**MESA PUBLISHED PAPERS ALPHABETICAL BY FIRST AUTHOR**

1. [Aaron CP, Chervona Y, Kawut SM, Diez Roux AV, Shen M, Bluemke DA, Van Hee VC, Kaufman JD, Barr RG. Particulate Matter Exposure and Cardiopulmonary Differences in the Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect*. 2016;124(8):1166-1173.](https://www.ncbi.nlm.nih.gov/pubmed/26859533)

1. [Aaron CP, Hoffman EA, Kawut SM, Austin JHM, Budoff M, Michos ED, Hinckley Stukovsky K, Sack C, Szpiro AA, Watson KD, Kaufman JD, Barr RG. Ambient air pollution and pulmonary vascular volume on computed tomography: the MESA Air Pollution and Lung cohort studies. *Eur Respir J*. 2019;53(6). pii: 1802116.doi: 10.1183/13993003.02116-2018. Print 2019 Jun.](https://www.ncbi.nlm.nih.gov/pubmed/31167881)
2. [Aaron CP, Hoffman EA, Lima JAC, Kawut SM, Bertoni AG, Vogel-Claussen J, Habibi M, Hueper K, Jacobs DR Jr, Kalhan R, Michos ED, Post WS, Prince MR, Smith BM, Ambale-Venkatesh B, Liu CY, Zemrak F, Watson KE, Budoff M, Bluemke DA, Barr RG. Pulmonary vascular volume, impaired left ventricular filling and dyspnea: The MESA Lung Study. *PLoS One*. 2017;12(4):e0176180. doi: 10.1371/journal.pone.0176180. eCollection 2017.](https://www.ncbi.nlm.nih.gov/pubmed/28426728)
3. [Aaron CP, Schwartz JE, Bielinski SJ, Hoffman EA, Austin JH, Oelsner EC, Donohue KM, Kalhan R, Berardi C, Kaufman JD, Jacobs DR Jr, Tracy RP, Barr RG. Intercellular adhesion molecule 1 and progression of percent emphysema: The MESA Lung Study. *Respir Med*. 2015;109(2):255-264.](http://www.ncbi.nlm.nih.gov/pubmed/25457724)
4. [Aaron CP, Schwartz JE, Hoffman EA, Angelini E, Austin JHM, Cushman M, Jacobs DR Jr, Kaufman JD, Laine A, Smith LJ, Yang J, Watson KE, Tracy RP, Barr RG. A Longitudinal Cohort Study of Aspirin Use and Progression of Emphysema-like Lung Characteristics on CT Imaging: The MESA Lung Study. *Chest*. 2018;154(1):41-50.](https://www.ncbi.nlm.nih.gov/pubmed/29246770)
5. [Aaron CP, Tandri H, Barr RG, Johnson WC, Bagiella E, Chahal H, Jain A, Kizer JR, Bertoni AG, Lima JA, Bluemke DA, Kawut SM. Physical Activity and Right Ventricular Structure and Function: The MESA-Right Ventricle Study. *Am J Respir Crit Care Med*. 2011;183(3):396-404.](http://www.ncbi.nlm.nih.gov/pubmed?term=Aaron%20CP)
6. [Abbasi SA, Hundley WG, Bluemke DA, Jerosch-Herold M, Blankstein R, Petersen SE, Rider OJ, Lima JA, Allison MA, Murthy VL, Shah RV. Visceral adiposity and left ventricular remodeling: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2015;25(7):667-676.](http://www.ncbi.nlm.nih.gov/pubmed/26033394)
7. [Abd alamir M, Goyfman M, Chause A, Dabbous F, Tamura L, Sandfort V, Brown A, Budoff MJ. The Correlation of Dyslipidemia with the Extent of Coronary Artery Disease in the Multi-Ethnic Study of Atherosclerosis. *J Lipids*. 2018;5607349. doi: 10.1155/2018/5607349. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/29785308)
8. [Abd Alamir M, Goyfman M, Johnson D, Liu Y, Dabbous F, Chaus A, Budoff M. The relationship between endothelial function and aortic valve calcification: Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2019;280:155-165.](https://www.ncbi.nlm.nih.gov/pubmed/30529828)
9. [Abdalla M, Akwo EA, Bluemke DA, Lima JAC, Shimbo D, Maurer MS, Bertoni AG. Association between reduced myocardial contraction fraction and cardiovascular disease outcomes: The Multi-Ethnic Study of Atherosclerosis. *Int J Cardiol*. 2019;293:10-16.](https://www.ncbi.nlm.nih.gov/pubmed/31327521)
10. [Abdulla AG, Buzkova P, Nakanishi R, Budoff MJ. Association of psychosocial traits with coronary artery calcium development and progression: The Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomogr*. 2021;15(1):56-64.](https://pubmed.ncbi.nlm.nih.gov/32280016/)
11. [Abiemo EE, Alonso A, Nettleton JA, Steffen LM, Bertoni AG, Jain A, Lutsey PL. Relations of the Mediterranean dietary pattern with insulin resistance and diabetes incidence in the Multi-Ethnic Study of Atherosclerosis (MESA). *Br J Nutr*. 2013;109(8):1490-1497.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abiemo+EE)

1. [Aboyans V, Criqui MH, McClelland RL, Allison MA, McDermott MM, Goff DC Jr, Manolio TA. Intrinsic contribution of gender and ethnicity to normal ankle-brachial index values: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Vasc Surg.* 2007;45(2):319-327.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17264011&query_hl=2&itool=pubmed_DocSum)
2. [Aboyans V, Kamineni A, Allison MA, McDermott MM, Crouse JR, Ni H, Szklo M, Criqui MH. The epidemiology of subclavian stenosis and its association markers of subclinical atherosclerosis: the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2010;211(1):266-270.](http://www.ncbi.nlm.nih.gov/pubmed/20138280)
3. [Aboyans V, McClelland RL, Allison MA, McDermott MM, Blumenthal RS, Macura K, Criqui MH. Lower extremity peripheral artery disease in the absence of traditional risk factors. The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2011;214(1):169-173.](http://www.ncbi.nlm.nih.gov/pubmed/21067754)
4. [Abraham AG, Shafi T, Tighiouart H, Moseley KF, Post WS, Inker LA, Coresh J, Shlipak MG, Levey AS. Effects of Body Size and Composition on Sex Differences in Measured GFR in a US Community-Based Older Cohort (MESA-Kidney). *Am J Kidney Dis*. 2018;72(5):767-770.](https://www.ncbi.nlm.nih.gov/pubmed/30041875)
5. [Abraham S, Shah NG, Roux AD, Hill-Briggs F, Seeman T, Szklo M, Schreiner PJ, Golden SH. Trait anger but not anxiety predicts incident type 2 diabetes: The Multi-Ethnic Study of Atherosclerosis (MESA). *Psychoneuroendocrinology*. 2015;60:105-113.](http://www.ncbi.nlm.nih.gov/pubmed/26142567)
6. [Adame IM, van der Geest RJ, Bluemke DA, Lima JA, Reiber JH, Lelieveldt BP. Automatic Vessel Wall Contour Detection and Quantification of Wall Thickness in In-Vivo MR Images of the Human Aorta. *J Magn Imaging.* 2006;24(3):595-602.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16878311&query_hl=7&itool=pubmed_docsum)
7. [Adams NB, Lutsey PL, Folsom AR, Herrington DH, Sibley CT, Zakai NA, Ades S, Burke GL, Cushman M. Statin therapy and levels of hemostatic factors in a healthy population: the Multi-Ethnic Study of Atherosclerosis. *J Thromb Haemost*. 2013;11(6):1078-1084.](http://www.ncbi.nlm.nih.gov/pubmed/23565981)

1. [Adar SD, Chen YH, D’Souza JC, O’Neill MS, Szpiro AA, Auchincloss AH, Park SK, Daviglus ML, Diez Roux AV, Kaufman JD. Longitudinal Analysis of Long-Term Air Pollution Levels and Blood Pressure: A Cautionary Tale from the Multi-Ethnic Study of Atherosclerosis.](https://www.ncbi.nlm.nih.gov/pubmed/30392401) *[Environ Health Perspect](https://www.ncbi.nlm.nih.gov/pubmed/30392401)*[. 2018;126(10):107003. doi: 10.1289/EHP2966.](https://www.ncbi.nlm.nih.gov/pubmed/30392401)
2. [Adar SD, D’Souza J, Mendelsohn-Victor K, Jacobs DR, Cushman M, Sheppard L, Thorne PS, Burke GL, Daviglus M, Szpiro AA, Roux AV, Kaufman JD, Larson TV. Markers of Inflammation and Coagulation after Long-Term Exposure to Coarse Particulate Matter: A Cross-Sectional Analysis from the Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect*. 2015;123(6):541-548.](http://www.ncbi.nlm.nih.gov/pubmed/25616153)
3. [Adar SD, Kaufman JD, Diez-Roux AV, Hoffman EA, D’Souza J, Stukovsky KH, Rich SS, Rotter JI, Guo X, Raffel LJ, Sampson PD, Oron AP, Raghunathan T, Barr RG. Air pollution and percent emphysema identified by computed tomography in the multi-ethnic study of atherosclerosis. *Environ Health Perspect*. 2015;123(2):144-151.](http://www.ncbi.nlm.nih.gov/pubmed/25302408)
4. [Adar SD, Klein R, Klein BE, Szpiro AA, Cotch MF, Wong TY, O’Neill MS, Shrager S, Barr RG, Siscovick D, Daviglus ML, Sampson PD, Kaufman JD. Air Pollution and the Microvasculature: A Cross-Sectional Assessment of In Vivo Retinal Images in the Population-Based Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS Med*. 2010;7(11):e1000372.](http://www.ncbi.nlm.nih.gov/pubmed/21152417)
5. [Adar SD, Sheppard L, Vedal S, Polak JF, Sampson PD, Diez Roux AV, Budoff M, Jacobs DR Jr, Barr RG, Watson K, Kaufman JD. Fine particulate air pollution and the progression of carotid intima-medial thickness: a prospective cohort study from the multi-ethnic study of atherosclerosis and air pollution. *PLoS Med*. 2013;10(4):e1001430. doi: 10.1371/journal pmed. 1001430.](http://www.ncbi.nlm.nih.gov/pubmed/23637576)
6. [Adeney KL, Siscovick DS, Ix JH, Seliger SL, Shlipak MG, Jenny NS, Kestenbaum BR. Association of Serum Phosphate with Vascular and Valvular Calcification in Moderate CKD. *J Am Soc Nephrol*. 2009;20(2):381-387.](http://www.ncbi.nlm.nih.gov/pubmed/19073826?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
7. [Adhikari R, D’Souza J, Soliman EZ, Burke GL, Daviglus M, Jacobs DR Jr, Park SK, Sheppard L, Thorne PS, Kaufman JD, Larson TV, Adar SD. Long-term Course Particulate Matter Exposure and Heart Rate Variability in the Multi-ethnic Study of Atherosclerosis. *Epidemiology*. 2016;27(3):405-413.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Long-term+Coarse+Particulate+Matter+Exposure+and+Heart+Rate+Variability+in+the+Multi-ethnic+Study+of+Atherosclerosis)
8. [Afshar M, Luk K, Do R, Dufresne L, Owens DS, Harris TB, Peloso GM, Kerr KF, Wong Q, Smith AV, Budoff MJ, Rotter JI, Cupples LA, Rich SS, Engert JC, Gudnason V, O’Donnell CJ, Post WS, Thanassoulis; CHARGE Extracoronary Calcium Working Group. Association of Triglyceride-Related Genetic Variants With Mitral Annular Calcification. *J Am Coll Cardiol*. 2017;69(24):2941-2948.](https://www.ncbi.nlm.nih.gov/pubmed/28619195)
9. [Agarwal S, Jacobs DR Jr, Vaidya D, Sibley CT, Jorgensen NW, Rotter JI, Chen YD, Liu Y, Andrews JS, Kritchevsky S, Goodpaster B, Kanaya A, Newman AB, Simonsick EM, Herrington DM. Metabolic Syndrome Derived from Principal Component Analysis and Incident Cardiovascular Events: The Multi Ethnic Study of Atherosclerosis (MESA) and Health, Aging, and Body Composition (Health ABC). *Cardiol Res Pract*. 2012;2012:9194245. doi: 10.1155/2012/919425.](http://www.ncbi.nlm.nih.gov/pubmed/22536533)
10. [Agarwal S, Shlipak MG, Kramer H, Jain A, Herrington DM. The association of chronic kidney disease and metabolic syndrome with incident cardiovascular events: multiethnic study of atherosclerosis. *Cardiol Res Pract*. 2012:2012:806102.](http://www.ncbi.nlm.nih.gov/pubmed/21860804)
11. [Agarwal S. Thohan V, Shlipak MG, Lima J, Bluemke DA, Siscovick D, Gomes A, Herrington DM. Association between Cystatin C and MRI Measures of Left Ventricular Structure and Function: Multi-Ethnic Study of Atherosclerosis. *Int J. Nephrol*. 2011;2011;153868.](http://www.ncbi.nlm.nih.gov/pubmed/21977320)
12. [Ahmad FS, Chan C, Rosenman MB, Post WS, Fort DG, Greenland P, Liu KJ, Kho AN, Allen NB. Validity of Cardiovascular Data From Electronic Sources: The Multi-Ethnic Study of Atherosclerosis and HealthLNK. *Circulation*. 2017;136(13):1207-1216.](https://www.ncbi.nlm.nih.gov/pubmed/28687707)
13. [Ahmad K, Budoff MJ, Delaney JA, Mao S, Gao Y, Nasir K, Tracy R, Li D. Association of Aspirin and Other Nonsteroidal Anti-inflammatory Drugs With Vertebral Trabecular Bone: Data From Multiethnic Study of Atherosclerosis, a Population-Based Multicenter Cohort Study. *J Comput Assist Tomogr*. 2020;44(4):563-568.](https://pubmed.ncbi.nlm.nih.gov/32697527/)
14. [Ahmad MI, Chen LY, Singh S, Lugman-Arafath TK, Kamel H, Soliman EZ. Interrelations between albuminuria, electrocardiographic left atrial abnormality, and incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis (MESA) cohort. *Int J Cardiol*. 2023;383:102-109.](https://pubmed.ncbi.nlm.nih.gov/37100232/)
15. [Ahmad MI, Mujtaba M, Floyd JS, Chen LY, Soliman EZ. Electrocardiographic markers of atrial cardiomyopathy and risk of heart failure in the multi-ethnic study of atherosclerosis (MESA) cohort. *Front Cardiovasc Med*. 2023;10.1143338. doi: 10.3389/fcvm.2023.1143338. eCollection 2023.](https://pubmed.ncbi.nlm.nih.gov/37180781/)
16. [Ahmed FS, Jiang XC, Schwartz JE, Hoffman EA, Yeboah J. Shea S, Burkart KM, Barr RG. Plasma, sphingomyelin and longitudinal change in percent emphysema on CT. The MESA lung study. *Biomarkers*. 2014;19(3):207-213.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Plasma+sphingomyelin+and+longitudinal+change+in+percent+emphysema%5ball%5d)
17. [Ahmed HM, Blaha MJ, Nasir K, Jones SR, Rivera JJ, Agatston A, Blankstein R, Wong ND, Lakoski S, Budoff MJ, Burke GL, Sibley CT, Ouyang P, Blumenthal RS. Low-Risk Lifestyle, Coronary Calcium, Cardiovascular Events, and Mortality: Results From MESA. *Am J Epidemiol*. 2013;178(1):12-21.](http://www.ncbi.nlm.nih.gov/pubmed/23733562)
18. [Ahmed HM, Miller M, Nasir K, McEvoy JW, Herrington D, Blumenthal RS, Blaha MJ. Primary Low Level of High-Density Lipoprotein Cholesterol and Risks of Coronary Heart Disease, Cardiovascular Disease, and Death: Results from the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2016;183(10):875-883.](http://www.ncbi.nlm.nih.gov/pubmed/27189327)
19. [Ahmed HS, Wang N, Carr JJ, Ding J, Terry JG, VanWagner LB, Hou L, Huo Y, Palmisano J, Zheng Y, Benjamin EJ, Long MT. The association between hepatic steatosis and incident cardiovascular disease, cancer, and all-cause mortality in a UW multicohort study. *Hepatology*. 2023;77(6):2063-2072.](https://pubmed.ncbi.nlm.nih.gov/36651168/)
20. [Aiello AE, Diez-Roux A, Noone AM, Ranjit N, Cushman M, Tsai MY, Szklo M. Socioeconomic and psychosocial gradients in cardiovascular pathogen burden and immune response: the multi-ethnic study of atherosclerosis. *Brain Behav Immun*. 2009;23(5):663-671.](http://www.ncbi.nlm.nih.gov/pubmed/19150399?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
21. [Aiello AE, Jayabalasingham B, Simanek AM, Diez-Roux A, Feinstein L, Meier HCS, Needham BL, Dowd JB. The impact of pathogen burden on leokocyte telomere length in the Multi-Ethnic Study of Atherosclerosis. *Epidemiol Infect*. 2017;145(14):3076-3084.](https://www.ncbi.nlm.nih.gov/pubmed/28879822)
22. [Akbar A, Liu K, Michos ED, Bancks MP, Brubaker L, Markossian T, Durazo-Arvizu R, Kramer H. Association of Overactive Bladder With Hypertension and Blood Pressure Control: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Hypertens*. 2022;35(1):22-30.](https://pubmed.ncbi.nlm.nih.gov/33899909/)
23. [Akbar A, Liu K, Michos ED, Brubaker L, Markossian T, Bancks MP, Kramer H. Racial differences in urinary incontinence prevalence and associated bother: the Multi-Ethnic Study of Atherosclerosis. *Am J Obstet Gynecol*. 2021;224(1):80el-80.e9. doi: 10.1016/j.ajog.2020.07.031.](https://pubmed.ncbi.nlm.nih.gov/32697955/)
24. [Akbar A, Liu K, Michos ED, Brubaker L, Markossian T, Bancks MP, Kramer H. Racial Differences in Urinary Incontinence Prevalence, Overactive Bladder and Associated Bother among Men: The Multi-Ethnic Study of Atherosclerosis. *J Urol*. 2021;205(2):524-531.](https://pubmed.ncbi.nlm.nih.gov/32909876/)
25. [Akhabue E, Vu TT, Vaidya A. Michos ED, de Boer IH, Kestenbaum B, Allison M, Szklo M, Ouyang P, Yancy CW, Wolf M, Isakova T, Carnethon MR. Fibroblast Growth Factor-23, Heart Failure Risk, and Renin-Angiotensin-Aldosterone-System Blockade in Hypertension: The MESA Study. *Am J Hypertens*. 2019;32(1):18-25.](https://www.ncbi.nlm.nih.gov/pubmed/30256890)
26. [Aladin AI, Al Rifai M, Rasool SH, Dardari Z, Yeboah J, Nasir K, Budoff MJ, Psaty BM, Blumenthal RS, Blaha MJ, McEvoy JW. Relation of Coronary Artery Calcium and Extra-Coronary Aortic Calcium to Incident Hypertension (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2018;121(2):210-216.](https://www.ncbi.nlm.nih.gov/pubmed/29174140)
27. [Aladin AI, Soliman EZ, Kitzman DW, Dardari Z, Rasool SH, Yeboah J, Budoff MJ, Psaty BM, Ouyang P, Polak JF, Blumenthal RS, McEvoy JW, Gandhi SK, Herrington DM. Comparison of the Relation of Carotid Intima-Media Thickness With Incident Heart Failure With Reduced Versus Preserved Ejection Fraction (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2021;148:102-109.](https://pubmed.ncbi.nlm.nih.gov/33667446/)
28. [Albini A, Fujikura K, Barr RG, Parikh M, Kern J, Hoffman E, Hiura GT, Bluemke DA, Carr J, Lima JAC, Michos ED, Gomes AS, Prince MR. Aortic enlargement in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD study. *Int J Cardiol*. 2021;331:214-220.](https://pubmed.ncbi.nlm.nih.gov/33587941/)
29. [Albrecht SS, Diez Roux AV, Kandula NR, Osypuk TL, Ni H, Shrager S. Immigration assimilation and BMI and waist size: a longitudinal examination among hispanic and chinese participants in the multi-ethnic study of atherosclerosis. *Obesity (Silver Spring)*. 2013;21(8):1695-1703.](http://www.ncbi.nlm.nih.gov/pubmed/23716458)
30. [Albrecht SS, Osypuk TL, Kandula NR, Gallo LC, Le-Scherban F, Shrager S, Diez Roux AV. Change in waist circumference with longer time in the United States among Hispanic and Chinese immigrants: the modifying role of the neighborhood built environment. *Ann Epidemiol*. 2015;25(10):767-772.e2.](http://www.ncbi.nlm.nih.gov/pubmed/26296266)
31. [Alcantara C, Biggs ML, Davidson KW, Delaney JA, Jackson CL, Zee PC, Shea SJ, Redline S. Sleep Disturbances and Depression in the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2016;39(4):915-925.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sleep+Disturbances+and+Depression+in+the+Multi-Ethnic+Study+of+Atherosclerosis)
32. [Alfaddagh A, Kapoor K, Dardari ZA, Bhatt DL, Budoff MJ, Nasir K, Miller M, Welty FK, Miedema MD, Shapiro MD, Tsai MY, Blumenthal RS, Blaha MJ. Omega-3 fatty acids, subclinical atherosclerosis, and cardiovascular events: Implications for primary prevention. *Atherosclerosis*. 2022;353:11-19.](https://pubmed.ncbi.nlm.nih.gov/35759823/)
33. [Allen NB, Diez-Roux A, Liu K, Bertoni AG, Szklo M, Daviglus M. Association of Health Professional Shortage Areas and Cardiovascular Risk Factor Prevalence, Awareness, and Control in the Multi-Ethnic Study of Atherosclerosis (MESA). *Circ Cardiovasc Qual Outcomes*. 2011 ;4(5):565-572.](http://www.ncbi.nlm.nih.gov/pubmed/21878669)
34. [Allen NB, Lloyd-Jones D, Hwang SJ, Rasmussen-Torvik L, Fornage M, Morrison AC, Baldridge AS, Boerwinkle E, Levy D, Cupples LA, Fox CS, Thanassoulis G, Dufresne L, Daviglus M, Johnson AD, Reis J, Rotter J, Palmas W, Allison M, Pankow JS, O’Donnell CJ. Genetic loci associated with ideal cardiovascular health: A meta-analysis of genome-wide association studies. *Am Heart J*. 2016;175:112-120.](https://www.ncbi.nlm.nih.gov/pubmed/27179730)
35. [Allen NB, Zhao L, Loria CM, Van Horn L, Wang CY, Pfeiffer CM, Cogswell MD, Wright J, Liu K. The Validity of Predictive Equations to Estimate 24-Hour Sodium Excretion: The MESA and CARDIA Urinary Sodium Study. *Am J Epidemiol*. 2017;186(2):149-159.](https://www.ncbi.nlm.nih.gov/pubmed/28838062)
36. [Allen RW, Adar SD, Avol E, Cohen M, Curl CL, Larson T, Liu LJ, Sheppard L, Kaufman JD. Modeling the Residential Infiltration of Outdoor PM2.5 in the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *Environ Health Perspect*. 2012;120(6):824-830.](http://www.ncbi.nlm.nih.gov/pubmed/22534026)

1. [Allen RW, Criqui MH, Diez Roux AV, Allison M, Shea S, Detrano R, Sheppard L, Wong ND, Stukovsky KH, Kaufman JD. Fine particulate matter air pollution, proximity to traffic, and aortic atherosclerosis.](http://www.ncbi.nlm.nih.gov/pubmed/19129730?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum) *[Epidemiology](http://www.ncbi.nlm.nih.gov/pubmed/19129730?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)*[. 2009;20(2):254-264.](http://www.ncbi.nlm.nih.gov/pubmed/19129730?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
2. [Allen RW, Davies H, Cohen MA, Mallach G, Kaufman JD, Adar SD. The spatial relationship between traffic-generated air pollution and noise in 2 US cities. *Environ Res*. 2009;109(3):334-342.](http://www.ncbi.nlm.nih.gov/pubmed/19193368?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
3. [Allison MA, Aboyans V, Granston T, McDermott MM, Kamineni A, Ni H, Criqui MH. The Relevance of Different Methods of Calculating the Ankle-Brachial Index: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010;171(3):368-376.](http://www.ncbi.nlm.nih.gov/pubmed/20042436?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=3)
4. [Allison MA, Bluemke DA, McClelland R, Cushman M, Criqui MH, Polak JF, Lima JA. Relation of Leptin to Left Ventricular Hypertrophy (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2013;112(5):726-730.](http://www.ncbi.nlm.nih.gov/pubmed/23711806)
5. [Allison MA, Budoff MJ, Nasir K, Wong ND, Detrano R, Kronmal R, Takasu J, Criqui MH. Ethnic-Specific Risks for Atherosclerotic Calcification of the Thoracic and Abdominal Aorta (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2009;104(6):812-817.](http://www.ncbi.nlm.nih.gov/pubmed/19733716?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
6. [Allison MA, Budoff MJ, Wong ND, Blumenthal RS, Schreiner PJ, Criqui MH. Prevalence of and Risk Factors for Subclinical Cardiovascular Disease in Selected US Hispanic Ethnic Groups: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2008;167(8):962-969.](http://www.ncbi.nlm.nih.gov/pubmed/18283034?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
7. [Allison MA, Criqui MH, Maisel AS, Daniels LB, Roberts CK, Polak JF, Cushman M. Adiponectin is independently associated with NT-proBNP: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2015;25(8):780-786.](http://www.ncbi.nlm.nih.gov/pubmed/26026204)
8. [Allison MA, Criqui MH, McClelland RL, Scott JM, McDermott MM, Liu K, Folsom AR, Bertoni AG, Sharrett AR, Homma S, Kori S. The Effect of Novel Cardiovascular Risk Factors on the Ethnic-Specific Odds for Peripheral Arterial Disease in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Coll Cardiol*. 2006;48(6):1190-1197.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16979004&query_hl=1&itool=pubmed_docsum)
9. [Allison MA, Cushman M, Solomon C, Aboyans V, McDermott MM, Goff DC Jr, Criqui MH. Ethnicity and risk factors for change in the ankle-brachial index: The Multi-Ethnic Study of Atherosclerosis. *J Vasc Surg*. 2009;50(5):1049-1056.](http://www.ncbi.nlm.nih.gov/pubmed/19628357?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=6)
10. [Allison MA, Ix JH, Morgan C, McClelland RL, Rifkin D, Shimbo D, Criqui MH. Higher leptin is associated with hypertension: the Multi-Ethnic Study of Atherosclerosis. *J Hum Hypertens*. 2013;27(10):617-622.](http://www.ncbi.nlm.nih.gov/pubmed/23535989)
11. [Allison MA, Jenny NS, McClelland RL, Cushman M, Rifkin D. The associations of adipokines with selected markers of the renin-angiotensinogen-aldosterone system: the multi-ethnic study of atherosclerosis. *J Hum Hypertens*. 2015;29(2):127-133.](http://www.ncbi.nlm.nih.gov/pubmed/24919752)
12. [Allison MA, Jensky NE, Marshall SJ, Bertoni AG, Cushman M. Sedentary behavior and adiposity-associated inflammation the multi-ethnic study of atherosclerosis. *Am J Prev Med*. 2012;42(1):8-13.](http://www.ncbi.nlm.nih.gov/pubmed/22176840)
13. [Allison MA, Peralta CA, Wassel CL, Aboyans V, Arnett DK, Cushman M, Eng J, Ix J, Rich SS, Criqui MH. Genetic ancestry and lower extremity peripheral artery disease in the Multi-Ethnic Study of Atherosclerosis. *Vasc Med*. 2010;15(5):351-359.](http://www.ncbi.nlm.nih.gov/pubmed/20926494)
14. [Allison PJ, Jorgensen NW, Fededulegn D, Landsbergis P, Andrew ME, Foy C, Hinckley Stukovsky K, Charles LE. Current work hours and coronary artery calcification (CAC): The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Ind Med*. 2020;63(4):348-358.](https://www.ncbi.nlm.nih.gov/pubmed/31845385)
15. [Alluri K, McEvoy JW, Dardari ZA, Jones SR, Nasir K, Blankstein R, Rivera JJ, Agatston AA, Kaufman JD, Budoff MJ, Blumenthal RS, Blaha MJ. Distribution and burden of newly detected artery calcium: Results from the Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomogr*. 2015;9(4):337-344.](https://www.ncbi.nlm.nih.gov/pubmed/26088381)
16. [Almahmoud MF, Soliman EZ, Bertoni AG, Kestenbaum B, Katz R, Lima JAC, Ouyang P, Miller E, Michos ED, Herrington DM. Fibroblast Growth Factor-23 and Heart Failure With Reduced Versus Preserved Ejection Fraction: MESA. *J Am Heart Assoc*. 2018;7(18):e008334. doi: 10.1161/JAHA.117.008334.](https://www.ncbi.nlm.nih.gov/pubmed/30371180)
17. [Al-Mallah MH, Nasir K, Katz R, Lima JA, Bluemke DA, Blumenthal RS, Mao S, Hundley WG, Budoff MJ. Relation of Thoracic Aortic Distensibility to Left Ventricular Area (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2014;113(1):178-182.](http://www.ncbi.nlm.nih.gov/pubmed/24210674)
18. [Al-Mallah MH, Nasir K, Katz R, Takasu J, Lima JA, Bluemke DA, Hundley G, Blumenthal RS, Budoff MJ. Thoracic Aortic Distensibility and Thoracic Aortic Calcium (the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2010;106(4):575-580.](http://www.ncbi.nlm.nih.gov/pubmed/20691319)
19. [Almeida AL, Teixido-Tura G, Choi EY, Opdahl A, Fernandes VR, Wu CO, Bluemke DA, Lima JA. Metabolic syndrome, strain, and reduced myocardial function: multi-ethnic study of atherosclerosis. *Arq Bras Cardiol*. 2014;102(4):327-335.](http://www.ncbi.nlm.nih.gov/pubmed/24844874)
20. [Almeida SO, Honoris L, Defranco A, Port S, Li D, Nasir K, Kronmal R, Barr RG, Budoff M. Reliability of CAC Scoring on Nongated Compared With Gated Cardiac CT Scans From MESA. *JACC Cardiovasc Imaging*. 2020(1 Pt 1):177-178.](https://www.ncbi.nlm.nih.gov/pubmed/31542523)
21. [Al-Naamani N, Chirinos JA, Zamani P, Ruthazer R, Paulus JK, Roberts KE, Barr RG, Lima JA, Bluemke DA, Kronmal R, Kawut SM. Association of Systemic Arterial Properties With Right Ventricular Morphology: The Multi-Ethnic Study of Atherosclerosis (MESA)-Right Ventricle Study. *J Am Heart Assoc*. 2016;5(12). pii: e004162.](https://www.ncbi.nlm.nih.gov/pubmed/27881423)
22. [Alonso A, Nettleton JA, Ix JH, de Boer IH, Folsom AR, Bidulescu A, Kestenbaum BR, Chambless LE, Jacobs DR Jr. Dietary Phosphorus, Blood Pressure and Incidence of Hypertension in the Atherosclerosis Risk in Communities Study and the Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2010;55(3):776-784.](http://www.ncbi.nlm.nih.gov/pubmed/20083730?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
23. [Alonso A, Roetker NS, Soliman EZ, Chen LY, Greenland P, Heckbert SR. Prediction of Atrial Fibrillation in a Racially Diverse Cohort: The Multi-Ethnic Study of Atherosclerosis (MESA).  *Am Heart Assoc*. 2016;5(2). pii: e003077. doi: 10.1161/JAHA.115.003077.](http://www.ncbi.nlm.nih.gov/pubmed/26908413)
24. [Alonso A, Soliman EZ, Chen LY, Bluemke DA, Heckbert SR. Association of blood pressure and aortic distensibility with P wave indices and PR interval: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Electrocardiol*. 2013;46(4):359.e1 – 359.e6.](http://www.ncbi.nlm.nih.gov/pubmed/23484862)
25. [Alonso A, Yin X, Roetker NS, Magnani JW, Kronmal RA, Ellinor PT, Chen LY, Lubitz SA, McClelland RL, McManus DD, Soliman EZ, Huxley RR, Nazarian S, Szklo M, Heckbert SR, Benjamin EJ. Blood lipids and the incidence of atrial fibrillation: the multi-ethnic study of atherosclerosis and the framingham heart study. *J Am Heart Assoc*. 2014;3(5). pii: e001211. doi: 10.1161/JAHA.114.001211.](http://www.ncbi.nlm.nih.gov/pubmed/25292185)
26. [Al Rifai M, Al-Mallah MH, Blaha MJ, Patel J, McEvoy JW, Nasir K, Shahid I, Patel KV, Sharma G, Marrugat J, Tizon-Marcos H, Erbel R, Stang A, Jockel KH, Lehmann N, Schramm S, Schmidt B, Blumenthal RS, Virani SS, Nambi V, Cainzos-Achirica M. Epidemiology and Prognostic Implications of Coronary Artery Calcium in Asymptomatic Individuals With Prediabetes: A Multicohort Study. *Diabetes Care*. 2024 Feb 8. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38329795/)

1. [Al Rifai M, Blaha MJ, Nambi V, Shea SJC, Michos ED, Blumenthal RS, Ballantyne CM, Szklo M, Greenland P, Miedema MD, Nasir K, Rotter JI, Guo X, Yao J, Post WS, Virani SS. Determinants of Incident Atherosclerotic Cardiovascular Disease Events Among Those With Absent Coronary Artery Calcium: Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2022;145(4):259-267.](https://pubmed.ncbi.nlm.nih.gov/34879218/)
2. [Al Rifai M, Blaha MJ, Patel J, Xiaoming J, Cainzos-Achirica M, Greenland P, Budoff M, Yeboah J, Nasir K, Al-Mallah MH, Virani SS. Coronary Artery Calcification, Statin Use and Long-Term Risk of Atheroscerotic Cardiovascular Disease Events (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2020;125(6):835-839.](https://www.ncbi.nlm.nih.gov/pubmed/31980142)
3. [Al Rifai M, Cainzos-Achirca M, Kanaya AM, Kandula NR, Dardardi Z, Joshi PH, Patel J, Budoff M, Yeboah J, Guallar E, Blumenthal RS, Blaha MJ. Discordance between 10-year cardiovascular risk estimates using the ACC/AHA 2013 estimator and coronary artery calcium in individuals from 5 racial/ethnic groups: Comparing MASALA and MESA. *Atherosclerosis*. 2018;279:122-129.](https://www.ncbi.nlm.nih.gov/pubmed/30262414)
4. [Al Rifai M, DeFillippis AP, McEvoy JW, Hall ME, Acien AN, Jones MR, Keith R, Magid HS, Rodriguez CJ, Barr GR, Benjamin EJ, Robertson RM, Bhatnagar A, Blaha MJ. The relationship between smoking intensity and subclinical cardiovascular injury: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2017;258:119-130.](https://www.ncbi.nlm.nih.gov/pubmed/28237909)
5. [Al Rifai M, Greenland P, Blaha MJ, Michos ED, Nasir K, Miedema MD, Yeboah J, Sandfort V, Frazier-Wood AC, Shea S, Lima JA, Szklo M, Post WS, Blumenthal RS, McEvoy JW. Factors of health in the protection against death and cardiovascular disease among adults with subclinical atherosclerosis. *Am Heart J*. 2018;198:180-188.](https://www.ncbi.nlm.nih.gov/pubmed/29653643)
6. [Al Rifai M, Kanaya AM, Kandula NR, Cainzos-Achirica M, Patel J, Budoff M, Criqui MH, Blaha MJ, Virani SS. Distribution of calcium volume, density, number, and type of coronary vessel with calcified plaque in South Asians in the US and other race/ethnic groups: The MASALA and MESA studies. *Atherosclerosis*. 2021;317:16-21.](https://pubmed.ncbi.nlm.nih.gov/33333344/)
7. [Al Rifai M, Martin SS, McEvoy JW, Nasir K, Blankstein R, Yeboah J, Miedema M, Shea SJ, Polak JF, Ouyang P, Blumenthal RS, Bittencourt M, Bensenor I, Santos RD, Duncan BB, Santos IS, Lotufo PA, Blaha MJ. The prevalence and correlates of subclinical atherosclerosis among adults with low-density lipoprotein cholesterol <70 mg/dL: The Multi-Ethnic Study of Atherosclerosis (MESA) and Brazilian Longitudinal Study of Adult Health (ELSA-Brasil). *Atherosclerosis*. 2018;274:61-66.](https://www.ncbi.nlm.nih.gov/pubmed/29751286)
8. [Al Rifai M, Silverman MG, Nasir K, Budoff MJ, Blankstein R, Szklo M, Katz R, Blumenthal RS, Blaha MJ. The association of nonalcoholic fatty liver disease, obesity, and metabolic syndrome, with systemic inflammation and subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2015;239(2):629-633.](http://www.ncbi.nlm.nih.gov/pubmed/25683387)
9. [Al Rifai M, Szklo M, Patel J, Blaha MJ, Ballantyne CM, Bittner V, Morris P, McEvoy JW, Shapiro MD, Al-Mallah MH, Greenland P, Virani SS. Statin Use and Risk of Diabetes by Subclinical Atherosclerosis Burden (from a Multi-Ethnic Study of Atherosclerosis Report). *Am J Cardiol*. 2022;184:7-13.](https://pubmed.ncbi.nlm.nih.gov/36192199/)
10. [Al Rifai M, Yao J, Guo X, Post WS, Malik S, Blumenthal RS, Ballantyne CM, Budoff M, Taylor KD, Lin HJ, Rich SS, Hajek C, Greenland P, Rotter JI, Virani SS. Association of polygenic risk scores with incident atherosclerotic cardiovascular disease events among individuals with coronary artery calcium score of zero: The multi-ethnic study of atherosclerosis. *Prog Cardiovasc Dis*. 2022;74:19-27.](https://pubmed.ncbi.nlm.nih.gov/35952728/)
11. [Ambale-Venkatesh B, Armstrong AC, Liu CY, Donekal S, Yoneyama K, Wu CO, Gomes AS, Hundley GW, Bluemke DA, Lima JA. Diastolic function assessed from tagged MRI predicts heart failure and atrial fibrillation over an 8-year follow-up period: the multi-ethnic study of atherosclerosis. *Eur Heart J Cardiovasc Imaging*. 2014;15(4):442-449.](http://www.ncbi.nlm.nih.gov/pubmed/24145457)
12. [Ambale-Venkatesh B, Donekal S, Yoneyama K, Wu C, Fernandes VR, Rosen BD, Shehata ML, McClelland R, Bluemke DA, Lima JA. Regional myocardial functional patterns: Quantitative tagged magnetic resonance imaging in an adult population free of cardiovascular risk factors: The multi-ethnic study of atherosclerosis (MESA). *J Magn Reson Imaging*. 2015;42(1):153-159.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Regional+myocardial+functional+patterns%3A+Quantitative+tagged+magnetic+resonance+imaging+in+an+adult+population+free)
13. [Ambale-Venkatesh B, Hong SY, Habibi M, Lim D, Wu E, Jorgensen N, Hundley WG, Shea S, Liu K, Gomes AS, Heckbert SR, Post WS, Bluemke D, Lima JAC. Left Atrial Remodeling Assessed by Serial Longitudinal Cardiac MRI in MESA. *JACC Cardiovasc Imaging*. 2021;14(8):1678-1680.](https://pubmed.ncbi.nlm.nih.gov/33865763/)
14. [Ambale-Venkatesh B, Liu CY, Liu YC, Donekal S, Ohyama Y, Sharma RK, Wu CO, Post WS, Hundley GW, Bluemke DA, Lima JAC. Association of myocardial fibrosis and cardiovascular events: the multi-ethnic study of atherosclerosis. *Eur Heart J Cardiovasc Imaging*. 2019;20(2):168-176.](https://www.ncbi.nlm.nih.gov/pubmed/30325426)
15. [Ambale Venkatesh B, Volpe GJ, Donekal S, Mewton N, Liu CY, Shea S, Liu K, Burke G, Wu C, Bluemke DA, Lima JA. Association of longitudinal changes in left ventricular structure and function with myocardial fibrosis: the multi-ethnic study of atherosclerosis study. *Hypertension*. 2014;64(3):508-515.](http://www.ncbi.nlm.nih.gov/pubmed/24914198)
16. [Ambale-Venkatesh B, Yoneyama K, Sharma RK, Ohyama Y, Wu CO, Burke GL, Shea S, Gomes AS, Young AA, Bluemke DA, Lima JA. Left ventricular shape predicts different types of cardiovascular events in the general population. *Heart*. 2017;103(7):499-507.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Left+ventricular+shape+predicts+different+types+of+cardiovascular+events+in+the+general+population.)
17. [Ambale-Venkatesh B, Yang X, Wu CO, Liu K, Hundley WG, McClelland R, Gomes AS, Folsom AR, Shea S, Guallar E, Bluemke DA, Lima JAC. Cardiovascular Event Prediction by Machine Learning: The Multi-Ethnic Study of Atherosclerosis. *Circ Res*. 2017;121(9):1092-1101.](https://www.ncbi.nlm.nih.gov/pubmed/28794054)
18. [Amoakwa K, Fashanu OE, Tibuakuu M, Zhao D, Gualler E, Whelton SP, O’Neal WT, Post WS, Budoff MJ, Michos ED. Resting heart rate and the incidence and progression of valvular calcium: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2018;273:45-52.](https://www.ncbi.nlm.nih.gov/pubmed/29677630)
19. [Anderson JJ, Kruszka B, Delaney JA, He K, Burke GL, Alonso A, Bild DE, Budoff M, Michos ED. Calcium Intake From Diet and Supplements and the Risk of Coronary Artery Calcification and its Progression Among Older Adults: 10-Year Follow-up of the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Heart Assoc*. 2016;5(10). pii: e003815.](https://www.ncbi.nlm.nih.gov/pubmed/27729333)
20. [Anderson JS, Nettleton JA, Hundley WG, Tsai MY, Steffen LM, Lemaitre RN, Siscovick D, Lima J, Prince MR, Herrington D. Associations of plasma phospholipid omega-6 and omega-3 polyunsaturated Fatty Acid levels and MRI measures of cardiovascular structure and function: the multiethnic study of atherosclerosis. *J Nutri Metab*. 2011;2011:315134. doi: 10.1155/2011/315134.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Associations+of+plasma+phospholipid+omega-6+and+omega-3+polyunsaturated+Fatty+Acid+levels+and+MRI+measures+of)
21. [Anderson JS, Nettleton JA, Herrington DM, Johnson WC, Tsai MY, Siscovick D. Relation of omega-3 fatty acid and dietary fish intake with brachial artery flow-mediated vasodilation in the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2010;92(5):1204-1213.](http://www.ncbi.nlm.nih.gov/pubmed/20826628)
22. [Anderson MR, Kim JS, Allison M, Giles JT, Hoffman EA, Ding J, Barr RG, Podolanczuk A. Adiposity and Interstitial Lung Abnormalities in Community-Dwelling Adults: The MESA Cohort Study. *Chest*. 2021;160(2):582-594.](https://pubmed.ncbi.nlm.nih.gov/33844978/)
23. [Anderson MR, Kim JS, Podolanczuk A, Ding J, Al-Naamani N, Allison M, Christie J, Diamond J. Nonlinear associations between computed tomography-measures of adiposity and long pentraxin-3 in the Multi-Ethnic Study of Atherosclerosis. *Obes Sci Pract*. 2024;10(1):e708. doi: 10.1002/osp4.708. eCollection 2024.](https://pubmed.ncbi.nlm.nih.gov/38263991/)
24. [Anderson MD, Stein Merkin S, Everson-Rose SA, Widome R, Seeman T, Magnani JW, Rodriguez CJ, Lutsey PL. Health Literacy Within a Diverse Community-Based Cohort: The Multi-Ethnic Study of Atherosclerosis. *J Immigr Minor Health*. 2021;23(4):659-667.](https://pubmed.ncbi.nlm.nih.gov/33206278/)
25. [Anuradha S, Healy GN, Dunstan DW, Klein R, Klein BE, Cotch MF, Wong TY, Owen N. Physical Activity, Television Viewing Time, and Retinal Microvascular Caliber: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2011;173(5):518-525.](http://www.ncbi.nlm.nih.gov/pubmed/21300854)
26. [Anuwatmatee S, Allison MA, Shlipak MG, McClelland RL, Kramer H, Tang S, Hou L, Rye KA, Ong KL. Relationship of fibroblast growth factor 21 with kidney function and albuminuria: multi-ethnic study of atherosclerosis. *Nephrol Dial Transplant*. 2019;34(6):1009-1016.](https://www.ncbi.nlm.nih.gov/pubmed/29771383)
27. [Arguelles W, Llabre MM, Penedo FJ, Daviglus ML, Sacco RL, Liu K, Szklo M, Polak JF, Eng J, Burke GL, Schneiderman N. Relationship of change in traditional cardiometabolic risk factors to change in coronary artery calcification among individuals with detectable subclinical atherosclerosis: The multi-ethnic study of atherosclerosis. *Int J Cardiol*. 2014;174(1):51-56.](http://www.ncbi.nlm.nih.gov/pubmed/24698232)
28. [Arking D, Ashar FN, Zhang Y, Longchamps RJ, Lane J, Moes A, Grove ML, Mychaleckyi JC, Taylor KD, Coresh J, Rotter JI, Boerwinkle E, Pankratz N, Guallar E. Association of Mitochondrial DNA Copy Number With Cardiovascular Disease. *JAMA Cardiol*. 2017;2(11):1247-1255.](https://www.ncbi.nlm.nih.gov/pubmed/29049454)
29. [Arking DE, Battle SL, Puiu D, TOPMed mtDNA Working Group; Verlouw J, Broer L, Boerwinkle E, Taylor KD, Rotter JI, Rich SS, Grove ML, Pankratz N, Fetterman JL, Liu C. A bioinformatics pipeline for estimating mitochondrial DNA copy number and heteroplasmy levels from whole genome sequencing data. *NAR Genom Bioinform*. 2022;4(2):Iqac034. doi: 10.1093/nargab/lqac034. eCollection 2022 Jun.](https://pubmed.ncbi.nlm.nih.gov/35591888/)

1. [Armstrong AC, Gjesdal O, Almeida A, Nacif M, Wu C, Bluemke DA, Brumback L, Lima JA. Left ventricular mass and hypertrophy by echocardiography and cardiac magnetic resonance: the multi-ethnic study of atherosclerosis. *Echocardiography*. 2014;31(1):12-20](http://www.ncbi.nlm.nih.gov/pubmed/23930739)
2. [Armstrong HF, Lederer D, Lovasi GS, Hiura G, Ventetuolo CE, Barr RG. Selective serotonin reuptake inhibitors and lung function in the multi-ethnic study of atherosclerosis lung study. *Respir Med*. 2022;196:106805. doi: 10.1016/j.rmed.2022.106805.](https://pubmed.ncbi.nlm.nih.gov/35306387/)
3. [Armstrong HF, Lovasi GS, Soliman EZ, Heckbert SR, Psaty BM, Austin JH, Krishnan JA, Hoffman EA, Johnson C, Budoff MJ, Watson KE, Barr RG. Lung function, percent emphysema, and QT duration: The Multi-Ethnic Study of Atherosclerosis (MESA) lung study. *Respir Med*. 2017;123:1-7.](https://www.ncbi.nlm.nih.gov/pubmed/28137484)

1. [Armstrong HF, Podolanczuk AJ, Barr RG, Oelsner EC, Kawut SM, Hoffman EA, Tracy R, Kaminski N, McClelland RL, Lederer DJ. Serum Matrix Metalloproteinase-7, Respiratory Symptoms, and Mortality in Community-Dwelling Adults. MESA (Multi-Ethnic Study of Atherosclerosis).](https://www.ncbi.nlm.nih.gov/pubmed/28570100) *[Am J Respir Crit Care Med](https://www.ncbi.nlm.nih.gov/pubmed/28570100)*[. 2017;196(10):1311-1317.](https://www.ncbi.nlm.nih.gov/pubmed/28570100)
2. [Arnett DK, McClelland RL, Bank A, Bluemke DA, Cushman M, Szalai AJ, Jain N, Gomes AS, Heckbert SR, Hundley WG, Lima JA. Biomarkers of inflammation and hemostatis associated with left ventricular mass: The Multiethnic Study of Atherosclerosis (MESA).](http://www.ncbi.nlm.nih.gov/pubmed/22200000) *[Int J Mol Epidemiol Genet](http://www.ncbi.nlm.nih.gov/pubmed/22200000)*[. 2011;2(4):391-400.](http://www.ncbi.nlm.nih.gov/pubmed/22200000)
3. [Arnlov J, Sang Y, Ballew SH, Vaidya D, Michos ED, Jacobs Jr DR, Lima J, Shlipak MG, Bertoni AG, Coresh J, Blaha M, Post WS, Matsushita K. Endothelial dysfunction and the risk of heart failure in a community-based study: the Multi-Ethnic Study of Atherosclerosis. *ESC Heart Fail*. 2020;7(6):4231-4240.](https://pubmed.ncbi.nlm.nih.gov/33084248/)
4. [Aroner SA, Furtado JD, Sacks FM, Tsai MY, Mukamal KJ, McClelland RL, Jensen MK. Apolipoprotein C-III and its defined lipoprotein subspecies in relation to incident diabetes: the Multi-Ethnic Study of Atherosclerosis. *Diabetologia*. 2019;62(6):981-992.](https://www.ncbi.nlm.nih.gov/pubmed/30949716)
5. [Aroner SA, Koch M, Mukamal KJ, Furtado JD, Stein JH, Tattersall MC, McClelland RL, Jensen MK. High-Density Lipoprotein Subspecies Defined by Apolipoprotein C-III and Subclinical Atherosclerosis Measures: MESA (The Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2018;7(6): pii: e007824. doi: 10.1161/JAHA.117.007824.](https://www.ncbi.nlm.nih.gov/pubmed/29540426)
6. [Aroner SA, Mukamal KJ, St-Jules DE, Budoff MJ, Katz R, Criqui MH, Allison MA, de Boer IH, Siscovick DS, Ix JH, Jensen MK. Fetuin-A and Risk of Diabetes Independent of Liver Fat Content: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2017;185(1):54-64.](https://www.ncbi.nlm.nih.gov/pubmed/27856445)
7. [Aroner SA, St-Jules DE, Mukamal KJ, Katz R, Shlipak MG, Criqui MH, Kestenbaum B, Siscovick DS, de Boer IH, Jenny NS, Budoff MJ, Ix JH, Jensen MK. Fetuin-A, glycemic status, and risk of cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2016;248:224-229.](http://www.ncbi.nlm.nih.gov/pubmed/27038419)
8. [Arps K, Rifai MA, Blaha MJ, Michos ED, Nasir K, Yeboah J, Budoff MJ, Blumenthal RS, Bittencourt MS, McEvoy JW. Usefulness of Coronary Artery Calcium to Identify Adults of Sufficiently High Risk for Atherothrombotic Cardiovascular Events to Consider Low-Dose Rivaroxaban Thromboprophylaxis (from MESA). *Am J Cardiol*. 2019;124(8):1198-1206.](https://www.ncbi.nlm.nih.gov/pubmed/31416591)
9. [Auchincloss AH, Diez Roux AV, Brown DG, Erdmann CA, Bertoni AG. Neighborhood Resources for Physical Activity and Healthy Foods and Their Association With Insulin Resistance. *Epidemiology*. 2008;19(1):146-157.](http://www.ncbi.nlm.nih.gov/pubmed/18091002?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
10. [Auchincloss AH, Diez Roux AV, Brown DG, O'meara ES, Raghunathan TE. Association of insulin resistance with distance to wealthy areas: the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2007;165(4):389-97.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17148499&query_hl=11&itool=pubmed_docsum)
11. [Auchincloss AH, Diez Roux AV, Mujahid MS, Shen M, Bertoni AG, Carnethon MR. Neighborhood Resources for Physical Activity and Healthy Foods and Incidence of Type 2 Diabetes Mellitus: The Multi-Ethnic Study of Atherosclerosis. *Arch Intern Med*. 2009;169(18):1698-1704.](http://www.ncbi.nlm.nih.gov/pubmed/19822827?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
12. [Auchincloss AH, Roux AV, Dvonch JT, Brown PL, Barr RG, Daviglus ML, Goff DC, Kaufman JD, O’Neill MS. Associations between Recent Exposure to Ambient Fine Particulate Matter and Blood Pressure in the Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2008;116(4):486-491.](http://www.ncbi.nlm.nih.gov/pubmed/18414631?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
13. [Auchincloss AH, Li J, Moore KA, Franco M, Mujahid MS, Moore LV. Are neighbourhood restaurants related to frequency of restaurant meals and dietary quality? Prevalence and changes over time in the Multi-Ethnic Study of Atherosclerosis. *Public Health Nutr*. 2021;24(14):4630-4641.](https://pubmed.ncbi.nlm.nih.gov/34030763/)
14. [Auchincloss AH, Mujahid MS, Shen M, Michos ED, Whitt-Glover MC, Diez Roux AV. Neighborhood health-promoting resources and obesity risk (the multi-ethnic study of atherosclerosis). *Obesity (Silver Spring)*. 2013;21(3):621-628.](http://www.ncbi.nlm.nih.gov/pubmed/23592671)
15. [Auer PL, Huang L, Rosen JD, Sun Q, Chen J, Wheeler MM, Zhou Y, Min YI, Kooperberg C, Conomos MP, Stilp AM, Rich SS, Rotter JI, Manichaikul A, Loos RJF, Kenny EE, Blackwell TW, Smith AV, Jun G. Sedlazeck FJ, Metcalf G, Boerwinkle E, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Raffield LM, Reiner AP, Li Y. TOP-LD: A tool to explore linkage disequilibrium with TOPMed whole-genome sequence data. *Am J Hum Genet*. 2022;109(6):1175-1181.](https://pubmed.ncbi.nlm.nih.gov/35504290/)
16. [Auer PL, Raffield LM, Iyengar AK, Wang B, Gaynor SM, Spracklen CN, Zhong X, Kowalski MH, Salimi S, Polfus LM, Benjamin EJ, Bis JC, Bowler R, Cade BE, Choi WJ, Cornellas AP, Correa A, Cruz P, Doddapaneni H, Durda P, Gogarten SM, Jain D, Kim RW, Kral BG, Lange LA, Larson MG, Laurie C, Lee J, Lee S, Lewis JP, Metcalf GA, Mitchell BD, Momin Z, Muzny DM, Pankratz N, Park CJ, Rich SS, Rotter JI, Ryan K, Seo D, Tracy RP, Viaud-Martinez KA, Yanek LR, Zhao LP, Lin X, Li B, Li Y, Dupuis J, Reiner AP, Mohlke KL; TOPMed Inflammation Working Group; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. Allelic Heterogeneity at the CRP Locus Identified by Whole-Genome Sequencing in Multi-ancestry Cohorts. *Am J Hum Genet*. 2020;106(1):112-120.](https://pubmed.ncbi.nlm.nih.gov/31883642/)
17. [Auer PL, Wheeler MM, Stilp AM, Rao S, Halldorsson BV, Beyter D. Wem J, Mihkaylova AV, McHugh CP, Lane J, Jiang MZ, Raffield LM, Jun G, Sedlazeck FJ, Metcalf G, Yao Y, Bis JB, Chami N, de Vries PS, Desai P, Floyd JS, Gao Y, Kammers K, Kim W, Moon JY, Ratan A, Yanek LR, Almasy L, Becker LC, Blangero J, Cho MH, Curran JE, Fonage M, Kaplan RC, Lewis JP, Loos RJF, Mitchell BD, Morrison AC, Preuss M, Psaty BM, Rich SS, Rotter JI, Tang H, Tracy RP, Boerwinkle E, Abecasis GR, Blackwell TW, Smith AV, Johnson AD, Mathias RA, Nickerson DA, Conomos MP, Li Y, Þorsteindottir U, Magnusson MK, Stefansson K, Pankratz ND, Bauer DE, Reiner AP. Whole genome sequencing identifies structural variants contributing to hematologic traits in the NHLBI TOPMed program. *Nat Commun*. 2022;13(1):7592. doi: 10.1038/s411467-022-35354-7.](https://pubmed.ncbi.nlm.nih.gov/36481753/)
18. [August E, Wing JJ, Adar SD, Dannenberg AL, Hajat A, Sanchez BN, Stein JH, Tattersall MC, Diez Roux AV. Change in Neighborhood Characteristics and Change in Coronary Artery Calcium: A Longitudinal Investigation in the MESA (Multi-Ethnic Study of Atherosclerosis) Cohort. *Circulation*. 2016;134(7):504-513.](http://www.ncbi.nlm.nih.gov/pubmed/27528645)
19. [Austin TR, Jensen PN, Nasrallah IM, Habes M, Rashid T, Ware JB, Chen LY, Greenland P, Hughes TM, Post WS, Shea SJ, Watson KE, Sitlani CM, Floyd JS, Kronmal RA, Longstreth Jr WT, Bertoni AG, Shah SJ, Bryan RN, Heckbert SR. Left Atrial Function and Arrhythmias in Relation to Small Vessel Disease on Brain MRI: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2022;11(20):e026460. doi: 10.1161/JAHA.122.026460.](https://pubmed.ncbi.nlm.nih.gov/36250665/)
20. [Austin TR, Nasrallah IM, Erus G, Desiderio LM, Chen LY, Greenland P, Harding BN, Hughes TM, Jensen PN, Longstreth Jr WT, Post WS, Shea SJ, Sitlani CM, Davatzikos C, Habes M, Bryan RN, Heckbert SR. Association of Brain Volumes and White Matter Injury With Race, Ethnicity, and Cardiovascular Risk Factors: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2022;11(7):e023159. doi: 10.1161/JAHA.121.023159.](https://pubmed.ncbi.nlm.nih.gov/35352569/)
21. [Austin TR, Wiggins KL, Blackshear C, Yang Y, Benjamin EJ, Curtis LH, Sotoodehnia N, Correa A, Heckbert SR. Atrial fibrillation in an African-American cohort: The Jackson Heart Study. *Clin Cardiol*. 2018;41(8):1049-1054.](https://www.ncbi.nlm.nih.gov/pubmed/29968356)
22. [Averill MM, Young RL, Wood AC, Kurlak EO, Kramer H, Steffen L, McClelland RL, Delaney JA, Drewnowski A. Spot Urine Sodium-to-Potassium Ratio Is a Predictor of Stroke. *Stroke*. 2019;50(2):321-327.](https://www.ncbi.nlm.nih.gov/pubmed/30661503)

1. [Awotoye J, Fashanu OE, Lutsey PL, Zhao D, O’Neal WT, Michos ED. Resting heart rate and incident venous thromboembolism: the Multi-Ethnic Study of Atherosclerosis.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Awotoye+J) *[Open Heart](https://www.ncbi.nlm.nih.gov/pubmed/?term=Awotoye+J)*[. 2020;7(1):e001080. doi: 10.1136/openhrt-2019-001080. eCollection 2020.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Awotoye+J)
2. [Awua-Larbi S, Wong TY, Cotch MF, Durazo-Arvizu R, Jacobs DR Jr, Klein BE, Klein R, Lima J, Liu K, Kramer H. Retinal arteriolar caliber and urine albumin excretion: the Multi-Ethnic Study of Atherosclerosis. *Nephrol Dial Transplant*. 2011;26(11):3523-3528.](http://www.ncbi.nlm.nih.gov/pubmed?term=Awua-Larbi%20S)
3. [Azarbarzin A, Sands SA, Han S, Sofer T, Labarca G, Stone KL, Gottlieb DJ, Javaheri S, Wellman A, White DP, Redline S. Relevance of cortical arousals for risk stratification in sleep apnea: a 3 cohort analysis. *J Clin Sleep Med*. 2023;19(8):1475-1484.](https://pubmed.ncbi.nlm.nih.gov/37086050/)
4. [Azarbarzin A, Sands SA, Younes M, Taranto-Montemurro L, Sofer T, Vena D, Alex RM, Kim SW, Gottlieb DJ, White DP, Redline S, Wellman A. The Sleep Apnea-Specific Pulse-Rate Response Predicts Cardiovascular Morbidity and Mortality. *Am J Respir Crit Care Med*. 2021;203(12):1546-1555.](https://pubmed.ncbi.nlm.nih.gov/33406013/)
5. [Babcock MJ, Soliman EZ, Ding J, Kronmal R, Goff DC Jr. Pericardial Fat and Atrial Conduction Abnormalities in the Multiethnic Study of Atherosclerosis (MESA). *Obesity (Silver Spring)*. 2011;19(1):179-184.](http://www.ncbi.nlm.nih.gov/pubmed/20508628)
6. [Bacharova L, Chen H, Estes DH, Mateasik A, Bluemke DA, Lima JA, Burke GL, Soliman EZ. Determinants of discrepancies in detection and comparison of the prognostic significance of left ventricular hypertrophy by electrocardiogram and cardiac magnetic resonance imaging. *Am J Cardiol*. 2015;115(4):515-522.](http://www.ncbi.nlm.nih.gov/pubmed/25542394)
7. [Baek J, Hirsch JA, Moore K, Tabb LP, Barrientos-Gutierrez T, Lisabeth LD, Diez-Roux AV, Sanchez BN. Statistical Methods to Study Variation in Associations Between Food Store Availability and Body Mass in the Multi-Ethnic Study of Atherosclerosis. *Epidemiology*. 2017;28(3):403-411.](https://www.ncbi.nlm.nih.gov/pubmed/28145983)
8. [Bahrami H, Bluemke DA, Kronmal R, Bertoni AG, Lloyd-Jones DM, Shahar E, Szklo M, Lima JA. Novel Metabolic Risk Factors for Incident Heart Failure and Their Relationship with Obesity: The MESA (Multi-Ethnic Study of Atherosclerosis) Study. *J Am Coll Cardiol*. 2008;51(18):1775-1783.](http://www.ncbi.nlm.nih.gov/pubmed/18452784?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
9. [Bahrami H, Kronmal R, Bluemke DA, Olson J, Shea S, Liu K, Burke GL, Lima JA. Differences in The Incidence of Congestive Heart Failure by Ethnicity: The Multi-Ethnic Study of Atherosclerosis. *Arch Intern Med.* 2008;168(19):2138-2145.](http://www.ncbi.nlm.nih.gov/pubmed/18955644?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
10. [Baird GL, Archer-Chicko C, Barr RG, Bluemke DA, Foderaro AE, Fritz JS, Hill NS, Kawut SM, Klinger JR, Lima JAC, Mullin CJ, Ouyang P, Palevsky HI, Palmisicano AJ, Pinder D, Preston IR, Roberts KE, Smith KA, Walsh T, Whittenhall M, Ventetuolo CE. Lower DHEA-S levels predict disease and worse outcomes in post-menopausal women with idiopathic, connective tissue disease- and congenital heart disease-associated pulmonary arterial hypertension. *Eur Respir J*. 2018;51(6). pii: 1800467. doi: 10.1183/13993003.00467-2018.](https://www.ncbi.nlm.nih.gov/pubmed/29954925)
11. [Bakhshi H, Ambale-Venkatesh B, Yang X, Ostovaneh MR, Wu CO, Budoff M, Bahrami H, Wong ND, Bluemke DA, Lima JA. Progression of Coronary Artery Calcium and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2017;6(4). pii: e005253. doi: 10.1161/JAHA. 116.005253.](https://www.ncbi.nlm.nih.gov/pubmed/28428195)
12. [Bakhshi H, Bagchi P, Meyghani Z, Tehrani B, Qian X, Garg PK, Ambale-Venkatesh B, Bhatia HS, Ohyama Y, Wu CO, Budoff M, Allison M, Criqui MH, Bluemke DA, Lima JAC, deFilippi CR. Association of coronary artery calcification and thoracic aortic calcification with incident peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA). *Eur Heart J Open*. 2021;1(3):oeab042. doi: 10.1093/ehjopen/oeab042.](https://pubmed.ncbi.nlm.nih.gov/35005719/)
13. [Bakhshi H, Michelhaugh SA, Bruce SA, Seliger SL, Qian X, Ambale Venkatesh B, Varadarajan V, Bagchi P, Lima JAC, deFilippi C. Association between proteomic biomarkers and myocardial fibrosis measured by MRI: the multi-ethnic study of atherosclerosis. *EBoMedicine*. 2023;90:104490.doi: 10.1016/j.ebiom.2023.104490.](https://pubmed.ncbi.nlm.nih.gov/36857966/)
14. [Bakhshi H, Varadarajan V, Ambale-Venkatesh B, Meyghani Z, Ostovaneh MR, Durda P, Wu CO, Tracy RP, Cushman M, Bluemke DA, Lima JAC. Association of soluble interleukin-2 receptor α and tumour necrosis factor receptor 1 with heart failure: The Multi-Ethnic Study of Atherosclerosis. *ESC Heart Fail*. 2020;7(2):639-644.](https://www.ncbi.nlm.nih.gov/pubmed/32155316)
15. [Bakker JP, Wend J, Wang R, Redline S, Punjabi NM, Patel SR. Association between Obstructive Sleep Apnea, Sleep Duration, and Abnormal Fasting Glucose: The Multi-Ethnic Study of Atherosclerosis. *Am J Respir Crit Care Med*. 2015;192(6):745-753.](http://www.ncbi.nlm.nih.gov/pubmed/26084035)
16. [Bakshis E, Haljas K, Amare AT, Alizadeh BZ, Hsu YH, Mosley T, Newman A, Murabito J, Tiemeir H, Tanaka T, van Duijn C, Ding J, Llewellyn DJ, Bennett DA, Terracciano A, Launer L, Ladwig KH, Cornelis MC, Teumer A, Grabe H, Kardia SLF, Ware EM, Smith JA, Snieder H, Eriksson JG, Groop L, Raikkonen K, Lahti J. Bivariate Genome-Wide Association Study of Depressive Symptoms with Type 2 Diabetes and Quantitative Glycemic Traits. *Psychosom Med*. 2018;80(3):242-251](https://www.ncbi.nlm.nih.gov/pubmed/29280852)
17. [Bakshis E, Hek K, Demirkan A, Lahti J, Terracciano A, Teumer A, Cornelis MC, Amin N, Baumert J, Ding J, Liu Y, Marciante K, Meirelles O, Nalls MA, Sun YV, Vogelzangs N, Yu L, Bandinelli S, Benjamin EJ, Bennett DA, Boomsma D, Cannas A, Coker LH, de Geus E, De Jager PL, Diez-Roux AV, Purcell S, Hu FB, Rimma EB, Hunter DJ, Jensen MK, Curhan G, Rice K, Penman AD, Rotter JI, Sotoodehinia N, Emeny R, Eriksson JG, Evans DA, Ferrucci L, Fornage M, Gudnason V, Hoffman A, Illig T, Kardia S, Kelly-Hayes M, Koenen K, Kraft P, Kuningas M, Massaro JM, Melzer D, Mulas A, Mulder CL, Murray A, Oostra BA, Palotie A, Penninx B, Petersmann A, Pilling LC, Psaty B, Rawal R, Reiman EM, Schulz A, Shulman JM, Singleton AB, Smith AV, Sutin AR, Uitterlinden AG, Volzke H, Widen E, Yaffe K, Zonderman AB, Cucca F, Harris T, Ladwig KH, Llewellyn DJ, Raikkonen K, Tanaka T, van Duijn Cm, Grabe HJ, Launer LJ, Lunetta KL, Mosley TH Jr, Newman AB, Tiemeir H, Murabito J. A genome-wide association study of depressive symptoms. *Biol Psychiatry*. 2013;73(7):667-678.](https://www.ncbi.nlm.nih.gov/pubmed/23290196)
18. [Bakshis E, Smith JA, Mukherjee B, Lee S, Kardia SL, Diez-Roux AV. Applying Novel Methods for Assessing Individual- and Neighborhood-Level Social and Psychosocial Environment Interactions with Genetic Factors in the Prediction of Depressive Symptoms in the Multi-Ethnic Study of Atherosclerosis. *Behav Genet*. 2016;46(1):89-99.](https://www.ncbi.nlm.nih.gov/pubmed/26254610)
19. [Bakshis E, Ware EB, Mukherjee B, Sun YV, Diez-Roux AV, Kardia SL, Smith JA. Comparative genome-wide association studies of a depressive symptom phenotype in a repeated measures setting by race/ethnicity in the Multi-Ethnic Study of Atherosclerosis. *BMC Genet*. 2015;16:118. doi: 10.1186s12863-015-0274-0.](https://www.ncbi.nlm.nih.gov/pubmed/26459564)
20. [Balakrishnan P, Jones MR, Vaidya D, Tellez-Plaza M, Post WS, Kaufjan JD, Bielinski SJ, Taylor K, Francesconi K, Goessler W, Navas-Acien A. Ethnic, Geographic, and Genetic Differences in Arsenic Metabolism at Low Arsenic Exposure: A Preliminary Analysis in the Multi-Ethnic Study of Atherosclerosis (MESA). *Int J Environ Res Public Health*. 2018;15(6). pii: E1179. doi: 10.3390/ijerph15061179.](https://www.ncbi.nlm.nih.gov/pubmed/29874848)
21. [Balte PP, Chaves PHM, Couper DJ, Enright P, Jacobs Jr DR, Kalhan R, Kronmal RA, Loehr LR, London SJ, Newman AB, O’Connor GT, Schwartz JE, Smith BM, Smith LJ, White WB, Yende S, Oelsner EC. Association of Nonobstructive Chronic Bronchitis With Respiratory Health Outcomes in Adults. *JAMA Intern Med*. 2020;180(5):676-686.](https://pubmed.ncbi.nlm.nih.gov/32119036/)
22. [Bancks MP, Bertoni AG, Carnethon M, Chen H, Cotch MF, Gujral UP, Herrington D, Kanaya AM, Szklo M, Vaidya D, Kandula NR. Association of Diabetes Subgroups With Race/Ethnicity, Risk Factor Burden and Complications: The MASALA and MESA Studies. *J Clin Endocrinol Metab*. 2021;106(5):e2106-e2115. doi: 10.1210/clinem/dgaa962.](https://pubmed.ncbi.nlm.nih.gov/33502458/)

1. [Bancks MP, Bielinski SJ, Decker PA, Hanson NQ, Larson NB, Sicotte H, Wassel CL, Pankow JS. Circulating level of hepatocyte growth factor predicts incidence of type 2 diabetes mellitus: The Multi-Ethnic Study of Atherosclerosis (MESA). *Metabolism*. 2016;65(3):64-72.](http://www.ncbi.nlm.nih.gov/pubmed/26892517)
2. [Bancks MP, Byrd GS, Caban-Holt A, Fitzaptrick AL, Forrester SN, Hayden KM, Heckbert SR, Kershaw KN, Rapp SR, Sachs BC, Hughes TM. Self-reported experiences of discrimination and incident dementia. *Alzheimers Dement*. 2023;19(7):3119-3128.](https://pubmed.ncbi.nlm.nih.gov/36724324/)
3. [Bancks MP, Carnethon M, Chen H, Cotch MF, Klein B, Klein R, Szklo M, Bertoni A. Diabetes subgroups and risk for complications: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Diabetes Complications*. 2021;35(6):107915. doi: 10.1016/j.jdiacomp.2021.107915.](https://pubmed.ncbi.nlm.nih.gov/33785252/)
4. [Bansal N, Katz R, de Boer IH, Kestenbaum B, Siscovick DS, Hoofnagle AN, Tracy R, Laughlin GA, Criqui MH, Budoff MJ, Li D, Ix JH. Influence of Estrogen Therapy on Calcium, Phosphorus, and Other Regulatory Hormones in Postmenopausal Women: The MESA Study. *J Clin Endocrinol Metab*. 2013;98(12):4890-4898.](http://www.ncbi.nlm.nih.gov/pubmed/24092825)
5. [Bansal N, Katz R, Robinson-Cohen C, Odden MC, Dalrymple L, Shlipak MG, Sarnak MJ, Siscovick DS, Zelnick L, Psaty BM, Kestenbaum B, Correa A, Afkarian M, Young B, de Boer IH. Absolute Rates of Heart Failure, Coronary Heart Disease, and Stroke in Chronic Kidney Disease: An Analysis of 3 Community-Based Cohort Studies. *JAMA Cardiol*. 2017;2(3):314-318.](https://www.ncbi.nlm.nih.gov/pubmed/28002548)
6. [Bansal N, Zelnick LR, Alonso A, Benjamin EJ, de Boer IH, Deo R, Katz R, Kestenbaum B, Matthew J, Robinson-Cohen C, Sarnak MJ, Shlipak MG, Sotoodehnia N, Young B, Heckbert SR. eGFR and Albuminuria in Relation to Risk of Incident Atrial Fibrillation: A Meta-Analysis of the Jackson Heart Study, the Multi-Ethnic Study of Atherosclerosis, and the Cardiovascular Health Study. *Clin J Am Soc Nephrol*. 2017;12(9):1386-1398.](https://www.ncbi.nlm.nih.gov/pubmed/28798221)
7. [Bansal N, Zelnick L, Robinson-Cohen C, Hoofnagle AN, Ix JH, Lima JA, Shoben AB, Peralta CA, Siscovick DS, Kestenbaum B, de Boer IH. Serum parathyroid hormone and 25-hydroxyvitamin d concentrations and risk of incident heart failure: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2014;3(6). pii: e001278. doi: 10.1161/JAHA.114.001278.](http://www.ncbi.nlm.nih.gov/pubmed/25468653)
8. [Bapat A, Zhang Y, Post WS, Guallar E, Soliman EZ, Heckbert SR, Lima J, Bertoni AG, Alonso A, Nazarian S. Relation of Physical Activity and Incident Atrial Fibrillation (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2015;116(6):883-888.](http://www.ncbi.nlm.nih.gov/pubmed/26189040)
9. [Barfield R, Wang H, Liu Y, Brody JA, Swenson B, Li R, Bartz TM, Sotoodehnia N, Chen YI, Cade BE, Chen H, Patel SR, Zhu X, Gharib SA, Johnson WC, Rotter JI, Saxena R, Purcell S, Lin X, Redline S, Sofer T. Epigenome-wide association analysis of daytime sleepiness in the Multi-Ethnic Study of Atherosclerosis reveals African-American specific associations. *Sleep*. 2019;42(8): pii: zsz101. doi: 10.1093/sleep/zsz101.](https://www.ncbi.nlm.nih.gov/pubmed/31139831)
10. [Barforoshi S, Manubolu VS, Wang R, McClelland RL, Budoff MJ. Incremental value of ABI and CAC beyond traditional risk markers in long-term prediction of cardiovascular disease incidence in participants with diabetes and impaired fasting glucose: Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2023 Jul 6. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37532595/)
11. [Baron KG, Liu K, Chan C, Shahar E, Hasnain-Wynia R, Zee P. Race and ethnic variation in excessive daytime sleepiness: the multi-ethnic study of atherosclerosis. *Behav Sleep Med*. 2010;8(4):231-245.](http://www.ncbi.nlm.nih.gov/pubmed/20924836)
12. [Barr RG, Ahmed FS, Car JJ, Hoffman EA, Jiang R, Kawut SM, Watson K. Subclinical atherosclerosis, airflow obstruction and emphysema: the MESA Lung Study. *Eur Respir J*. 2012;39(4):846-854.](http://www.ncbi.nlm.nih.gov/pubmed/22034646)
13. [Barr RG, Bluemke DA, Ahmed FS, Carr JJ, Enright PL, Hoffman EA, Jiang R, Kawut SM, Kronmal RA, Lima JA, Shahar E, Smith LJ, Watson KE. Percent emphysema, airflow obstruction, and impaired left ventricular filling. *N Engl J Med*. 2010;362(3):217-227.](http://www.ncbi.nlm.nih.gov/pubmed/20089972)
14. [Barr RG, Quanjer PH, Stanojevic S, Cole TJ, Baur X, Hall GL, Culver B, Enright PL, Hankinson JL, Ip MS, Zheng J, Stocks J; the ERS Global Lung Function Initiative. Multi-ethnic reference values for spirometry for the 3-95-yr age range: the global lung function 2012 equations. *Eur Respir J*. 2012;40(6):1324-1343.](http://www.ncbi.nlm.nih.gov/pubmed/22743675)
15. [Barrientos-Gutierrez T, Moore KAB, Auchincloss AH, Mujahid MS, August C, Sanchez BN, Diez Roux AV. Neighborhood Physical Environment and Changes in Body Mass Index: Results From the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2017;186(11):1237-1245.](https://www.ncbi.nlm.nih.gov/pubmed/29206987)
16. [Basu S, Sussman JB, Berkowitz SA, Hayward RA, Bertoni AG, Correa A, Mwasongwe S, Yudkin JS. Validation of Risk Equations for Complications of Type 2 Diabetes (RECODe) Using Individual Participant Data From Diverse Longitudinal Cohorts in the U.S. *Diabetes Care*. 2018;41(3):586-595.](https://www.ncbi.nlm.nih.gov/pubmed/29269511)
17. [Basu S, Yadlowsky S, Hayward RA, Sussman JB, McClelland RL, Min YI. Clinical Implications of Revised Pooled Cohort Equations for Estimating Atherosclerotic Cardiovascular Disease Risk. *Ann Intern Med*. 2018;169(1):20-29.](https://www.ncbi.nlm.nih.gov/pubmed/29868850)
18. [Bauer M, Delaney JA, Mohlenkamp S, Jockel KH, Kronmal RA, Lehmann N, Mukamal KJ, Moebus S, Polak JF, Dragano N, Budoff M, Erbel R, McClelland RL. Comparison of Factors Associated with Carotid Intima-Media Thickness in the Multi-Ethnic Study of Atherosclerosis (MESA) and the Heinz Nixdorf Recall Study (HNR). *J Am Soc Echocardiogr*. 2013;26(6):667-673.](http://www.ncbi.nlm.nih.gov/pubmed/23611058)
19. [Beinart R, Zhang Y, Lima JA, Bluemke DA, Soliman EZ, Heckbert SR, Post WS, Guallar E, Nazarian S. The QT Interval Is Associated With Incident Cardiovascular Events: The MESA Study. *J Am Coll Cardiol*. 2014;64(20):2111-2119.](http://www.ncbi.nlm.nih.gov/pubmed/25457400)
20. [Bell EJ, Decker PA, Tsai MY, Pankow JS, Hanson NQ, Wassel CL, Larson NB, Cohoon KP, Budoff MJ, Polak JF, Stein JH, Bielinski SJ. Hepatocyte growth factor is associated with progression of atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2018;272:162-167.](https://www.ncbi.nlm.nih.gov/pubmed/29609131)
21. [Bell EJ, Larson NB, Decker PA, Pankow JS, Tsai MY, Hanson NQ, Wassel CL, Longstreth WT Jr, Bielinski SJ. Hepatocyte Growth Factor Is Positively Associated With Risk of Stroke: The MESA (Multi-Ethnic Study of Atherosclerosis). *Stroke*. 2016;47(11):2689-2694.](https://www.ncbi.nlm.nih.gov/pubmed/27729582)
22. [Bell G, Mora S, Greenland P, Tsai M, Gill E, Kaufman JD. Association of Air Pollution Exposures With High-Density Lipoprotein Cholesterol and Particle Number: The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2017;37(5):976-982.](https://www.ncbi.nlm.nih.gov/pubmed/28408373)
23. [Bellissimo MP, Carbone S, He J, Jordan JH, Ambale-Venkatesh B, Lima JA, La Rose JG, Salloum FN, Bandyopadhyay D, Hundley WG. Higher diet quality relates to better cardiac function in cancer survivors: The multi-ethnic study of atherosclerosis. *Prog Cardiovasc Dis*. 2023;81:10-16.](https://pubmed.ncbi.nlm.nih.gov/37852519/)
24. [Bellows BK, Ruiz-Negron, Bibbins-Domingo K, King JB, Pletcher MJ, Moran AE, Fontil V. Clinic-Based Strateties to Reach United States Million Hearts 2022 Blood Pressure Control Goals. *Circ Cardiovasc Qual Outcomes*. 2019;12(6):e005624. doi: 10.1161/CIRCOUTCOMES.118.005624.](https://pubmed.ncbi.nlm.nih.gov/31163981/)
25. [Bellows BK, Zhang Y, Zhang Z, Lloyd-Jones DM, Bress AP, King JB, Kolm P, Cushman WC, Johnson KC, Tamariz L, Oelsner EC, Shea S, Newman AB, Ives DG, Couper D, Moran AE, Weintraub WS. Estimating Systolic Blood Pressure Invervention Trial Participant Posttrial Survival Using Pooled Epidemiologic Cohort Data. *J Am Heart Assoc*. 2021;10(10):e020361. doi: 10.1161/JAHA.120.020361.](https://pubmed.ncbi.nlm.nih.gov/33955229/)
26. [Benson EA, Tibuakuu M, Zhao D, Akinkuolie AO, Otvos JD, Duprez DA, Jacobs DR Jr, Mora S, Michos ED. Associations of ideal cardiovascular health with GlycA, a novel inflammatory marker: The Multi-Ethnic Study of Atherosclerosis. *Clin Cardiol*. 2018;41(11):1439-1445.](https://www.ncbi.nlm.nih.gov/pubmed/30452775)

1. [Benton JL,](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16879828&ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) [Ding J, Tsai MY, Shea S, Rotter JI, Burke GL, Post W. Associations between two common polymorphisms in the ABCA1 gene and subclinical atherosclerosis: Multi-Ethnic Study of Atherosclerosis (MESA).](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16879828&ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Atherosclerosis.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16879828&ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)* [2007;193(2):352-360.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16879828&ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Berardi C, Bluemke DA, Houston BA, Kolb TM, Lima JA, Pezel T, Tedford RJ, Rayner SG, Cheng RK, Leary PJ. Association of soluble Flt-1 with heart failure and cardiac morphology: The MESA angiogenesis study. *J Heart Lung Transplant*. 2022;41(5):619-625.](https://pubmed.ncbi.nlm.nih.gov/35184966/)
3. [Berardi C, Decker PA, Kirsch PS, de Andrade M, Tsai MY, Pankow JS, Sale MM, Sicotte H, Tang W, Hanson N, Polak JF, Bielinski SJ. Plasma and serum L-selectin and clinical and subclinical cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis (MESA). *Transl Res*. 2014;163(6):585-592.](http://www.ncbi.nlm.nih.gov/pubmed/24631064)
4. [Berardi C, Larson NB, Decker PA, Wassel CL, Kirsch PS, Pankow JS, Sale MM, de Andrade M, Sicotte H, Tang W, Hanson NQ, Tsai MY, Chen YD, Bielinski SJ. Multi-ethnic analysis reveals soluble L-selectin may be post-transcriptionally regulated by 3’UTR polymorphism: the Multi-Ethnic Study of Atherosclerosis (MESA). *Hum Genet*. 2015;134(4):393-403.](http://www.ncbi.nlm.nih.gov/pubmed/25576479)
5. [Berardi C, Wassel CL, Decker PA, Larson NB, Kirsch PS, de Andrade M, Tsai MY, Pankow JS, Sale MM, Sicotte H, Tang W, Hanson NQ, McDermott MM, Criqui MH, Allison MA, Bielinski SJ. Elevated Levels of Adhesion Proteins Are Associated With Low Ankle-Brachial Index. *Angiology*. 2017;68(4):322-329.](https://www.ncbi.nlm.nih.gov/pubmed/27436494)
6. [Berchuck SI, Warren JL, Herring AH, Evenson KR, Moore KA, Ranchod YK, Diez-Roux AV. Spatially Modelling the Association Between Access to Recreational Facilities and Exercise: The ‘Multi-Ethnic Study of Atherosclerosis’. *J R Stat Soc Ser A Stat Soc*. 2016;179(1):293-310.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Berchuck+SI)
7. [Bergen S, Sheppard L, Sampson PD, Kim SY, Richards M, Vedal S, Kaufman JD, Szpiro AA. A National Prediction Model for PM2.5 Component Exposures and Measurement Error-Corrected Health Effect Inference. *Environ Health Perspect*. 2013;121(9):1017-1025.](http://www.ncbi.nlm.nih.gov/pubmed/23757600)
8. [Berlin I, Lin S, Lima JA, Bertoni AG. Smoking Status and Metabolic Syndrome in the Multi-Ethnic Study of Atherosclerosis. A cross-sectional study. *Tob Induc Dis*. 2012;10(1):9. doi: 10.1186/1617-9625-10-9.](http://www.ncbi.nlm.nih.gov/pubmed/22716943)
9. [Bernstein EJ, Austin JHM, Kawut SM, Raghu G, Hoffman EA, Newell JD Jr, Watts JR Jr, Nath PH, Sonavane SK, Barr RG, Lederer DJ. Antinuclear antibodies and subclincal interstitial lung disease in community-dwelling adults: the MESA study. *Eur Respir J*. 2020;55(4). pii: 1902262. doi: 10.1183/13993003.02262-2019.](https://pubmed.ncbi.nlm.nih.gov/31980490/)
10. [Bernstein EJ, Barr RG, Austin JHM, Kawut SM, Raghu G, Sell JL, Hoffman EA, Newal JD Jr, Watts JR Jr, Nath PH, Sonavane SK, Bathon JM, Majka DS, Lederer DJ. Rheumatoid arthritis-associated autoantibodies and subclinical interstitial lung disease: the Multi-Ethnic Study of Atherosclerosis. *Thorax*. 2016;71(12):1082-1090.](https://www.ncbi.nlm.nih.gov/pubmed/27609750)
11. [Berry JD, Liu K, Folsom AR, Lewis CE, Carr JJ, Polak JF, Shea S, Sidney S, O’Leary DH, Chan C, Lloyd-Jones DM. Prevalence and Progression of Subclinical Atherosclerosis in Younger Adults With Low Short-Term but High Lifetime Estimated Risk For Cardiovascular Disease: The Coronary Artery Risk Development in Young Adults Study and Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2009;119(3):382-389.](http://www.ncbi.nlm.nih.gov/pubmed/19139385?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
12. [Bertisch SM, Reid M, Lutsey PL, Kaufman JD, McClelland R, Patel SR, Redline S. Gender differences in the association of insomnia symptoms and coronary artery calcification in the multi-ethnic study of atherosclerosis. *Sleep*. 2021;44(10):zsab116. doi: 10.1093/sleep/zsab116.](https://pubmed.ncbi.nlm.nih.gov/33987669/)
13. [Bertisch SM, Sillau S, de Boer IH, Szklo M, Redline S. 25-Hydroxyvitamin D Concentration and Sleep Duration and Continuity: Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2015;38(8):1305-1311.](http://www.ncbi.nlm.nih.gov/pubmed/25669179)
14. [Bertoni AG, Burke GL, Owusu JA, Carnethon MR, Vaidya D, Barr RG, Jenny NS, Ouyang P, Rotter JI. Inflammation and the incidence of type 2 diabetes: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2010;33(4):804-810.](http://www.ncbi.nlm.nih.gov/pubmed/20097779)
15. [Bertoni AG, Goff DC, Jr., D'Agostino RB, Jr., Liu K, Hundley WG, Lima JA, Polak JF, Saad MF, Szklo M, Tracy RP, Siscovick DS. Diabetic Cardiomyopathy and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2006;29(3):588-594.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16505511)
16. [Bertoni AG, Whitt-Glover MC, Chung H, Le KY, Barr RG, Mahesh M, Jenny NS, Burke GL, Jacobs DR. The Association Between Physical Activity and Subclinical Atherosclerosis: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2009;169(4):444-454.](http://www.ncbi.nlm.nih.gov/pubmed/19075250?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
17. [Bertoni AG, Wong ND, Shea S, Ma S, Liu K, Preethi S, Jacobs DR Jr, Wu C, Saad MF, Szklo M. Insulin resistance, metabolic syndrome and subclinical atherosclerosis: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2007;30(11):2951-2956.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17704348&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
18. [Besser L, Chang LC, Evenson KR, Hirsch JA, Michael YL, Galvin JE, Rapp SR, Fitzpatrick AL, Heckbert SR, Kaufman JD, Hughes TM. Associations Between Neighborhood Park Access and Longitudinal Change in Cognition in Older Adults: The Multi-Ethnic Study of Atherosclerosis. *J Alzheimers Dis*. 2021;82(1):221-233.](https://pubmed.ncbi.nlm.nih.gov/34024841/)

1. [Besser L, Galvin JE, Rodriguez D, Seeman T, Kukull W, Rapp SR, Smith J. Associations between neighborhood built environment and cognition vary by apolipoprotein E genotype: Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2019;60:102188. doi: 10.1016/j.healthplace.2019. 102188.](https://pubmed.ncbi.nlm.nih.gov/31797769/)
2. [Besser LM, Chang LC, Hirsch JA, Rodriguez DA, Renne J, Rapp SR, Fitzpatrick AL, Heckbert SR, Kaufman JD, Hughes TM. Longitueinal Associations between the Neighborhood Built Environment and Cognition in US Older Adults: The Multi-Ethnic Study of Atherosclerosis. *Int J Environ Res Public Health*. 2021;18(15):7973. doi: 10.3390/ijerph18157973.](https://pubmed.ncbi.nlm.nih.gov/34360264/)
3. [Besser LM, Hirsch J, Galvin JE, Renne J, Park J, Evenson KR, Kaufman JD, Fitzpatrick AL. Associations between neighborhood park space and cognition in older adults vary by US location: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2020;66:102459. doi: 10.1016/j.healthplace.2020.102459.](https://pubmed.ncbi.nlm.nih.gov/33045671/)
4. [Besser LM, Meyer OL, Jones MR, Tran D, Booker M, Mitsova D, Peterson R, Galvin JE, Bateman JR, Hayden KM, Hughes TM. Neighborhood segregation and cognitive change: Multi-Ethnic Study of Atherosclerosis. *Alzheimers Dement*. 2023;19(4):1143-1151.](https://pubmed.ncbi.nlm.nih.gov/35869977/)
5. [Besser LM, Rodriguez DA, McDonald N, Kukull WA, Fitzpatrick AL, Rapp SR, Seeman T. Neighborhood built environment and cognition in non-demented older adults: The Multi-Ethnic Study of Atherosclerosis. *Soc Sci Med*. 2018;200:27-35.](https://www.ncbi.nlm.nih.gov/pubmed/29355828)
6. [Bhatia HS, McClelland RL, Denenberg J, Budoff MJ, Allison MA, Criqui MH. Coronary Artery Calcium Density and Cardiovascular Events by Volume Level: The MESA. *Circ Cardiovasc Imaging*. 2023 Feb 21. [Eub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/36802448/)

1. [Bhatia HS, McClelland RL, Heckbert SR, Criqui M, Garg P. Density of Calcified Coronary Artery and Risk of Incident Atrial Fibrillation (from the Multiethnic Study of Atherosclerosis).](https://pubmed.ncbi.nlm.nih.gov/35843733/) *[Am J Cardiol](https://pubmed.ncbi.nlm.nih.gov/35843733/)*[. 2022;179:39-45.](https://pubmed.ncbi.nlm.nih.gov/35843733/)
2. [Bhatia HS, Rikhi R, Allen TS, Yeang C, Guan W, Garg PK, Tsai MY, Criqui MH, Shapiro MD, Tsimikas S. Lipoprotein(a) and the pooled cohort equations for ASCVD risk prediction: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2023;381:117217. doi: 10.1016/j.atherosclerosis.2021.117217.](https://pubmed.ncbi.nlm.nih.gov/37607461/)
3. [Bhatia HS, Thomas IC, Denenberg J, Allison M, McClelland RL, Budoff M, McVeigh ER, Criqui MH. Coronary artery calcium and cardiovascular disease prediction by scanner type: the multi-ethnic study of atherosclerosis. *Clin Radiol*. 2022;77(8):e636-e642. doi: 10.1016/j.crad.2022.04.013.](https://pubmed.ncbi.nlm.nih.gov/35641338/)
4. [Bhatia HS, Trainor P, Carlisle S, Tsai MY, Criqui MH, DeFilippis A, Tsimikas S. Aspirin for Primary Prevention of Cardiovascular Events in Individuals with Elevated Lipoprotein(a): the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2024;13(3):e033562. doi: 10.1161/JAHA.123.033562.](https://pubmed.ncbi.nlm.nih.gov/38293935/)
5. [Bhatia HS, Zheng KH, Garg PK, Guan W, Whelton SP, Budoff MJ, Tsai MY. Lipoprotein(a) and Aortic Valve Calcification: The Multi-Ethnic Study of Atherosclerosis. *JACC: Cardiovasc Imaging*. 2023;16(2):258-260.](https://pubmed.ncbi.nlm.nih.gov/36648051/)
6. [Bhatraju PK, Zelnick LR, Shlipak M, Katz R, Kestenbaum B. Association of Soluble TNFR-1 Concentrations with Long-Term Decline in Kidney Function: The Multi-Ethnic Study of Atherosclerosis. *J Am Soc Nephrol*. 2018;29(11):2713-2721.](https://www.ncbi.nlm.nih.gov/pubmed/30287518)
7. [Bhatt SP, Balte PP, Schwartz JE, Cassano PA, Couper D, Jacobs DR Jr, Kalhan R, O’Connor GT, Yende S, Sanders JL, Umans JG, Dransfield MT, Chaves PH, White WB, Oelsner EC. Discrimination Accuracy of FEV1:FVC Thresholds for COPD-Related Hospitalization and Mortality. *JAMA*. 2019;321(24):2438-2447.](https://www.ncbi.nlm.nih.gov/pubmed/31237643)
8. [Bhatt SP, Balte PP, Schwartz J, Jaeger BC, Cassano PA, Chaves PH, Couper D, Jacobs Jr DR, Kalhan R, Kaplan R, Lloyd-Jones D, Newman AB, O’Connor G, Sanders JL, Smith BM, Sun Y, Umans JG, White WB, Yende S, Oelsner EC. Pooled Cohort Probability Score for Subclinical Airflow Obstruction. *An Am Thorac Soc*. 2022;19(8):1294-1304.](https://pubmed.ncbi.nlm.nih.gov/35176216/)
9. [Bick AG, Weinstock JS, Gopakumar J, Burugula BB, Uddin MM, Jahn N, Belk JA, Bouzid H, Daniel B, Miao Z, Ly N, Mack TM, Luna SE, Prothro KP, Mitchell SR, Laurie CA, Broome JG, Taylor KD, Guo X, Sinner MF, von Falkenhausen AS, Kaab S, Shuldiner AR, O’Connell JR, Lewis JP, Boerwinkle E, Barnes KC, Chami N, Kenny EE, Loos RJF, Fornage M, Hou L, Lloyd-Jones DM, Redline S, Cade BE, Psaty BM, Bis JC, Brody JA, Silverman EK, Yun JH, Qiao D, Palmer ND, Freedman BI, Bowden DW, Cho MH, DeMeo DL, Vasan RS, Yanek LR, Becker LC, Kardia SLR, Peyser PA, He J, Reinstra M, Van der Harst P, Kaplan R, Heckbert SR, Smith NL, Wiggins KL, Arnett DK, Irvin MR, Tiwari H, Cutler MJ, Knight S, Muhlestein JB, Correa A, Raffield LM, Gao Y, de Andrade M, Rotter JI, Rich SS, Tracy RP, Konkle BA, Johnsen JM, Wheeler MM, Smith JG, Melander O, Nilsson PM, Custer BS, Duggirala R, Curran JE, Blangero J, McGarvey S, Williams LK, Xiao S, Yang M, Gu CC, Chen YDI, Lee WJ, Marcus GM, Kane JP, Pullinger CR, Shoemaker MB, Darbar D, Roden DM, Albert C, Kooperberg C, Zhou Y, Manson JE, Desai P, Johnson AD, Mathias JE, Desai P, Johnson AD, Mathias RA; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Blackwell TW, Abecasis GR, Smith AV, Kang HM, Satpathy AT, Natarajan P, Kitzman JO, Whitel EA, Reiner AP, Jaiswal S. Aberrant activation of TCL1A promotes stem cell expansion in clonal haematopoiesis. *Nature*. 2023;616(7958):755-763.](https://pubmed.ncbi.nlm.nih.gov/37046083/)
10. [Bick AG, Weinstrock JS, Nandakumar SK, Fulco CP, Bao EL, Zekavat SM, Szeto MD, Liao X, Leventhal MJ, Nasser J, Chang K, Laurie C, Burugula B, Gibson CJ, Lin AE, Taub MA, Aguet F, Ardlie K, Mitchell BD, Barnes KC, Moscati A, Fornage M, Redline S, Psaty BM, Silverman EK, Weiss ST, Palmer ND, Vasan RS, Burchard EG, Kardia SLR, He J, Kaplan RC, Smith NL, Arnett DK, Schwartz DA, Correa A, de Andrade M, Guo X, Konkle BA, Custer B, Peralta JM, Gui H, Meyers DA, McGarvey ST, Chen IYD, Shoemaker MB, Peyser PA, Broome JG, Gogarten SM, Wang FF, Wong Q, Montasser ME, Daya M, Kenny EE, North KE, Launer LJ, Cade BE, Bis JC, Cho MH, Lasky-Su J, Bowden DW, Cupples LA, Mak ACY, Becker LC, Smith JA, Kelly TN, Aslibekyan S, Heckbert SR, Tiwari HK, Yang IV, Heit JA, Lubitz SA, Johnson JM, Curran JE, Wenzel SE, Weeks DE, Rao DC, Darbar D, Moon JY, Tracy RP, Buth EJ, Rafaels N, Loos RJF, Durda P, Liu Y, Hou L, Lee J, Kachroo P, Freedman BI, Levy D, Bielak LF, Hixson JE, Floyd JS, Whitsel EA, Ellinor PT, Irvin MR, Fingerlin TE, Raffield LM, Armasu SM, Wheller MM, Sabino EC, Blangero J, Williams LK, Levy BD, Sheu WHH, Roden DM, Boerwinkle E, Manson JE, Mathias RA, Desai P, Taylor KD, Johnson AD’ NHLBI Trans-Omics for Precision Medicine Consortium; Auer PL, Kooperberg C, Laurie CC, Blackwell TW, Smith AV, Zhao H, Lange E, Lange L, Rich SS, Rotter JI, Wilson JG, Scheet P, Kitzman JO, Lander ES, Engreitz JM, Ebert BL, Reiner AP, Jaiswal S, Abecasis G, Sankaran VG, Kathiresan S, Natarajan P. Inherited causes of clonal haematopoiesis in 97,691 whole genomes. *Nature*. 2020;586(7831):763-768.](https://pubmed.ncbi.nlm.nih.gov/33057201/)
11. [Bielinski SJ, Berardi C, Decker PA, Kirsch PS, Larson NB, Pankow JS, Sale M, de Andrade M, Sicotte H, Tang W, Hanson NQ, Wassel CL, Polak JF, Tsai MY. P-selectin and subclinical and clinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2015;240(1):3-9.](http://www.ncbi.nlm.nih.gov/pubmed/25744700)
12. [Bielinski SJ, Berardi C, Decker PA, Larson NB, Bell EJ, Pankow JS, Sale MM, Tang W, Hanson NQ, Wassel CL, de Andrade M, Budoff MJ, Polak JF, Sicotte H, Tsai MY. Hepatocyte growth factor demonstrates racial heterogeneity as a biomarker for coronary heart disease. *Heart*. 2017;103(15):1185-1193.](https://www.ncbi.nlm.nih.gov/pubmed/28572400)
13. [Bielinski SJ, Pankow JS, Li N, Hsu FC, Adar SD, Jenny NS, Bowden DW, Wasserman BA, Arnett D. ICAM1 and VCAM1 polymorphisms, coronary artery calcium, and circulating levels of soluble ICAM-1: the multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2008;201(2):339-344.](http://www.ncbi.nlm.nih.gov/pubmed/18420209?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
14. [Bild DE, Bluemke DA, Burke GL, Detrano R, Diez Roux AV, Folsom AR, Greenland P, Jacob DR, Jr., Kronmal R, Liu K, Nelson JC, O'Leary D, Saad MF, Shea S, Szklo M, Tracy RP. Multi-ethnic study of atherosclerosis: objectives and design. *Am J Epidemiol*. 2002;156(9):871-881.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=12397006)
15. [Bild DE, Detrano R, Peterson D, Guerci A, Liu K, Shahar E, Ouyang P, Jackson S, Saad MF. Ethnic differences in coronary calcification: the Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*. 2005;111(10):1313-1320.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15769774)
16. [Bild DE, McClelland R, Kaufman JD, Blumenthal R, Burke GL, Carr JJ, Post WS, Register TC, Shea S, Szklo M. Ten-Year Trends in Coronary Calcification in Individuals without Clinical Cardiovascular Disease in the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2014;9(4):e94916. doi: 10.1371/journal.pone.0094916. eCollection 2014.](http://www.ncbi.nlm.nih.gov/pubmed/24743658)
17. [Billings ME, Gold D, Szpiro A, Aaron CP, Jorgensen N, Gassett A, Leary PJ, Kaufman JD, Redline SR. The Association of Ambient Air Pollution with Sleep Apnea: The Multi-Ethnic Study of Atherosclerosis. *Ann Am Thorac Soc*. 2019;16(3):363-370.](https://www.ncbi.nlm.nih.gov/pubmed/30571166)
18. [Billings ME, Johnson DA, Simonelli G. Moore K, Patel SR, Diez Roux AV, Redline S. Neighborhood Walking Environment and Activity Level Are Associated with OSA: The Multi-Ethnic Study of Atherosclerosis. *Chest*. 2016;150(5):1042-1049.](https://www.ncbi.nlm.nih.gov/pubmed/27327117)
19. [Bittencourt MS, Blaha MJ, Blankstein R, Budoff M, Vargas JD, Blumenthal RS, Agatston A, Nasir K. Polypill Therapy, Subclinical Atherosclerosis, and Cardiovascular Events – Implications for the Use of Preventive Pharmacotherapy: MESA (Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2014;63(5):434-443.](http://www.ncbi.nlm.nih.gov/pubmed/24161320)
20. [Bittencourt MS, Blankstein R, Blaha MJ, Sandfort V, Agatston AS, Budoff MJ, Blumenthal RS, Kurmholz HM, Nasir K. Implications of coronary artery calcium testing on risk stratification for lipid- lowering therapy according to the 2016 European Society of Cardiology recommendations: The MESA study. *Eur J Prev Cardiol*. 2018;25(17):1887-1898.](https://www.ncbi.nlm.nih.gov/pubmed/30043629)
21. [Bittencourt MS, Blankstein R, Mao S, Rivera JJ, Bertoni AG, Shaw LJ, Blumenthal RS, Budoff MJ, Nasir K. Left ventricular area on non-contrast cardiac computed tomography as a predictor of incident heart failure - The Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomogr*. 2016;10(6):500-506.](https://www.ncbi.nlm.nih.gov/pubmed/27499493)
22. [Blaha MJ, Budoff MJ, Defilippis AP, Blankstein R, Rivera JJ, Agatston A, O’Leary DH, Lima J, Blumenthal RS, Nasir K. Association between c-reactive protein, coronary artery calcium, and cardiovascular events: implications for the JUPITER population from MESA, a population-based cohort study. *Lancet*. 2011;378(9792):684-692.](http://www.ncbi.nlm.nih.gov/pubmed/21856482)
23. [Blaha MJ, Budoff MJ, Rivera JJ, Katz R, O’Leary DH, Polak JF, Takasu J, Blumenthal RS, Nasir K. Relationship of Carotid Distensibility and Thoracic Aorta Calcification: Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2009;54(6):1408-1415.](http://www.ncbi.nlm.nih.gov/pubmed/19805639?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)
24. [Blaha MJ, Budoff MJ, Tota-Maharaj R, Dardari ZA, Wong ND, Kronmal RA, Eng J, Post WS, Blumenthal RS, Nasir K. Improving the CAC Score by Addition of Regional Measures of Calcium Distribution: Multi-Ethnic Study of Atherosclerosis. *JACC Cardiovasc Imaging*. 2016;9(12):1407-1416.](https://www.ncbi.nlm.nih.gov/pubmed/27085449)
25. [Blaha MJ, Cainzos-Achirica M, Greenland P, McEvoy JW, Blankstein R, Budoff MJ, Dardari Z, Sibley CT, Burke GL, Kronmal RA, Szklo M, Blumenthal RS, Nasir K. Role of Coronary Artery Calcium Score of Zero and Other Negative Risk Markers for Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*. 2016;133(9):849-858.](http://www.ncbi.nlm.nih.gov/pubmed/26801055)
26. [Blaha MJ, Defilippis AP, Rivera JJ, Budoff MJ, Blankstein R, Agatston A, Szklo M, Lakoski SG, Bertoni AG, Kronmal RA, Blumenthal RS, Nasir K. The Relationship Between Insulin Resistance and Incidence and Progression of Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2011;34(3):749-751.](http://www.ncbi.nlm.nih.gov/pubmed/21292863)
27. [Blaha MJ, Naazie IN, Cainzos-Achirica M, Dardari ZA, DeFilippis AP, McClelland RL, Mirbolouk M, Orimoloye OA, Dzaye O, Nasir K, Page JH. Derivation of Coronary Age Calculator Using Traditional Risk Factors and Coronary Artery Calcium: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2021;10(6):e019351. doi: 10.1161/JAHA.120.019351.](https://pubmed.ncbi.nlm.nih.gov/33663219/)
28. [Blaha MJ, Rivera JJ, Budoff MJ, Blankstein R, Agatston A, O’Leary DH, Cushman M, Lakoski S, Criqui MH, Szklo M, Blumenthal RS, Nasir K. Association Between Obesity, High-Sensitivity C-Reactive Protein >=2 mg/L, and Subclinical Atherosclerosis: Implications of JUPITER from the Multi-Ethnic Study of Atherosclerosis (MESA). *Arterioscler Thromb Vasc Biol*. 2011;31(6):1430-1438.](http://www.ncbi.nlm.nih.gov/pubmed/21474823)
29. [Blankstein R, Budoff MJ, Shaw LJ, Goff DC Jr, Polak JF, Lima J, Blumenthal RS, Nasir K. Predictors of Coronary Heart Disease Events Among Asymptomatic Persons With Low Low-Density Lipoprotein Cholesterol MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2011;58(4):364-374.](http://www.ncbi.nlm.nih.gov/pubmed/21757113)
30. [Block R, Kakinami L, Liebman S, Shearer GC, Kramer H, Tsai M. Cis-vaccenic acid and the Framingham risk score predict chronic kidney disease: The multi-ethnic study of atherosclerosis (MESA). *Prostaglandins Leukot Essent Fatty Acids*. 2012;86(4-5):175-182.](http://www.ncbi.nlm.nih.gov/pubmed/22417701)
31. [Block RC, Liu L, Herrington DM, Huang S, Tsai MY, O’Connell TD, Shearer GC. Predicting Risk for Incident Heart Failure With Omega-3 Fatty Acids: From MESA. *JACC Heart Fail*. 2019;7(8):651-661.](https://www.ncbi.nlm.nih.gov/pubmed/31302044)
32. [Blondon M, Cushman M, Jenny N, Michos ED, Smith NL, Kestenbaum B, de Boer IH. Associations of Serum 25-Hydroxyvitamin D With Hemostatic and Inflammatory Biomarkers in the Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2016;101(6):2348-2357.](http://www.ncbi.nlm.nih.gov/pubmed/27023449)
33. [Blondon M, Sachs M, Hoofnagle AN, Ix JH, Michos ED, Korcarz C, Gepner AD, Siscovick DS, Kaufman JD, Stein JH, Kestenbaum B, de Boer IH. 25-hydroxyviatim d and parathyroid hormone are not associated with carotid intima-media thickness or plaque in the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2013;33(11):2639-2645.](http://www.ncbi.nlm.nih.gov/pubmed/23814117)
34. [Bloomfield GS, Yi SS, Astor BC, Kramer H, Shea S, Shlipak MG, Post WS. Blood pressure and chronic kidney disease progression in a multi-racial cohort: the Multi-Ethnic Study of Atherosclerosis. *J Hum Hypertens*. 2013;27(7):421-426.](http://www.ncbi.nlm.nih.gov/pubmed/23407373)

1. [Bluemke DA, Kronmal RA, Lima JA, Liu K, Olson J, Burke GL, Folsom AR. The relationship of left ventricular mass and geometry to incident cardiovascular events: the MESA (Multi-Ethnic Study of Atherosclerosis) study. *J Am Coll Cardiol*. 2008;52(25):2148-2155.](http://www.ncbi.nlm.nih.gov/pubmed/19095132?ordinalpos=45&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
2. [Boerwinkle E, Feofanova EV, Brown MR, Alkis T, Manuel AM, Li X, Tahir UA, Li Z, Mendez KM, Kelly RS, Qi Q, Chen H, Larson MG, Lemaitre RN, Morrison AC, Grieser C, Wong KE, Gersztern RE, Zhao A, Lasky-Su J; NHLBI Trans-Omics for Precision Medicine (TOPMed); Yu B. Whole-Genome Sequencing Analysis of Human Metabolome in Multi-Ethnic Populations. *Nat Commun*. 2023;14(1):3111. doi: 10.1038/s41467-023-38800-2.](https://pubmed.ncbi.nlm.nih.gov/37253714/)
3. [Bomback AS, Katz R, He K, Shoham DA, Burke GL, Klemmer PJ. Sugar-sweetened beverage consumption and the progression of chronic kidney disease in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr*. 2009;90(5):1172-1178.](http://www.ncbi.nlm.nih.gov/pubmed/19740973?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
4. [Boone SC, van Smeden M, Rosendaal FR, le Cessie S, Groenwold RHH, Jukema JW, van Dijk KW, Lamb HJ, Greenland P, Neeland IJ, Allison MA, Criqui MH, Budoff MJ, Lind LL, Kulberg J, Ahlstrom H, Mook-Kanomori DO, de Mutsert R. Evaluation of the Value of Waist Circumference and Metabolomics in the Estimation of Visceral Adipose Tissue. *Am J Epidemiol*. 2022;191(5):886-899.](https://pubmed.ncbi.nlm.nih.gov/35015809/)
5. [Borker PV, Reid M, Sofer T, Butler MP, Azarbarzin A, Wang H, Wellman A, Sands SA, Redline S. Non-REM Apnea and Hypopnea Duration Varies across Population Groups and Physiologic Traits. *Am J Respir Crit Care Med*. 2021;203(9):1173-1182.](https://pubmed.ncbi.nlm.nih.gov/33285084/)
6. [Borrell LN, Diez Roux AV, Jacobs DR Jr, Shea S, Jackson SA, Shrager S. Blumenthal RS. Perceived racial/ethnic discrimination, smoking and alcohol consumption in the Multi-Ethnic Study of Atherosclerosis (MESA). *Prev Med*. 2010;51(3-4):307-312.](http://www.ncbi.nlm.nih.gov/pubmed/20609433)
7. [Bortnick AE, Buzkova P, Otvos JD, Jensen MK, Tsai MY, Budoff MJ, Mackey RH, El Khoudary SR, Favari E, Kim RS, Rodriguez CJ, Thanassoulis G, Kizer JR. High-Density Lipoprotein and Long-Term Incidence and Progression of Aortic Valve Calcification: The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2022;42(10):1272-1282.](https://pubmed.ncbi.nlm.nih.gov/35979837/)
8. [Bortnick AE, Xu S, Kim RS, Kestenbaum B, Ix JH, Jenny NS, de Boer IH, Michos ED, Thanassoulis G, Siscovick DS, Budoff MJ, Kizer JR. Biomarkers of mineral metabolism and progression of aortic valve and mitral annular calcification: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2019;285:79-86.](https://www.ncbi.nlm.nih.gov/pubmed/31048102)
9. [Bosworth C, Sachs MC, Duprez D, Hoofnagle AN, Ix JH, Jacobs DR Jr, Peralta CA, Siscovick, DS, Kestenbaum B, de Boer, IH. Parathyroid hormone and arterial dysfunction in the multi-ethnic study of atherosclerosis. *Clin Endocrinol (Oxf)*. 2013;79(3):429-436.](http://www.ncbi.nlm.nih.gov/pubmed/23402353)
10. [Bowler RP, Hill AC, Guo C, Litkowski EM, Manichaikul AW, Yu B, Konigsberg IR, Gorbet BA, Lange LA, Pratte KA, Kechris KJ, DeCamp M, Coors M, Ortega VE, Rich SS, Rotter JI, Gerzsten RE, Clish CB, Curtis JL, Hu X, Obeidat ME, Morris M, Loureiro J, Ngo D, O’Neal WK, Meyers DA, Bleeker ER, Hobbs BD, Cho MH, Banaei-Kashani F. Large scale proteomic studies create privacy considerations. *Sci Rep*. 2023;13(1):9254. doi: 10.1038/s41598-023-34866-6.](https://pubmed.ncbi.nlm.nih.gov/37286633/)
11. [Boykin S, Diez-Roux AV, Carnethon M, Shrager S, Ni H, Whitt-Glover M. Racial/ethnic Heterogeneity in the Socioeconomic Patterning of CVD Risk Factors: in the United States: The Multi-Ethnic Study of Atherosclerosis. *J Health Care Poor Underserved*. 2011;22(1):111-127.](http://www.ncbi.nlm.nih.gov/pubmed/21317510)
12. [Bradley R, Fitzpatrick AL, Jenny NS, Lee DH, Jacobs DR Jr. Associations between total serum GGT activity and metabolic risk: MESA. *Biomark Med*. 2013;7(5):709-721.](http://www.ncbi.nlm.nih.gov/pubmed/24044563)
13. [Bradley RD, Fitzpatrick AL, Jacobs DR Jr, Lee DH, Swords Jenny N, Herrington D. Associations between y-glutamyltransferase (GGT) and biomarkers of atherosclerosis: The multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2014;233(2):387-393.](http://www.ncbi.nlm.nih.gov/pubmed/24530768)
14. [Brenner AB, Borrell LN, Barrientos-Gutierrez T, Diez Roux AV. Longitudinal associations of neighborhood socioeconomic characteristics and alcohol availability on drinking: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Soc Sci Med*. 2015;145:17-25.](http://www.ncbi.nlm.nih.gov/pubmed/26439763)
15. [Brenner AB, Diez Roux AV, Barrientos-Gutierrez T, Borrell LN. Association of Alcohol Availability and Neighborhood Socioeconomic Characteristics With Drinking: Cross-Sectional Results From the Multi-Ethnic Study of Atherosclerosis (MESA). *Subst Use Misuse*. 2015;50(12):1606-1617.](https://www.ncbi.nlm.nih.gov/pubmed/26579610)
16. [Brenowitz WD, Zeki Al Hazzouri A, Vittinghoff E, Golden SH, Fitzpatrick AL, Yaffe K. Depressive Symptoms Imputed Across the Life Course Are Associated with Cognitive Impairment and Cognitive Decline. *J Alzheimer’s Dis*. 2021;83(3):1379-1389.](https://pubmed.ncbi.nlm.nih.gov/34420969/)
17. [Briceño EM, Gross AL, Giordani BJ, Manly JJ, Gottesman RF, Elkind MSV, Sidney S, Hingtgen S, Sacco RL, Wright CB, Fitzpatrick A, Fohner AE, Mosley TH, Yaffe K, Levine DA. Pre-Statistical Considerations for Harmonization of Cognitive Instruments: Harmonization of ARIC, CARDIA, CHS, MESA and NOMAS. *J Alzheimers Dis*. 2021;83(4):1803-1813.](https://pubmed.ncbi.nlm.nih.gov/34459397/)
18. [Brinkley TE, Hsu FC, Carr JJ, Hundley WG, Bluemke DA, Polak JF, Ding J. Percardial fat is associated with carotid stiffness in the Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2011;21(5):332-338.](http://www.ncbi.nlm.nih.gov/pubmed/20153618?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)
19. [Brinkley TE, Jerosch-Herold M, Folsom AR, Carr JJ, Hundley WG, Allison MA, Bluemke DA, Burke GL, Szklo M, Ding J. Pericardial fat and myocardial perfusion in asymptomatic adults from the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2011;6(12):e28410. doi: 10.1371/journal.pone.0028410.](http://www.ncbi.nlm.nih.gov/pubmed/22174800)
20. [Broni EK, Ogunmoroti O, Osibogun O, Echouffo-Tcheugui JB, Chevli PA, Shapiro MD, Ndumele CE, Michos ED. Ideal Cardiovascular Health and Adipokine Levels: The Multi-Ethnic Study of Atherosclerosis. *Endocr Pract*. 2023;29(6):456-464.](https://pubmed.ncbi.nlm.nih.gov/37028649/)
21. [Broni EK, Ogunmoroti O, Quispe R, Sweeney T, Varma B, Fashanu OE, Lutsey PL, Allison M, Szklo M, Ndumele CE, Michos ED. Adipokines and incident venous thromboembolism: The Multi-Ethnic Study of Atherosclerosis. *J Thromb Haemost*. 2023;21(2):303-310.](https://pubmed.ncbi.nlm.nih.gov/36700499/)
22. [Broughton ST, O’Neal WT, Al-Mallah M, Bluemke DA, Heckbert SR, Lima JAC, Soliman EZ. Normal findings on noninvasive cardiac assessment and the prediction of heart failure: The Multi-Ethnic Study of Atherosclerosis (MESA). *Int J Cardiol*. 2017;249:308-312.](https://www.ncbi.nlm.nih.gov/pubmed/29121731)
23. [Brown BC, Wang C, Kasela S, Aguet F, Nachun DC, Taylor KD, Tracy RP, Durda P, Liu Y, Johnson WC, Van Den Berg D, Gupta N, Gabriel S, Smith JD, Gerzsten R, Clish C, Wong Q, Papanicolau G, Blackwell TW, Rotter JI, Rich SS, Barr RG, Ardlie KG, Knowles DA, Lappalainen T. Multiset correlation and factor analysis enables exploration of multi-omics data. *Cell Genom*. 2023;3(8):100359. doi: 10.1016/j.xgen.2023.100359. eCollection 2023 Aug 9.](https://pubmed.ncbi.nlm.nih.gov/37601969/)
24. [Brown ER, Kronmal RA, Bluemke DA, Guerci AD, Carr JJ, Goldin J, Detrano R. Coronary Calcium Coverage Score: Determination, Correlates and Predictive Accuracy in the Multi-Ethnic Study of Atherosclerosis. *Radiology*. 2008;247(3):669-675.](http://www.ncbi.nlm.nih.gov/pubmed/18413889?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
25. [Brown J, de Boer IH, Robinson-Cohen C, Siscovick DS, Kestenbaum B, Allison M, Vaidya A. Aldosterone, Parathyroid Hormone, and the Use of Renin-Angiotensin-Aldosterone System Inhibitors: The Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2015;100(2):490-499.](http://www.ncbi.nlm.nih.gov/pubmed/25412416)
26. [Brown JM, Robinson-Cohen C, Luque-Fernandez MA, Allison MA, Baudrand R, Ix JH, Kestenbaum B, de Boer IH, Vaidya A. The Spectrum of Subclinical Primary Aldosteronism and Incident Hypertension: A Cohort Study. *Ann Intern Med*. 2017;167(9):630-641.](https://www.ncbi.nlm.nih.gov/pubmed/29052707)
27. [Brown KM, Diez-Roux AV, Smith JA, Needham BL, Mukherjee B, Ware EB, Liu Y, Cole SW, Seeman TE, Kardia SLR. Expression of socially sensitive genes: The multi-ethnic study of atherosclerosis. *PLoS One*. 2019;14(4):e0214061. doi: 10.1371/journal.pone.0214061. eCollection 2019.](https://www.ncbi.nlm.nih.gov/pubmed/30973896)
28. [Brown KM, Diez-Roux AV, Smith JA, Needham BL, Mukherjee B, Ware EB, Liu Y, Cole SW, Seeman TE, Kardia SLR. Social Regulation of Inflammation Related Gene Expression in the Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2020;117:104654. doi: 10.1016/j.psyneuen.2020.104654.](https://pubmed.ncbi.nlm.nih.gov/32387875/)
29. [Brown R, Hailu EM, Needham BL, Diez Roux A, Seeman TE, Lin J, Mujahid MS. Neighborhood social environment and changes in leukocyte telomere length: The Multi-Ethnic Study of Atherosclerosis (MESA). *Health Place*. 2021;67:102488. doi: 10.1016/j.healthplace.2020.102488.](https://pubmed.ncbi.nlm.nih.gov/33276262/)
30. [Brumback LC, Andrews LI, Jacobs DR, Duprez D, Hom Thepaksorn EK, Kaurman JD, Denenberg J, Allison M. Reproducibility of PTC1 and PTC2, indices of arterial compliance, from the radial artery waveform: The Multi-Ethnic Study of Atherosclerosis. *Vasc Med*. 2023;28(2):141-143.](https://pubmed.ncbi.nlm.nih.gov/36721317/)
31. [Brumback LC, Andrews LIB, Jacobs Jr DR, Duprez DA, Hom Thepaksorn E, Kaufman JD, Denenberg JO, Allison MA. The association between arterial compliance, as assessed by PTC1 and PTC2 from radial artery waveforms, and age, sex, and race/ethnicity. *J Hypertens*. 2023;41(7):1117-1126.](https://pubmed.ncbi.nlm.nih.gov/37071438/)
32. [Brumback LC, Andrews LIB, Jacobs Jr DR, Duprez DA, Shah SJ, Dougherty CM, Denenbert JO, Allison MA. The association between indices of blood pressure waveforms (PTC1 and PTC2) and incident heart failure. *J Hypertens*. 2021;39(4):661-666.](https://pubmed.ncbi.nlm.nih.gov/33239550/)
33. [Brumback LC, Jacobs DR Jr, Dermond N, Chen H, Duyprez DA. Reproducibility of arterial elasticity parameters derived from the radial artery diastolic pulse contour analysis: the multi-ethnic study of atherosclerosis. *Blood Press Monit*. 2010;15(6):312-315.](http://www.ncbi.nlm.nih.gov/pubmed/20890179)
34. [Brumback LC, Jacobs DR, Duprez DA. PTC1 and PTC2: New Indices of Blood Pressure Waveforms and Cardiovascular Disease. *Am J Epidemiol*. 2020;189(7):726-734.](https://pubmed.ncbi.nlm.nih.gov/31907510/)
35. [Brumback LC, Kronmal R, Heckbert SR, Ni H, Hundley WG, Lima JA, Bluemke DA. Body size adjustments for left ventricular mass by cardiovascular magnetic resonance and their impact on left ventricular hypertrophy classification. *Int J Cardiovasc Imaging*. 2010;26(4):459-468.](http://www.ncbi.nlm.nih.gov/pubmed/20107905)
36. [Brumback LC, Tommet D, Kronmal R. Lack of Fit in Self Modeling Regression: Application to Pulse Waveforms. *Int J Biostat*. 2010;6(1):Article4.](http://www.ncbi.nlm.nih.gov/pubmed/20305704)
37. [Budoff MJ, Katz R, Wong ND, Nasir K, Mao SS, Takasu J, Kronmal R, Detrano RC, Shavelle DM, Blumenthal RS, O’Brien KD, Carr JJ. Effect of Scanner Type on the Reproducibility of Extracoronary Measures of Calcification: The Multi-Ethnic Study of Atherosclerosis. *Acad Radiol.* 2007;14(9):1043-1049.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17707311&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
38. [Budoff MJ, McClelland RL, Chung H, Wong ND, Carr JJ, Gray MM, Blumenthal RS, Detrano RC. Reproducibility of Coronary Artery Calcified Plaque with Cardiac 64-MDCT: The Multi-Ethnic Study of Atherosclerosis. *Am J Roentgenol*. 2009;192(3):613-617.](http://www.ncbi.nlm.nih.gov/pubmed/19234254?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
39. [Budoff MJ, McClelland RL, Nasir K, Greenland P, Kronmal RA, Kondos GT, Shea S, Lima JA, Blumenthal RS. Cardiovascular events with absent or minimal coronary calcification: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2009;158(4):554-561.](http://www.ncbi.nlm.nih.gov/pubmed/19781414?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
40. [Budoff MJ, Mölenkamp S, McClelland R, Delaney JA, Bauer M, Jöcjek HK, Kälsch H, Kronmal R, Nasir K, Lehmann N, Moebus S, Mukamal K, Erbel R; Multi-Ethnic Study of Atherosclerosis and the Investigator Group of the Heinz Nixdorf RECALL Study. A comparison of outcomes with coronary artery calcium scanning in unselected populations: The Multi-Ethnic Study of Atherosclerosis (MESA) and Heinz Nixdorf RECALL study (HNR). *J Cardiovasc Comput Tomogr*. 2013;7(3):182-191.](http://www.ncbi.nlm.nih.gov/pubmed/23849491)
41. [Budoff MJ, Nasir K, Katz R, Takasu J, Carr JJ, Wong ND, Allison M, Lima JA, Detrano R, Blumenthal RS, Kronmal R. Thoracic aortic calcification and coronary heart disease events: The multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2011;215(1):196-202.](http://www.ncbi.nlm.nih.gov/pubmed/21227418)
42. [Budoff MJ, Nasir K, McClelland RL, Detrano R, Wong N, Blumenthal RS, Kondos G, Kronmal RA. Coronary Calcium Predicts Events Better With Absolute Calcium Scores Than Age-Sex-Race/Ethnicity Percentiles: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2009;53(4):345-352.](http://www.ncbi.nlm.nih.gov/pubmed/19161884?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
43. [Budoff MJ, Takasu J, Katz R, Mao S, Shavelle DM, O'Brien KD, Blumenthal RS, Carr JJ, Kronmal R. Reproducibility of CT measurements of aortic valve calcification, mitral annulus calcification, and aortic wall calcification in the multi-ethnic study of atherosclerosis. *Acad Radiol*. 2006;13(2):166-172.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16428051&query_hl=31&itool=pubmed_docsum)
44. [Budoff MJ, Young R, Burke G, Jeffrey Carr J, Detrano RC, Folsom AR, Kronmal R, Lima JAC, Liu KJ, McClelland RL, Michos E, Post WS, Shea S, Watson KE, Wong ND. Ten-year association of coronary artery calcium with atherosclerotic cardiovascular disease (ASCVD) events: the multi-ethnic study of atherosclerosis (MESA). *Eur Heart J*. 2018;39(25):2401-2408.](https://www.ncbi.nlm.nih.gov/pubmed/29688297)
45. [Budoff MJ, Young R, Lopez VA, Kronmal RA, Nasir K, Blumenthal RS, Detrano RC, Bild DE, Guerci AD, Liu K, Shea S, Szklo M, Post W, Lima J, Bertoni A, Wong ND. Progression of Coronary Calcium and Incident Coronary Heart Disease Events: The Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2013;61(12):1231-1239.](http://www.ncbi.nlm.nih.gov/pubmed/23500326)
46. [Bui AL, Katz R, Kestenbaum B, de Boer IH, Fried LF, Polak JF, Wasserman BA, Sarnak MJ, Siscovick D, Shlipak MG. Cystatin C and Carotid Intima-Media Thickness in Asymptomatic Adults: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2009;53(3):389-398.](http://www.ncbi.nlm.nih.gov/pubmed/18823684?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
47. [Bundy JD, Heckbert SR, Chen LY, Lloyd-Jones DM, Greenland P. Evaluation of Risk Prediction Models of Atrial Fibrillation (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2020;125(1):55-62.](https://www.ncbi.nlm.nih.gov/pubmed/31706453)
48. [Bundy JD, Rahman M, Matsushita K, Jaeger BC, Cohen JB, Chen J, Deo R, Dobre MA, Feldman HI, Flack J, Kallem RR, Lash JP, Seliger S, Shafi T, Weiner SJ, Wolf M, Yang W, Allen NB, Bansal N, He J, CRIC Study Investigators. Risk Prediction Models for Atherosclerotic Cardiovascular Disease in Patients with Chronic Kidney Disease: The CRIC Study. *J Am Soc Nephrol*. 2022;33(3):601-611.](https://pubmed.ncbi.nlm.nih.gov/35145041/)
49. [Burkart KM, Manichaikul A, Wilk JB, Ahmed FS, Burke GL, Enright P, Hansel NN, Haynes D, Heckbert SR, Hoffman EA, Kaufman JD, Kurai J, Loehr L, London SJ, Meng Y, O’Connor GT, Oelsner E, Petrini M, Pottinger TD, Powell DA, Redline S, Rotter JI, Smith LJ, Soler Artigas M, Tobin MD, Tsai MY, Watson K, White W, Young TR, Rich SS, Barr RG. APOM and high-density lipoprotein cholesterol are associated with lung function and per cent emphysema. *Eur Respir J*. 2014;43(4):1003-1017.](https://www.ncbi.nlm.nih.gov/pubmed/23900982)
50. [Burkart KM, Sofer T, London SJ, Manichaikul A, Hartwig FP, Yan Q, Sofer Artigas M, Avila L, Chen W, Davis Thomas S, Diaz AA, Hall IP, Horta BL, Kaplan RC, Laurie CC, Menezes AM, Morrison JV, Oelsner EC, Rastogi D, Rich SS, Soto-Quiros M, Stilp AM, Tobin MC, Wain LV, Celedon JC, Barr RG. A Genome-wide Association Study of Hispanics/Latinos Identifies Novel Signals for Lung Function. The Hispanic Community Health Study/Study of Latinos. *Am J Respir Crit Care Med*. 2018;198(2):208-219.](https://www.ncbi.nlm.nih.gov/pubmed/29394082)
51. [Burke GL, Bertoni AG, Shea S, Tracy R, Watson KE, Blumenthal RS, Chung H, Carnethon MR. The Impact of Obesity on Cardiovascular Disease Risk Factors and Subclinical Vascular Disease. The Multi-Ethnic Study of Atherosclerosis. *Arch Intern Med*. 2008;168(9):928-935.](http://www.ncbi.nlm.nih.gov/pubmed/18474756?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
52. [Burnett-Hartman AN, Fitzpatrick AL, Gao K, Jackson SA, Schreiner PJ. Supplement Use Contributes to Meeting Recommended Dietary Intakes for Calcium, Magnesium and Vitamin C in Four Ethnicities of Middle-Aged and Older Americans: The Multi-Ethnic Study of Atherosclerosis. *J Am Diet Assoc*. 2009;109(3):422-429.](http://www.ncbi.nlm.nih.gov/pubmed/19248857?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
53. [Buschur KL, Pottinger TD, Vogel-Claussen J, Powell CA, Aguet F, Allen NB, Ardlie K, Bluemke DA, Durda P, Hermann EA, Hoffman EA, Lima JAC, Liu Y, Malinsky D, Manichaikul A, Motahari A, Post WS, Prince MR, Rich SS, Rotter JI, Smith BM, Tracy RP, Watson K, Winther HB, Lappalainen T, Barr RG. Peripheral Blood Mononuclear Cell Gene Expression Associated with Pulmonary Microvascular Perfusion: The Multi-Ethnic Study of Atherosclerosis Chronic Obstructive Pulmonary Disease Study. *Ann Am Thorac Soc*. 2024 Feb 9. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38335160/)
54. [Buschur KL, Riley C, Saferali A, Castaldi P, Zhang G, Aguet F, Ardlie KG, Durda P, Johnson WC, Kasela S, Liu Y, Manichaikul A, Rich SS, Rotter JI, Smith J, Taylor KD, Tracy RP, Luappalainen T, Barr RG, Sciurba F, Hersh CP, Venos PV. Distinct COPD subtypes in former smokers revealed by gene network perturbation analysis. *Respir Res*. 2023;24(1):30. doi: 10.1186/s12931-023-02316-6.](https://pubmed.ncbi.nlm.nih.gov/36698131/)
55. Butler L, Karabayir I, Kitzman DW, Alonso A, Tison GH, Chen LY, Chang PP, Clifford G, Soliman EZ, Akbilgic O. A generalizable electrocardiogram-based artificial intelligence model for 10-year heart failure risk prediction. *Cardiovascular Digital Health Journal*. (In press)

1. [Cade BE, Chen H, Stilp AM, Gleason KJ, Sofer T, Ancoli-Israel S, Arens R, Bell GI, Below JE, Bjonnes AC Chun S, Conomos MP, Evans DS, Johnson WC, Frazier-Wood AC, Lane JM, Larkin EK, Loredo JS, Post WS, Ramos AR, Rice K, Rotter JI, Shah NA, Stone KL, Taylor KD, Thornton TA, Tranah GJ, Wang C, Zee PC, Hanis CL, Sunyaev SR, Patel SR, Laurie CC, Zhu X, Saxena R, Lin X, Redline S. Genetic Associations with Obstructive Sleep Apnea Traits in Hispanic/Latino Americans. *AM J Respir Crit Care Med*. 2016;194(7):886-897.](https://www.ncbi.nlm.nih.gov/pubmed/?term=26977737)

1. [Cade BE, Chen H, Stilp AM, Louie T, Ancoli-Israel S, Arens R, Barfield R, Below JE, Cai J, Conomos MP, Evans DS, Frazier-Wood AC, Gharib SA Gleason KJ, Gottlieb DJ, Hillman DR, Johnson WC, Lederer DJ, Lee J, Loredo JS, Mei H, Mukherjee S, Patel SR, Post WS, Purcell SM, Ramos AR, Reid KJ, Rice K, Rotter JI, Shah NA, Sofer T, Taylor KD, Thornton TA, Wang H, Yaffe K, Zee PC, Hanis CL, Palmer LJ, Rotter JI, Stone KL, Tranah GJ, Wilson JG, Sunyaev SR, Laurie CC, Zhu X, Saxena R, Lin X, Redline S. Associations of variants in the hexokinase 1 and interleukin 18 receptor regions with oxyhemoglobin saturation during sleep.](https://www.ncbi.nlm.nih.gov/pubmed/30990817) *[PLoS Genet](https://www.ncbi.nlm.nih.gov/pubmed/30990817)*[. 2019;15(4):e1007739. doi: 10.1371/journal.pgen.1007739. eCollection 2019 Apr.](https://www.ncbi.nlm.nih.gov/pubmed/30990817)
2. [Cade BE, Lee J, Sofer T, Wang H, Zhang M, Chen H, Gharib SA, Gottlieb DJ, Guo X, Lane JM, Liang J, Lin X Mei H, Patel SR, Purcell SM, Saxena R, Shah NA, Evans DS, Hanis CL, Hillman DR, Mukherjee S, Palmer LJ, Stone KL, Tranah GJ, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Abecasis GR, Boerwinkle EA, Correa A, Cupples LA, Kaplan RC, Nickerson DA, North KE, Psaty BM, Rotter JI, Rich SS, Tracy RP, Vasan RS, Wilson JG, Zhu X, Redline S, TOPMed Sleep Working Group. Whole-genome association analyses of sleep-disordered breathing phenotypes in the NHLBI TOPMed program. *Genome Med*. 2021;13(1):136. doi: 10.1186/s13073-021-00917-8.](https://pubmed.ncbi.nlm.nih.gov/34446064/)
3. [Cai X, Allison MA, Ambale-Venkatesh B, Jorgensen NW, Lima JAC, Muse ED, McClelland, Shea S, Lebeche D. Resistin and risks of incident heart failure subtypes and cardiac fibrosis: the Multi-Ethnic Study of Atherosclerosis. *ESC Heart Fail*. 2022;9(5):3452-3460.](https://pubmed.ncbi.nlm.nih.gov/35860859/)
4. [Cainzos-Achirica M, Acquah I, Dardari Z, Mszar R, Greenland P, Blankstein R, Bittencourt M, Rajagopalan S, Al-Kindi SG Polak JF, Blumenthal RS, Blaha MJ, Nasir K. Long-Term Prognostic Implications and Role of Further Testing in Adults Aged <55 Years With a Coronary Calcium Score of Zero (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2021;161:26-35.](https://pubmed.ncbi.nlm.nih.gov/34794615/)
5. [Cainzos-Achirica M, Bittencourt MS, Osei AD, Haque W, Bhatt DL, Blumenthal RS, Blankstein R, Ray KK, Blaha MJ, Nasir K. Coronary Artery Calcium to Improve the Efficiency or Randomized Controlled Trials in Primary Cardiovascular Prevention. *JACC Cardiovasc Imaging*. 2021;14(5):1005-1016.](https://pubmed.ncbi.nlm.nih.gov/33221237/)
6. [Cainzos-Achirica M, Enjuanes C, Greenland P, McEvoy JW, Cushman M, Dardari Z, Nasir K, Budoff MJ, Al-Mallah MH, Yeboah J, Miedema MD, Blumenthal RS, Comin-Colet J, Blaha MJ. The prognostic value of interleukin 6 in multiple chronic diseases and all-cause death: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2018;278:217-225.](https://www.ncbi.nlm.nih.gov/pubmed/30312930)
7. [Cainzos-Achirica M, Miedema MD, McEvoy JW, Al Rifai M, Greenland P, Dardari Z, Budoff M, Blumenthal RS, Yeboah J, Duprez DA, Mortensen MB, Dzaye O, Hong J, Nasir K, Blaha MJ. Coronary Artery Calcium for Personalized Allocation of Aspirin in Primary Prevention of Cardiovascular Disease in 2019: The MESA Study (Multi-Ethnic Study of Atherosclerosis). *Circulation*. 2020;141(19):1541-1533.](https://www.ncbi.nlm.nih.gov/pubmed/32233663)
8. [Cainzos-Achirica M, Miedema MD, McEvoy JW, Cushman M, Dardari Z, Greenland P, Nasir K, Budoff MJ, Al-Mallah MH, Yeboah J, Blumenthal RS, Comin-Colet J, Blaha MJ. The prognostic value of high sensitivity C-reactive protein in a multi-ethnic population after >10 years of follow-up: The Multi-Ethnic Study of Atherosclerosis (MESA). *Int J Cardiol*. 2018;264:158-164.](https://www.ncbi.nlm.nih.gov/pubmed/29776564)
9. [Cainzos-Achirica M, Patel KV, Quispe R, Joshi PH, Khera A, Ayers C, Lima JAC, Rana JS, Greenland P, Bittencourt MS, Cardoso R, Blankstein R, Blumenthal RS, Blaha MJ, Nasir K. Coronary Artery Calcium for the Allocation of GLP-1RA for Primary Prevention of Atherosclerotic Cardiovascular Disease. *JACC Cardiovasc Imaging*. 2021;14(7):1470-1472.](https://pubmed.ncbi.nlm.nih.gov/33582063/)
10. [Cainzos-Achirica M, Quispe R, Dudum R, Greenland P, Lloyd-Jones D, Rana JS, Lima JAC, Doria de Vasconcellos H, Joshi PH, Khera A, Ayers C, Erbel R, Stang A, Jockel KH, Lehmann N, Schramm S, Schmidt B, Toth PP, Patel KV, Blaha MJ, Bittencourt M, Nasir K. CAC for Risk Stratification Among Individuals With Hypertriglyceridemia Free of Clinical Atherosclerotic Cardiovascular Disease. *JACC Cardiovasc Imaging*. 2022;15(4):641-651.](https://pubmed.ncbi.nlm.nih.gov/34922873/)
11. [Cainzos-Achirica M, Quispe R, Mszar R, Dudum R, Al Rifai M, Erbel R, Stang A, Jockel KH, Lehmann N, Schramm S, Schmidt B, Toth PP, Rana JS, Lima JAC, Doria de Vasconcellos H, Lloyd-Jones D, Joshi PH, Ayers C, Khera A, Blaha MJ, Greenland P, Nasir K. Coronary Artery Calcium Score to Refine the Use of PCSK9i in Asymptomatic Individuals: A Multicohort Study. *J Am Heart Assoc*. 2022;11(16):e025737. doi: 10.1161/JAHA.122.025737.](https://pubmed.ncbi.nlm.nih.gov/35943062/)
12. [Camacho A, Larsen B, McClelland RL, Morgan C, Criqui M, Cushman M, Allison MA. Association of subsyndromal and depressive symptoms with inflammatory markers among different ethnic groups: The multi-ethnic study of atherosclerosis (MESA). *J Affect Disord*. 2014;164C:165-170.](http://www.ncbi.nlm.nih.gov/pubmed/24856570)
13. [Camacho A, McClelland RL, Delaney JA, Allison MA, Psaty BM, Rifkin DE, Rapp SR, Szklo M, Stein MB, Criqui MH. Antidepressant Use and Subclinical Measures of Atherosclerosis: The Multi-Ethnic Study of Atherosclerosis. *J Clin Psychopharmacol*. 2016;36(4):340-346.](http://www.ncbi.nlm.nih.gov/pubmed/27269959)
14. [Cameron NA, Petito LC, McCabe M, Allen NB, O’Brien MJ, Carnethon MR, Khan SS. Quantifying the Sex-Race/Ethnicity-Specific Burden of Obesity on Incident Diabetes Mellitus in the United States, 2001 to 2016: MESA and NHANES. *J Am Heart Assoc*. 2021;10(4):e018799. doi: 10.1161/JAHA.120.018799.](https://pubmed.ncbi.nlm.nih.gov/33563002/)
15. [Campbell CY, Fang BF, Guo X, Peralta CA, Psaty BM, Rich SS, Young JH, Coresh J, Kramer HJ, Rotter JI, Post WS. Associations between Genetic Variants in the ACE, AGT, AGTR1 and AGTR2 Genes and Renal Function in the Multi-Ethnic Study of Atherosclerosis. *Am J Nephrol*. 2010;32(2):156-162.](http://www.ncbi.nlm.nih.gov/pubmed/20606419)
16. [Campbell CY, Thanassoulis G, Owens DS, Smith JG, Smith AV, Peloso GM, Kerr KF, Pechlivanis S, Budoff MJ, Harris TB, Malhotra R, O'Brien KD, Kamstrup PR, Nordestgaard BG, Tybjaerg-Hansen A, Allison MA, Aspelund T, Criqui MH, Heckbert SR, Hwang SJ, Liu Y, Sjogren M, van der Pals J, Kälsch H, Mühleisen TW, Nöthen MM, Cupples LA, Caslake M, Di Angelantonio E, Danesh J, Rotter JI, Sigurdsson S, Wong Q, Erbel R, Kathiresan S, Melander O, Gudnason V, O'Donnell CJ, Post WS; CHARGE Extracoronary Calcium Working Group. Genetic associations with valvular calcification and aortic stenosis. *N Engl J Med*. 2013;368(6):503-512.](http://www.ncbi.nlm.nih.gov/pubmed/23388002)
17. [Campos Cl, Wood A, Burke GL, Bahrami H, Bertoni AG. Dietary Approaches to Stop Hypertension Diet Concordance and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis *Am J Prev Med*. 2019;56(6):819-826.](https://www.ncbi.nlm.nih.gov/pubmed/31003810)
18. [Cannone V, Scott CG, Decker PA, Larson NB, Palmas W, Taylor KD, Wang TJ, Gupta DK, Bielinski SJ, Burnett JC Jr. A favorable cardiometabolic profile is associated with the G allele of the genetic variant rs5068 in African Americans: The Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2017;12(12)e0189858. doi: 10.1371/journal.pone.0189858. eCollection 2017.](https://www.ncbi.nlm.nih.gov/pubmed/29253899)
19. [Cao J, Nomura SO, Steffen BT, Guan W, Remaley AT, Karger AB, Ouyang P, Michos ED, Tsai MY. Apolipoprotein B discordance with low-density lipoprotein cholesterol and non-high-density lipoprotein cholesterol in relation to coronary artery calcification in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Clin Lipidol*. 2020;14(1):109-121.](https://www.ncbi.nlm.nih.gov/pubmed/31882375)
20. [Cao J, Remaley AT, Guan W, Devaraj S, Tsai MY. Performance of novel low-density lipoprotein-cholesterol calculation methods in predicting clinical and subclinical atherosclerotic cardiovascular disease risk: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2021;327:1-4.](https://pubmed.ncbi.nlm.nih.gov/34004482/)
21. [Cao J, Steffen BT, Guan W, Remaley AT, McConnell JP, Palamalai V, Tsai MY. A comparison of three apolipoprotein B methods and their associations with incident coronary heart disease risk over a 12-year follow-up period: The Multi-Ethnic Study of Atherosclerosis. *J Clin Lipidol*. 2018;12(2):300-304.](https://www.ncbi.nlm.nih.gov/pubmed/29370999)
22. [Cao J, Steffen BT, Budoff M, Post WS, Thanassoulis G, Kestenbaum B, McConnell JP, Warnick R, Guan W, Tsai MY. Lipoprotein(a) Levels Are Associated With Subclinical Calcific Aortic Valve Disease in White and Black Individuals: The Multi-Ethnic Study of Atherosclerosis. *Aterioscler Thromb Vasc Biol*. 2016;36(5):1003-1009.](http://www.ncbi.nlm.nih.gov/pubmed/26941019)
23. [Cao J, Steffen BT, Guan W, Budoff M, Michos ED, Kizer JR, Post WS, Tsai MY. Evaluation of Lipoprotein(a) Electrophoretic and Immunoassay Methods in Discriminating Risk of Calcific Aortic Valve Disease and Incident Coronary Heart Disease: The Multi-Ethnic Study of Atherosclerosis. *Clin Chem*. 2017;63(11):1705-1713.](https://www.ncbi.nlm.nih.gov/pubmed/28904058)
24. [Captur G, Zemrak F, Muthurangu V, Peterson SE, Li C, Bassett P, Kawel-Boehm N, McKenna WJ, Elliot PM, Lima JA, Bluemke DA, Moon JC. Fractal Analysis of Myocardial Trabeculations in 2547 Study Participants: Multi-Ethnic Study of Atherosclerosis. *Radiology*. 2015;277(3):707-715.](http://www.ncbi.nlm.nih.gov/pubmed/26069924)
25. [Carnethon MR, Bertoni AG, Shea S, Greenland P, Ni H, Jacobs DR, Jr., Saad M, Liu K. Racial/Ethnic differences in subclinical atherosclerosis among adults with diabetes: the multiethnic study of atherosclerosis. *Diabetes Care*. 2005;28(11):2768-2770.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16249554)
26. [Carnethon MR, De Chavez PJ, Biggs ML, Lewis CE, Pankow JS, Bertoni AG, Golden SH, Liu K, Mukamal KJ, Campbell-Jenkins B, Dyer AR. Association of weight status with mortality in adults with incident diabetes. *JAMA*. 2012;308(6):581-590.](http://www.ncbi.nlm.nih.gov/pubmed/22871870)
27. [Carr JJ, Nelson JC, Wong ND, Nitt-Gray M, Arad Y, Jacobs DR, Jr., Sidney S, Bild DE, Williams OD, Detrano RC. Calcified coronary artery plaque measurement with cardiac CT in population-based studies: standardized protocol of Multi-Ethnic Study of Atherosclerosis (MESA) and Coronary Artery Risk Development in Young Adults (CARDIA) study. *Radiology*. 2005;234(1):35-43.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15618373)
28. [Carroll JE, Diez-Roux AV, Adler NE, Seeman TE. Socioeconomic factors and leukocyte telomere length in a multi-ethnic sample: Findings from the multi-ethnic study of atherosclerosis (MESA). *Brain Behav Immun*. 2013;28:108-114.](http://www.ncbi.nlm.nih.gov/pubmed/23142704)
29. [Carroll JE, Diez Roux AV, Fitzpatrick AL, Seeman T. Low social support is associated with shorter leukocyte telomere length in late life: multi-ethnic study of atherosclerosis. *Psychosom Med*. 2013;75(2):171-177.](http://www.ncbi.nlm.nih.gov/pubmed/23370895)
30. [Carroll JE, Irwin MR, Seeman TE, Diez-Roux AV, Prather AA, Olmstead R, Epel E, Lin J, Redline S. Obstructive sleep apnea, nighttime arousals, and leukocyte telomere length: the Multi-Ethnic Study of Atherosclerosis. *Sleep*;42(7). pii: zsz089. doi: 10.1093/sleep/zsz089.](https://www.ncbi.nlm.nih.gov/pubmed/30994174)
31. [Carson AP, Howard G, Burke GL, Shea S, Levitan EB, Munter P. Ethnic differences in hypertension incidence among middle-aged and older adults: the multi-ethnic study of atherosclerosis. *Hypertension*. 2011;57(6):1101-1107.](http://www.ncbi.nlm.nih.gov/pubmed/21502561)
32. [Carter CE, Katz R, Kramer H, de Boer IH, Kestenbaum BR, Peralta CA, Siscovick D, Sarnak MJ, Levey AS, Inker LA, Allison MA, Criqui MH, Shlipak MG, Ix JH. Influence of Urine Creatinine Concentrations on the Relation of Albumin-Creatinine Ratio With Cardiovascular Disease Events: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2013;62(4):722-729.](http://www.ncbi.nlm.nih.gov/pubmed/23830183)
33. [Casas P, Arnett DK, Smith CE, Lai CQ, Parnell LD, Borecki IB, Frazier-Wood AC, Allison M, Chen YD, Taylor KD, Rich SS, Rotter JI, Lee YC, Ordovas JM. Saturated fat intake modulates the association between an obesity genetic risk score and body mass index in two US populations. *J Acad Nutr Diet*. 2014;114(12):1954-1966.](https://www.ncbi.nlm.nih.gov/pubmed/24794412)
34. [Casillas A, Leng M, Liu K, Hernandez A, Shrager S, Kanaya A. A Long Way from Home: Comparing Mental Health Measures between Foreign and U.S. –born Latinos in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Health Care Poor Undeserved*. 2012;23(4):1719-1732.](http://www.ncbi.nlm.nih.gov/pubmed/23698686)
35. [Castagné R, Boulangé CL, Karaman I, Campanella G, Sazntos Ferreira DL, Kaluarachchi MR, Lehne B, Moayyeri A, Lewis MR, Spagou K, Dona AC, Evangelou V, Tracy R, Greenland P, Lindon JC, Herrington D, Ebbels TMD, Elliott P, Tzoulaki J, Chadeau-Hyam M. Improving Visualization and Interpretation of Metabolome-Wide Association Studies: An Application in a Population-Based Cohort Using Untargeted 1H NMR Metabolic Profiling. *J Proteome Res*. 2017;16(10):3623-3633.](https://www.ncbi.nlm.nih.gov/pubmed/28823158)
36. [Castillo E, Osman NF, Rosen BD, El-Shehaby I, Pan L, Jerosch-Herold M, Lai S, Bluemke DA, Lima JA. Quantitative assessment of regional myocardial function with MR-tagging in a multi-center study: interobserver and intraobserver agreement of fast strain analysis with Harmonic Phase (HARP) MRI. *J Cardiovasc Magn Reson.* 2005;7(5):783-791.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16358393&query_hl=17&itool=pubmed_docsum)

1. [Castro-Diehl C, Diez Roux AV, Redline S, Seeman T, McKinley P, Sloan R, Shea S. Sleep Duration and Quality in Relation to Autonomic Nervous System Measures: The Multi-Ethnic Study of Atherosclerosis (MESA). *Sleep*. 2016;39(11):1927-1940.](https://www.ncbi.nlm.nih.gov/pubmed/27568797)
2. [Castro-Diehl C, Diez Roux AV, Redline S, Seeman T, Shrager SE, Shea S. Association of Sleep Duration and Quality With Alterations in the Hypothalamic-Pituitary Adrenocortical Axis: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Clin Endocrinol Metab*. 2015;100(8):3149-3158.](http://www.ncbi.nlm.nih.gov/pubmed/26046965)
3. [Castro-Diehl C, Diez Roux AV, Seeman T, Shea S, Shrager S, Tadros S. Associations of socioeconomic and psychosocial factors with urinary measures of cortisol and catecholamines in the Multi-Ethnic Study of Atherosclerosis (MESA). *Psychoneuroendocrinology.* 2014;41:132-141.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Castro-Diehl+C)
4. [Castro-Diehl C, Smith JA, Zhao W, Wang X, Mukherjee B, Seeman T, Needham BL. Prediction of telomere length and telomere attrition using a genetic risk score: The multi-ethnic study of atherosclerosis (MESA). *Front Aging*. 2022;3:1021051. doi: 10.3389/fragi.2022.1021051. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/36304436/)
5. [Castro-Diehl C, Wood AC, Redline S, Reid M, Johnson DA, Maras JE, Jacobs DR Jr, Shea S, Crawford A, St-Onge MP. Mediterranean diet pattern and sleep duration and insomnia symptoms in the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2018;41(11). doi: 10.1093/sleep/zsy158.](https://www.ncbi.nlm.nih.gov/pubmed/30137563)
6. [Ceponiene I, Li D, El Khoudary SR, Nakanishi R, Stein JH, Wong ND, Nezarat N, Kanisawa M, Rahmani S, Osawa K, Tattersall MC, Budoff MJ. Association of Coronary Calcium Wall Thickness, and Carotid Plaque Progression With Low-Density Lipoprotein and High-Density Lipoprotein Particle Concentration Measured by Ion Mobility (From Multiethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2021;142:52-58.](https://pubmed.ncbi.nlm.nih.gov/33278360/)
7. [Cha J, Bustamante G, Le-Scherban F, Duprez D, Panow JS, Osypuk TL. Ethnic Enclaves and Incidence of Cancer Among US Ethnic Minorities in the Multi-Ethnic Study of Atherosclerosis. *J Racial Ethn Health Disparities*. 2023 Oct 6. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37801279/)
8. [Chacko BG, Edwards MS, Sharrett AR, Qureshi WT, Klein BE, Klein R, Herrington DM, Soliman EZ. Microvasculature and incident atrioventricular conduction abnormalities in the Multi-Ethnic Study of Atherosclerosis (MESA). *Vasc Med*. 2015;20(5):417-423.](http://www.ncbi.nlm.nih.gov/pubmed/25999364)
9. [Chahal H, Bluemke DA, Wu CO, McClelland R, Liu K, Shea SJ, Burke G, Balfour P, Herrington D, Shi P, Post W, Olson J, Watson KE, Folsom AR, Lima JA. Heart failure risk prediction in the Multi-Ethnic Study of Atherosclerosis. *Heart*. 2015;101(1):58-64.](http://www.ncbi.nlm.nih.gov/pubmed/25381326)
10. [Chahal H, Johnson C, Tandri H, Jain A, Hundley WG, Barr RG, Kawut SM, Lima JA, Bluemke DA. Relation of cardiovascular risk factors to right ventricular structure and function as determined by magnetic resonance imaging (results from the multi-ethnic study of atherosclerosis. *Am J Cardiol*. 2010;106(1):110-116.](http://www.ncbi.nlm.nih.gov/pubmed/20609657)
11. [Chahal H, Heckbert SR, Barr RG, Bluemke DA, Jain A, Habibi M, Alonso A, Kronmal R, Jacobs DR Jr, Lima JA, Watson KE, Liu K, Smith LJ, Greenland P. Ability of Reduced Lung Function to Predict Development of Atrial Fibrillation in Persons Aged 45 to 84 Years (from the Multi-Ethnic Study of Atherosclerosis-Lung Study). *Am J Cardiol*. 2015;115(12):1700-1704.](http://www.ncbi.nlm.nih.gov/pubmed/25900353)
12. [Chahal H, McClelland RL, Tandri H, Jain A, Turkbey EB, Hundley WG, Barr RG, Kizer J, Lima JA, Bluemke DA, Kawut SM. Obesity and Right Ventricular Structure and Function: The MESA-Right Ventricle Study. *Chest*. 2012;141(2):388-395.](http://www.ncbi.nlm.nih.gov/pubmed/21868467)
13. [Champaneri S, Xu X, Carnethon MR, Bertoni AG, Seeman T, Desantis AS, Diez Roux A, Shrager S, Golden SH. Diurnal salivary cortisol is associated with body mass index and waist circumference: The multiethnic study of atherosclerosis. *Obesity (Silver Spring)*. 2013;21(1):E56-63.](http://www.ncbi.nlm.nih.gov/pubmed/23404865)
14. [Champaneri S, Xu X, Carnethon MR, Bertoni AG, Seeman T, Diez Roux A, Golden SH. Diurnal salivary cortisol and urinary catecholamines are associated with diabetes mellitus: the Multi-Ethnic Study of Atherosclerosis. *Metabolism.* 2012;61(7):986-995.](http://www.ncbi.nlm.nih.gov/pubmed/22209664)
15. [Chandler PD, Akinkuolie AO, Tobias DK, Lawler PR, Li C, Moorthy MV, Wang L, Duprez DA, Jacobs DR, Glynn RJ, Otvos J, Connelly MA, Post WS, Ridker PM, Manson JE, Buring JE, Lee IM, Mora S. Association of N-Linked Glycoprotein Acetyls and Colorectal Cancer Incidence and Mortality. *PLoS One*. 2016;11(11):e0165615. doi: 10.1371/journal.pone.0165615. eCollection 2016.](https://www.ncbi.nlm.nih.gov/pubmed/27902713)
16. [Chang AR, Grams ME, Ballew SH, Bilo H, Correa A, Evans M, Gutierrez OM, Hosseinpanah F, Iseki K, Kenealy T, Klein B, Kronenberg F, Lee BJ, Li Y, Miura K Navaneethan SD, Roderick PJ, Valdivielso JM, Visseren FLJ, Zhang L, Gansevoort RT, Hallan SI, Levey AS, Matsushita K, Shalev V, Woodward M; CKD Prognosis Consortium (CKD-PC). Adiposity and risk of decline in glomerular filtration rate: meta-analysis of individual participant data in a global consortium. *BMJ*. 2019;364:k5301. doi: 10.1136/bmj.k5301.](https://www.ncbi.nlm.nih.gov/pubmed/30630856)
17. [Chang JJ, Rabinowitz D, Shea S. Sources of variability in blood pressure measurement using the Dinamap PRO 100 automated oscillometric device. *Am J Epidemiol*. 2003;158(12):1218-1226.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=14652308)
18. [Charles LE, Fekedulegn D, Burchfiel CM, Fujishiro K, Landsbergis P, Diez Roux AV, Macdonald L, Foy CG, Andrew ME, Stukovsky KH, Baron S. Associations of work hours with carotid intima-media thickness and ankle-brachial index: the Multi-Ethnic Study of Atherosclerosis (MESA). *Occup Environ Med*. 2012;69(10):713-720.](http://www.ncbi.nlm.nih.gov/pubmed/22767870)
19. [Charles LE, Fekedulegn D, Burchfiel CM, Fujishiro K, Zeki Al Hazzouri A, Fitzpatrick AL, Rapp SR. Work Hours and Cognitive Function: The Multi-Ethnic Study of Atherosclerosis. *Saf Health Work*. 2020;11(2):178-186.](https://pubmed.ncbi.nlm.nih.gov/32596013/)
20. [Charles LE, Fekedulegn D, Landsbergis P, Burchfiel CM, Baron S, Kaufman JD, Stukovsky KH, Fujishiro K, Foy CG, Andrew ME, Diez Roux AV. Associations of Work Hours, Job Strain, and Occupation With Endothelial Function: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Occup Environ Med*. 2014;56(11):1153-1160.](http://www.ncbi.nlm.nih.gov/pubmed/25376409)
21. [Chatterjee NA, Shah RV, Murthy VL, Praestgaard A, Shah SJ, Ventetuolo CE, Barr RG, Kronmal R, Lima JA, Bluemke DA, Jerosch-Herold M, Alonso A, Kawut SM. Right Ventricular Structure and Function Are Associated With Incident Atrial Fibrillation: MESA –RV Study (Multi-Ethnic Study of Atherosclerosis-Right Ventricle). *Circ Arrhythm Electrophysiol*. 2017;10(1). pii: e004738. doi: 10.1161/CIRCEP.116.004738.](https://www.ncbi.nlm.nih.gov/pubmed/28082528)
22. [Chatterjee R, Zelnick L, Mukamal KJ, Nettleton JA, Kestenbaum BR, Siscovick DS, Ix JH, Tracy R, Hoofnagle AN, Svetkey LP, Edelman D, de Boer IH. Potassium Measures and Their Associations with Glucose and Diabetes Risk: The Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2016;11(6):e0157252. doi: 10.1371/journal pone.0157252. eCollection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/27280455)
23. [Chehab O, Abdollahi A, Whelton SP, Wu CO, Ambale-Venkatesh B, Post WS, Bluemke DA, Tsai MY, Lima JAC. Assocition of Lipoprotein(a) Levels With Myocardial Fibrosis in the Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2023;82(24):2280-2291.](https://pubmed.ncbi.nlm.nih.gov/38057070/)
24. [Chen H, Cade BE, Gleason KJ, Bjonnes AC, Stilp AM, Sofer T, Conomos MP, Ancoli-Israel S, Arens R, Azarbarzin A, Bell GI, Below JE, Chun S, Evans DS, Ewert R, Frazier-Wood AC, Gharib SA, Haba-Rubio J, Hagen EW, Heinzer R, Hillman DR, Johnson WC, Kutalik Z, Lane JM, Larkin EK, Lee SK, Liang J, Loredo JS, Mukherjee S, Palmer LJ, Papanicolaou GJ, Penzel T, Peppard PE, Post WS, Ramos AR, Rice K, Rotter JI, Sands SA Shah NA, Shin C, Stone KL, Stubbe B, Sul JH, Tafti M, Taylor KD, Teumer A, Thornton TA, Tranah GJ, Wang C, Wang H, Warby SC, Wellman DA, Zee PC, Hanis CL, Laurie CC, Gottlieb DJ, Patel SR, Zhu X, Sunyaev SR, Saxena R, Lin X, Redline S. Multi-ethnic Meta-Analysis Identifies RAI1 as a Possible Obstructive Sleep Apnea-related Quantitative Trait Locus in Men. *Am J* *Respir Cell Mol Biol*. 2018;58(3):391-401.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Multiethnic+Meta-Analysis+Identifies+RAI1+as+a+Possible)
25. [Chen H, Huffman JE, Brody JA, Wang C, Lee S, Gogarten SM, Sofer T, Bielak LF, Bis JC, Blangero J, Bowler RP, Cade BE, Cho MH, Correa A, Curran JE, de Vries PS, Glahn DC, Guo X, Johnson AD, Kardia S, Kooperberg C, Lewis JP, Liu X, Mathias RA, Mitchell BD, O’Connell JR, Peyser PA, Post WS, Reiner AP, Rich SS, Rotter JI, Silverman EK, Smith JA, Vasan RS, Wilson JG, Yanek LR’ NHLGI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Hematology and Hemostasis Working Group, Redline S, Smith NL, Boerwinkle E, Borecki IB, Cupples LA, Laurie CC, Morrison AC, Rice KM, Lin X. Efficient Variant Set Mixed Model Association Tests for Continuous and Binary Traits in Large-Scale Whole-Genome Sequencing Studies. *Am J Hum Genet*. 2019;104(2):260-274.](https://www.ncbi.nlm.nih.gov/pubmed/30639324)
26. [Chen HY, Cairns BJ, Small AM, Burr HA, Ambikkumar A, Martinsson A, Theriault S, Munter HM, Steffen B, Zhang R, Levinson RT, Shaffer CM, Rong J, Sonestedt E, Dufresne L, Ljungberg J, Naslund U, Johansson B, Ranatunga DK, Whitmer RA, Budoff MJ, Nguyen A, Vasan RS, Larson MG, Harris WS, Damrauer SM, Stark KD, Boekholdt SM, Wareham NJ, Pibarot P, Arsenault BJ, Mathieu P, Gudnason V, O’Donnell CJ, Rotter JI, Tsai MY, Post WS, Clarke R, Soderberg S, Bosse Y, Wells QS, Smith JG, Rader DJ, Lathrop M, Engert JC, Thanassoulis G. Association of FADS1/2 Locus Variants and Polyunsaturated Fatty Acids With Aortic Stenosis. *JAMA Cardiol*. 2020;5(6):694-702.](https://pubmed.ncbi.nlm.nih.gov/32186652/)
27. [Chen J, Ricardo AC, Reid KJ, Lash J, Chung J, Patel SR, Daviglus ML, Huang T, Liu L, Hernandez, R, Li Q, Redline S. Sleep, cardiovascular risk factors, and kidney function: The Multi-Ethnic Study of Atherosclerosis (MESA). *Sleep Health*. 2022;8(6):648-653.](https://pubmed.ncbi.nlm.nih.gov/36216749/)
28. [Chen LY, Leening MJ, Norby FL, Roetker NS, Hofman A, Franco OH, Pan W, Polak JF, Witteman JC, Kronmal RA, Folsom AR, Nazarian S, Stricker BH, Heckbert SR, Alonso A. Carotid Intima-Media Thickness and Arterial Stiffness and the Risk of Atrial Fibrillation: The Atherosclerosis Risk Communities (ARIC) Study, Multi-Ethnic Study of Atherosclerosis (MESA), and Rotterdam Study. *J Am Heart Assoc*. 2016;5(5). pii: e002907.](http://www.ncbi.nlm.nih.gov/pubmed/27207996)
29. [Chen TK, Katz R, Estrella MM, Post WS, Kramer H, Rotter JI, Tayo B, Mychaleckyj JC, Wassel CL, Peralta CA. Association of *APOL1* Genotypes With Measures of Microvascular and Endothelial Function, and Blood Pressure in MESA. *J Am Heart Assoc*. 2020;9(17):e017039. doi: 10.1161/JAHA.120.017039.](https://pubmed.ncbi.nlm.nih.gov/32851884/)
30. [Chen X, Wang R, Lutsey PL, Zee PC, Javaheri S, Alcantara C, Jackson CL, Szklo M, Punjabi N, Redline S, Williams MA. Racial/ethnic differences in the associations between obesity measures and severity of sleep-disordered breathing: the Multi-Ethnic Study of Atherosclerosis. *Sleep Med*. 2016;26:46-53.](https://www.ncbi.nlm.nih.gov/pubmed/26459687)
31. [Chen X, Wang R, Zee P, Lutsey PL, Javaheri S, Alcantara C, Jackson CL, Williams MA, Redline S. Racial/Ethnic Differences in Sleep Disturbances: The Multi-Ethnic Study of Atherosclerosis (MESA). *Sleep*. 2015;38(6):877-888.](http://www.ncbi.nlm.nih.gov/pubmed/25409106)
32. [Chen YC, Chen YD, Li X, Post W, Herrington D, Polak JF, Rotter JI, Taylor KD. The HMG-CoA reductase gene and lipid and lipoprotein levels: the multi-ethnic study of atherosclerosis. *Lipids*. 2009;44(8):733-743.](http://www.ncbi.nlm.nih.gov/pubmed/19554360)
33. [Chen ZZ, Pacheco JA, Gao Y, Deng S, Peterson B, Shi X, Zheng S, Tahir UA, Katz DH, Cruz DE, Ngo D, Benson MD, Robbins JM, Guo X, Del Rocio Sevilla Gonzalez M, Manning A, Correa A, Meigs JB, Taylor KD, Rich SS, Goodarzi MO, Rotter JI, Wilson JG, Clish CB, Gerszten RE. Nontargeted and Targeted Metabolic Profiling Reveals Novel Metabolite Biomarkers of Incident Diabetes in African Americans. *Diabetes*. 2022;71(11):2426-2437.](https://pubmed.ncbi.nlm.nih.gov/35998269/)

1. [Cheng FW, Ford NA, Wood AC, Tracy R. Avocado consumption and markers of inflammation: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Eur J Nutr*. 2023;62(5):2105-2113.](https://pubmed.ncbi.nlm.nih.gov/36947255/)
2. [Cheng S, Fernandes VR, Bluemke DA, McClelland RL, Kronmal RA, Lima JA. Age-related left ventricular remodeling and associated risk for cardiovascular outcomes: the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2009;2(3):191-198.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Age-related+left+ventricular+remodeling+and+associated+risk+for+cardiovascular+outcomes%3A)
3. [Chester RC, Gornbein JA, Hundley WG, Srikanthan P, Watson KE, Horwich T. Reflection Magnitude, a Measure of Arterial Stiffness, Predicts Incident Heart Failure in Men but Not Women: Multi-Ethnic Study of Atherosclerosis (MESA). *J Card Fail*. 2017;23(5):353-362.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Chester+RC)
4. [Cheung N, Bluemke DA, Klein R, Sharrett AR, Islam FM, Cotch MF, Klein BE, Criqui MH, Wong TY. Retinal arteriolar narrowing and left ventricular remodeling: the multi-ethnic study of atherosclerosis. *J Am Coll Cardiol.* 2007;50(1):48-55.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17601545&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
5. [Cheung N, Chee ML, Klein R, Klein BEK, Shea S, Cotch MF, Cheung CY, Wong TY. Incidence and progression of diabetic retinopathy in a multi-ethnic US cohort: the Multi-Ethnic Study of Atherosclerosis. *Br J Ophthalmol*. 2022;106(9):1264-1268.](https://pubmed.ncbi.nlm.nih.gov/33741582/)
6. [Cheung N, Islam FM, Jacobs DR Jr, Sharrett AR, Klein R, Polak JF, Cotch MF, Klein BE, Ouyang P, Wong TY. Arterial Compliance and Retinal Vascular Caliber in Cerebrovascular Disease. *Ann Neurol*. 2007;62(6):618-624.](http://www.ncbi.nlm.nih.gov/pubmed/17918248?ordinalpos=10&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
7. [Cheung N, Islam FM, Klein R, Klein BE, Wong TY. Plasma sphingomyelin is not associated with microvascular changes in the retina. *Microvasc Res.* 2008;75(1):9.](http://www.ncbi.nlm.nih.gov/pubmed/17706253?ordinalpos=23&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
8. [Cheung N, Klein R, Wang JJ, Cotch MF, Islam AF, Klein BE, Cushman M, Wong TY. Traditional and Novel Cardiovascular Risk Factors for Retinal Vein Occlusion: The Multi-Ethnic Study of Atherosclerosis. *Invest Ophthalmol Vis Sci*. 2008;49(10):4297-4302.](http://www.ncbi.nlm.nih.gov/pubmed/18539932?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

1. [Cheung N, Sharrett AR, Klein R, Criqui MH, Islam FM, Macura KJ, Cotch MF, Klein BE, Wong TY. Aortic distensibility and retinal arteriolar narrowing. The Multi-Ethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17698721&ordinalpos=6&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Hypertension](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17698721&ordinalpos=6&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[. 2007;50(4):617-622.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17698721&ordinalpos=6&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Chevli PA, Islam T, Pokharel Y, Rodriguez F, Virani SS, Blaha MJ, Bertoni AG, Budoff M, Otvos JD, Shapiro MD. Association between remnant lipoprotein cholesterol, high-sensitivity C-reactive protein, and risk of atherosclerotic cardiovascular disease events in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Clin Lipidol*. 2022;16(6):807-877.](https://pubmed.ncbi.nlm.nih.gov/36180367/)
3. [Chevli PA, Mehta A, Allison M, Ding J, Nasir K, Blaha MJ, Blankstein R, Talegawkar SA, Kanaya AM, Shapiro MD, Mongraw-Chaffin M. Relationship of American Heart Association’s Life Simple 7, Ectopic Fat, and Insulin Resistance in 5 Racial/Ethnic Groups. *J Clin Endocrinol Metab*. 2022;107(6):e2394-2404. doi: 10.1210/clinem/dgac102.](https://pubmed.ncbi.nlm.nih.gov/35188972/)
4. [Chew M, Xie J, Klein R, Klein B, Cotch MF, Redline S, Wong TY, Cheung N. Sleep apnea and retinal signs in cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. *Sleep Breath*. 2016;20(1):15-23.](http://www.ncbi.nlm.nih.gov/pubmed/25903075)
5. [Chi GC, Liu Y, MacDonald JW, Barr RG, Donohue KM, Hensley MD, Hou L, McCall CE, Reynolds LM, Siscovick DS, Kaufman JD. Long-term outdoor air pollution and DNA methylation in circulating monocytes: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health*. 2016;15(1):119.](https://www.ncbi.nlm.nih.gov/pubmed/27903268)
6. [Chi GC, Liu Y, MacDonald JW, Reynolds LM, Enquobahrie DA, Fitzpatrick AL, Kerr KF, Budoff MJ, Lee SI, Siscovick D, Kaufman JD. Epigenome-wide analysis of long-term air pollution exposure and DNA methylation in monocytes: results from the Multi-Ethnic Study of Atherosclerosis. *Epigenetics*. 2022;17(3):297-313.](https://pubmed.ncbi.nlm.nih.gov/33818294/)
7. [Chirinos JA, Kips JG, Jacobs DR Jr, Brumback L, Duprez DA, Kronmal R, Bluemke DA, Townsend RR, Vermeersch S, Segers P. Arterial wave reflections and incident cardiovascular events and heart failure: MESA (Multiethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2012;60(21):2170-2177.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Arterial+wave+relfections+and+incident+cardiovascular+events+and+heart+failure)
8. [Chirinos JA, Segers P, Duprez DA, Brumback L, Bluemke DA, Zamani P, Kronmal R, Vaidya D, Ouyang P, Townsend RR, Jacobs DR. Late systolic central hypertension as a predictor of incident heart failure: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2015;4(3). pii: e001335. doi: 10.1161/JAHA. 114.001335.](http://www.ncbi.nlm.nih.gov/pubmed/25736440)
9. [Choi B, Kawut KM, Raghu G, Hoffman E, Tracy R, Madahar P, Bernstein EJ, Barr RG, Lederer DJ, Podolanczuk A. Regional distribution of high-attenuation areas on chest computed tomography in the Multi-Ethnic Study of Atherosclerosis. *ERJ Open Res*. 2020;6(1). pii: 00115-2019. doi: 10.1183/23120541.00115-2019.](https://www.ncbi.nlm.nih.gov/pubmed/32154292)
10. [Choi EY, Bahrami H, Wu CO, Greenland P, Cushman M, Daniels LB, Almeida AL, Yoneyama K, Opdahl A, Jain A, Criqui MH, Siscovick D, Darwin C, Maisel A, Bluemke DA, Lima JA. N-terminal Pro-B-Type Natriuretic Peptide, Left Ventricular Mass, and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. *Circ Heart Fail*. 2012;5(6):727-734.](http://www.ncbi.nlm.nih.gov/pubmed/23032197)
11. [Choi EY, Rosen BD, Fernandes VR, Yan RT, Yoneyama K, Donekal S. Opdahl A, Almeida AL, Wu CO, Gomes AS, Bluemke DA, Lima JA. Prognostic value of myocardial circumferential strain for incident heart failure and cardiovascular events in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J*. 2013;34(30):2354-2361.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Prognostic+value+of+myocardial+circumferential+strain+for+incident+heart+failure)
12. [Choi EY, Yan RT, Fernandes VR, Opdahl A, Gomes AS, Almeida AL, Wu CO, Liu K, Carr JJ. McClelland RL, Bluemke DA, Lima JA. High-sensitivity C-reactive protein as an independent predictor of progressive myocardial functional deterioration: the multiethnic study of atherosclerosis. *Am Heart J*. 2012;164(2):251-258.](https://www.ncbi.nlm.nih.gov/pubmed/22877812)
13. [Chong EW, Guymer RH, Klein R, Klein BE, Cotch MF, Wang JJ, Shlipak MG, Wong TY. Is renal function associated with early age-related macular degeneration? *Optom Vis Sci*. 2014;91(8):860-864.](http://www.ncbi.nlm.nih.gov/pubmed/24879085)
14. [Chow D, Young R, Valcour N, Kronmal RA, Lum CJ, Parikh NI, Tracy RP, Budoff M, Shikuma CM. HIV and coronary artery calcium score: comparison of the Hawaii Aging with HIV Cardiovascular Study and Multi-Ethnic Study of Atherosclerosis (MESA) cohorts. *HIV Clin Trials*. 2015;16(4):130-138.](http://www.ncbi.nlm.nih.gov/pubmed/?term=HIV+and+coronary+artery+calcium+score%3A+comparison+of+theh+Hawaii+Aging+with+HIV)
15. [Chrispin J, Jain A, Soliman EZ, Guallar E, Alonso A, Heckbert SR, Bluemke DA, Lima JA, Nazarian S. Association of Electrocardiographic and Imaging Surrogates of Left Ventricular Hypertrophy With Incident Atrial Fibrillation: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2014;63(19):2007-2013.](http://www.ncbi.nlm.nih.gov/pubmed/24657688)
16. [Christine PJ, Auchincloss AH, Bertoni AG, Carnethon MR, Sanchez BN, Moore K, Adar SD, Horwich TB, Watson KE, Diez Roux AV. Longitudinal Associations Between Neighborhood Physical and Social Environments and Incident Type 2 Diabetes Mellitus: The Multi-Ethnic Study of Atherosclerosis (MESA). *JAMA Intern Med*. 2015;175(8):1311-1320.](http://www.ncbi.nlm.nih.gov/pubmed/26121402)
17. [Christine PJ, Moore K, Crawford ND, Barrientos-Gutierrez T, Sanchez BN, Seeman T, Diez Roux AV. Exposure to Neighborhood Foreclosures and Changes In Cardiometabolic Health: Results From MESA. *Am J Epidemiol*. 2017;185(2):106-114.](https://www.ncbi.nlm.nih.gov/pubmed/27986705)
18. [Christine PJ, Young R, Adar S, Bertoni AG, Heisler M, Carnethon MR, Hayward RA, Diez Roux AV. Individual- and Area-Level SES in Diabetes Risk Prediction: The Multi-Ethnic Study of Atherosclerosis. *Am J Prev Med*. 2017;53(2):201-209.](https://www.ncbi.nlm.nih.gov/pubmed/28625713)
19. [Christoph MJ, Allison MA, Pankow JS, Decker PA, Kirsch PS, Tsai MY, Sale MM, de Andrade M, Sicotte H, Tang W, Hanson NQ, Berardi C, Wassel CL, Larson NB, Bielinski SJ. Impact of adiposity on cellular adhesion: The Multi-Ethnic Study of Atherosclerosis (MESA). *Obesity (Silver Spring)*. 2016;24(1):223-230.](http://www.ncbi.nlm.nih.gov/pubmed/26638193)
20. [Chu JH, Michos ED, Ouyang P, Vaidya D, Blumenthal RS, Budoff MJ, Blaha MJ, Whelton SP. Coronary artery calcium and atherosclerotic cardiovascular disease risk in women with early menopause: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Prev Cardiol*. 2022;11:100362. doi: 10.1016/j.ajpc.2022.100362.](https://pubmed.ncbi.nlm.nih.gov/35769201/)
21. [Chung CP, Giles JT, Kronmal RA, Post WS, Gelber AC, Petri M, Szklo M, Detrano R, Budoff MJ, Blumenthal RS, Ouyang P, Bush D, Bathon JM. Progression of coronary artery atherosclerosis in rheumatoid arthritis: comparison with participants from the Multi-Ethnic Study of Atherosclerosis. *Arthritis Res Ther*. 2013;15(5):R134. doi: 10.1186/ar4314.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Progression+of+coronary+artery+atherosclerosis+in+rheumatoid+arthritis%3A+comparison+with+participants)
22. [Chung CP, Giles JT, Petri M, Szklo M, Post W, Blumenthal RS, Gelber AC, Ouyang P, Jenny NS, Bathon JM. Prevalence of traditional modifiable cardiovascular risk factors in patients with rheumatoid arthritis: comparison with control subjects from the multi-ethnic study of atherosclerosis. *Semin Arthritis Rheum*. 2012;41(4):535-544.](http://www.ncbi.nlm.nih.gov/pubmed/22340996)
23. [Chung H, McClelland RL, Katz R, Carr JJ, Budoff M. Repeatability limits for measurement of coronary artery calcified plaque with cardiac CT in the Multi-Ethnic Study of Atherosclerosis. *AJR Am J Roentgenol*. 2008;190(2):W87-92.](http://www.ncbi.nlm.nih.gov/pubmed/18212206?ordinalpos=7&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
24. [Chung H, Nettleton JA, Lemaitre RN, Barr RG, Tsai MY, Tracy RP, Siscovick DS. Frequency and Type of Seafood Consumed Influence Plasma (n-3) Fatty Acid Concentrations. *J Nutr*. 2008;138(12):2422-2427.](http://www.ncbi.nlm.nih.gov/pubmed/19022967)
25. [Chung J, Goodman M, Huang T, Wallace ML, Johnson DA, Bertisch S, Redline S. Racial-ethnic Differences in Actigraphy, Questionnaire, and Polysomnography Indicators of Healthy Sleep: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2021: kwab323. doi: 10.1093/aje/kwab232.](https://pubmed.ncbi.nlm.nih.gov/34498675/)
26. [Chung J, Goodman MO, Huang T, Castro-Diehl C, Chen JT, Sofer T, Bertisch SM, Purcell SM, Redline S. Objectively regular sleep patterns and mortality in a prospective cohort: The Multi-Ethnic Study of Atherosclerosis. *J Sleep Res*. 2024;33(1):e14048. doi: 10.1111/jsr.14048.](https://pubmed.ncbi.nlm.nih.gov/37752591/)
27. [Chung J, Goodman M, Huang T, Wallace ML, Lutsey PL, Chen JT, Castro-Diehl C, Bertisch S, Redline S. Multi-dimensional sleep and mortality: The Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2023;46(9):zsad048. doi: 10.1093/sleep/zsad048.](https://pubmed.ncbi.nlm.nih.gov/37523657/)
28. [Chyou AC, Klein BEK, Klein R, Barr RG, Cotch MF, Praestgaard A, Wong TY, Lima J, Bluemke DA, Kawut S. Retinal vascular changes and right ventricular structure and function: the MESA-Right Ventricle and MESA-Eye studies. *Pulm Circ*. 2019;9(1):2045894018819781. doi: 10.1177/2045894018819781. eCollection 2019 Jan-Mar.](https://www.ncbi.nlm.nih.gov/pubmed/30622700)
29. [Clark-Boucher D, Zhou X, Du J, Liu Y, Needham BL, Smith JA, Mukherjee B. Methods for mediation analysis with high-dimensional DNA methylation data: Possible choices and comparisons. *PLoS Genet*. 2023;19(11):e1011022. doi: 10.1371/journal.pgen.1011022. eCollection 2023 Nov.](https://pubmed.ncbi.nlm.nih.gov/37934796/)
30. [Cohen LP, Vittinghoff E, Pletcher MJ, Allen NB, Shah SJ, Wilkins JT, Chang PP, Ndumele CE, Newman AB, Ives D, Maurer, Oelsner EC, Moran AE, Zhang Y. Association of Midlife Cardiovascular Risk Factors With the Risk of Heart Failure Subtypes Later in Life. *J Card Fail*. 2021;27(4):435-444.](https://pubmed.ncbi.nlm.nih.gov/33238139/)
31. [Cohen MA, Adar SD, Allen RW, Avol E, Curl CL, Gould T, Hardie D, Ho A, Kinney P, Larson TV, Sampson P, Sheppard L, Stukovsky KD, Swan SS, Liu LJ, Kaufman JD. Approach to Estimating Participant Pollutant Exposures in the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *Environ Sci Technol*. 2009;43(13):4687-93.](http://www.ncbi.nlm.nih.gov/pubmed/19673252?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
32. [Cohen R, Budoff M, McClelland RL, Sillau S, Burke G, Blaha M, Szklo M, Uretsky S, Rozanski A, Shea S. Significance of a Positive Family History for Coronary Heart Disease in Patients With a Zero Coronary Artery Calcium Score (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2014;114(8):1210-1214.](http://www.ncbi.nlm.nih.gov/pubmed/25152422)
33. [Cohen R, Gasca NC, McClelland RL, Alcantara C, Jacobs DR Jr, Diez Roux A, Rozanski A, Shea S. Effect of Physical Activity on the Relation Between Psychosocial Factors and Cardiovascular Events (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2016;117(10):1545-1551.](http://www.ncbi.nlm.nih.gov/pubmed/27017324)
34. [Cohoon KP, Criqui MH, Budoff MJ, Lima JA, Blaha MJ, Decker PA, Durazo R, Liu K, Kramer H. Relationship of Aortic Wall Distensibility to Mitral and Aortic Valve Calcification: The Multi-Ethnic Study of Atherosclerosis. *Angiology*. 2018;69(5):443-448.](https://www.ncbi.nlm.nih.gov/pubmed/29025284)
35. [Colagiuri S, Lee CM, Wong TY, Balkau B, Shaw JE, Borch-Johnsen K; the DETECT-2 Collaboration Writing Group. Glycemic Thresholds for Diabetes-Specific Retinopathy: Implications for diagnostic criteria for diabetes. *Diabetes Care*. 2011;34(1):145-150.](http://www.ncbi.nlm.nih.gov/pubmed/20978099)
36. [Colangelo LA, Craft LL, Ouyang P, Liu K, Schreiner PJ, Michos ED, Gapstur SM. Association of sex hormones and sex hormone-binding globulin with depressive symptoms in postmenopausal women: the Multiethnic Study of Atherosclerosis. *Menopause*. 2012;19(8):877-885.](http://www.ncbi.nlm.nih.gov/pubmed/22415566)
37. [Colangelo LA, Ouyang P, Golden GH, Szklo M, Gapstur SM, Vaidya D, Liu K. Do sex hormones or hormone therapy modify the relation of n-3 fatty acids with incident depressive symptoms in postmenopausal women? The MESA Study. *Psychoneuroendocrinology*. 2017;75:26-35.](https://www.ncbi.nlm.nih.gov/pubmed/27768981)
38. [Colangelo LA, Ouyang P, Liu K, Kopp P, Golden SH, Dobs AS, Szklo M, Vaidya D, Cushman M, Gapstur SM. Association of Endogenous Sex Hormones with Diabetes and Impaired Fasting Glucose in Men: Multi-Ethnic Study of Atherosclerosis. *Diabetes Care*. 2009;32(6):1049-1051.](http://www.ncbi.nlm.nih.gov/pubmed/19289858?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
39. [Colangelo LA, Vu TH, Szklo M, Burke GL, Sibley C, Liu K. Is the Association of Hypertension With Cardiovascular Events Stronger Among the Lean and Normal Weight Than Among the Overweight and Obese? The Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2015;66(2):286-293.](http://www.ncbi.nlm.nih.gov/pubmed/26077561)
40. [Colvert B, Rigolli M, Craine A, Criqui M, Contijoch F. Heart-centered positioning and tailored beam-shaping filtration for reduced radiation dose in coronary artery calcium imaging: A Multi-Ethnic Study of Atherosclerosis. *Med Phys*. 2021;48(9):4966-4977.](https://pubmed.ncbi.nlm.nih.gov/34287949/)
41. [Cook SH, Wood EP, Stein JH, McClelland RL. Discrimination, Smoking, and Cardiovascular Disease Risk: A Moderation Medication Analysis With MESA. *J Am Heart Assoc*. 2024 Feb 23. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38390806/)
42. [Coresh J, Inker LA, Sang Y, Chen J, Shafi T, Post WS, Shlipak MG, Ford L, Goodman K, Perichon R, Greene T, Levey AS. Metabolic profiling to improve glomerular filtration rate estimation: a proof-of-concept study. *Nephrol Dial Transplant*. 2019;34(5):825-833.](https://www.ncbi.nlm.nih.gov/pubmed/29718360)
43. [Cornelis MC, Coffee and Caffeine Genetics Consortium, Byrne EM, Esko T, Nalls MA, Ganna A, Paynter N, Monda KL, Amin N, Fischer K, Renstrom F, Ngwa JS, Huikari V, Cavadino A, Nolte IM, Teumer A, Yu K, Marques-Vidal P, Rawal R, Manichaikul A, Wojczynski MK, Vink JM, Zhao JH, Burlutsky G, Lahti J, Mikkila V, Lemaitre RN, Eriksson J, Musani SK, Tanaka T, Geller F, Luan J, Hui J, Magi R, Dimitriou M, Garcia ME, Ho WK, Wright MJ, Rose LM, Magnusson PK, Pedersen NL, Couper D, Oostra BA, Hofman A, Ikram MA, Tiemeir HW, Uitterlinden AG, van Rooij FJ, Barrosos I, Johansson I, Xue L, Kaakinen M, Milani L, Power C, Snieder H, Stolk RP, Baumeister SE, Biffar R, Gu F, Bastardot F, Kutalik Z, Jacobs DR Jr, Forouhi NG, Mihailov E, Lind L, Lindgren C, Michaelsson K, Morris A, Jensen M, Khaw KT, Luben RN, Wang JJ, Mannisto S, Perala MM, Kahonen M, Lehtimaki T, Viikari J, Mozaffarian D, Mukamal K, Pstay BM, Doring A, Heath AC, Montgomery GW, Dahmen N, Carithers T, Tucker KL, Ferrucci L, Boyd HA, Melbye M, Treur JL, Mellstrom D, Hottenga JJ, Prokopenko I, Tonjes A, Deloukas P, Kanoni S, Lorentzon M, Houston DK, Liu Y, Danesh J, Rasheed A, Mason MA, Zonderman AB, Franke L, Kristal BS; International Parkinson’s Disease Genomics Consortium (IPDGC): North American Brain Expression Consortium (NABEC): UK Brain Expression Consortium (UKBEC), Karjalainen J, Reed DR, Westra HJ, Evens MK, Saleheen D, Harris TB, Dedoussis G, Curhan G, Stumvoll M, Beilby J, Pasquale LR, Feenstra B, Bandinelli S, Ordovas JM, Chan AT, Peters U, Ohlsson C, Gieger C, Martin NG, Waldenberger M, Siscovick DS, Raitakari O, Eriksson JG, Mitchell P, Hunter DJ, Kraft P, Rimm EB, Boomsma DI, Borecki IB, Loos RJ, Wareham NJ, Vollenweider P, Caporaso N, Grabe HJ, Neuhouser ML, Wolffenbuttel BH, Hu FB, Hypponen E, Jarvelin MR, Cupples LA, Franks PW, Ridker PM, van Duijn CM, Heiss G, Mespalu A, North KE, Ingelsson E, Nettleton JA, van Dam RM, Chasman DI. Genome-wide meta-analysis indentifies six novel loci associated with habitual coffee consumption. *Mol Psychiatry*. 2015;20(5):647-656.](https://www.ncbi.nlm.nih.gov/pubmed/25288136)
44. [Cornelius T, Schwartz JE, Balte P, Bhatt SP, Cassano PA, Currow D, Jacobs DR, Johnson M, Kalhan R, Kronmal R, Loehr L, O’Connor GT, Smith B, White WB, Yende S, Oelsner EC. A Dyadic Growth Modeling Approach for Examining Associations Between Weight Gain and Lung Function Decline. *Am J Epidemiol*. 2020;189(10):1173-1184.](https://pubmed.ncbi.nlm.nih.gov/32286615/)
45. [Corrales-Medina VF, Dwivedi G, Taljaard M, Petrcich W, Lima JA, Yende S, Kronmal RA, Chirinos JA. Coronary artery calcium before and after hospitalization with pneumonia: The MESA study. *PLoS One*. 2018;13(2):e0191750. doi: 10.1371/journal.pone.0191750. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/29420547)
46. [Costa MD, Heckbert SR, Redline S, Goldberger AL. Method to quantify the impact of sleep on cardiac neuroautonomic functionality: application to the prediction of cardiovascular events in the Multi-Ethnic of Atherosclerosis. *Am J Physiol Regul Itegr Comp Physiol*. 2022;323(6):R968-R978.](https://pubmed.ncbi.nlm.nih.gov/36222857/)
47. [Costa MD, Redline S, Davis RB, Heckbert SR, Soliman EZ, Goldberger AL. Heart Rate Fragmentation as a Novel Biomarker of Adverse Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis. *Front Physiol*. 2018;9:1117. doi: 10.3389/fphys.2018.01117. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/30233384)
48. [Costa MD, Redline S, Hughes TM, Heckbert SR, Goldberger AL. Prediction of Cognitive Decline Using Heart Rate Fragmentation Analysis: The Multi-Ethnic Study of Atherosclerosis. *Front Aging Neurosci*. 2021;13:708130. doi: 10.3389/fnagi.2021.708130. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34512310/)
49. [Costa MD, Redline S, Soliman EZ, Goldberger AL, Heckbert SR. Fragmented sinoatrial dynamics in the prediction of atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis. *Am J Physiol Heart Circ Physiol*. 2021;320(1):H256-H271. doi: 10.1152/ajpheart.00421.2020.](https://pubmed.ncbi.nlm.nih.gov/32986961/)
50. [Coylewright M, Budoff MJ, Blumenthal RS, Greenland P, Kronmal R, Barr RG, Burke GL, Tracy R, Post WS. Differentiation of severe coronary artery calcification in the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2011;219(2):616-622.](http://www.ncbi.nlm.nih.gov/pubmed/21930271)
51. [Crawford MA, Criqui MH, Forbang N, Unkart JT, Alison MA, Larsen BA. Associations of Abdominal Muscle Area and Density With Coronary Artery Calcium Volume and Density: The Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2020;107:154230. doi: 10.1016/j.metabol.2020.154230.](https://pubmed.ncbi.nlm.nih.gov/32298722/)
52. [Crawford ND, Moore K, Christine PJ, Barrientos-Gutierrez T, Seeman T, Diez Roux AV. Examining the Role of Neighborhood-Level Foreclosure in Smoking and Alcohol Use Among Older Adults in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2018;187(9):1863-1870.](https://www.ncbi.nlm.nih.gov/pubmed/29961880)
53. [Criqui MH, Denenberg JO, Ix JH, McClelland RL, Wassel CL, Rifkin DE, Carr JJ, Budoff MJ, Allison MA. Calcium density of coronary artery plaque and risk of incident cardiovascular events. *JAMA*. 2014;311(3):271-278.](http://www.ncbi.nlm.nih.gov/pubmed/24247483)
54. [Criqui MH, Denenberg JO, McClelland RL, Allison MA, Ix JH, Guerci A, Cohoon KP, Srikanthan P, Watson KE, Wong ND. Abdominal aortic calcium, coronary artery calcium, and cardiovascular morbidity and mortality in the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2014;34(7):1574-1579.](http://www.ncbi.nlm.nih.gov/pubmed/24812323)
55. [Criqui MH, Kamineni A, Allison MA, Ix JA, Carr JJ, Cushman M, Detrano R, Post W, Wong ND. Risk factor differences for aortic versus coronary calcified atherosclerosis: the multiethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2010;30(11):2289-2296.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Risk+factor+differences+for+aortic+versus+cornary+calcified+atherosclerosis%3A+the+multiethnic+study)
56. [Criqui MH, Knox JB, Denenberg JO, Forbang NI, McClelland RL, Novotny TE, Sandfort V, Waalen J, Blaha MJ, Allison MA. Coronary Artery Calcium Volume and Density: Potential Interactions and Overall Predictive Value: The Multi-Ethnic Study of Atherosclerosis. *JACC Cardiovasc Imaging*. 2017;10(8):845-854.](https://www.ncbi.nlm.nih.gov/pubmed/28797404)
57. [Criqui MH, McClelland RL, McDermott MM, Allison MA, Blumenthal RS, Aboyans V, Ix JH, Burke Gl, Liu K, Shea S. The Ankle-Brachial Index and Incident Cardiovascular Events in the MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2010;56(18):1506-1512.](http://www.ncbi.nlm.nih.gov/pubmed/20951328)
58. [Cross DS, McCarty CA, Hytopoulos E, Beggs M, Nolan N, Harrington DS, Hastie T, Tibshirani R, Tracy RP, Psaty BM, McClelland R, Tsao PS, Quertermous T. Coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts. *Curr Med Res Opin*. 2012;28(11):1819-1830.](http://www.ncbi.nlm.nih.gov/pubmed/23092312)
59. [Curl CL, Beresford SA, Fenske RA, Fitzpatrick AL, Lu C, Nettleton JA, Kaufman JD. Estimating Pesticide Exposure from Dietary Intake and Organic Food Choices: The Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2015;123(5):475-483.](http://www.ncbi.nlm.nih.gov/pubmed/25650532)
60. [Curl CL, Beresford SA, Hajat A, Kaufman JD, Moore K, Nettleton JA. Diez-Roux AV. Associations of Organic Produce Consumption with Socioeconomic Status and the Local Food Environment: Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2013;8(7):e69778. doi: 10.1371/journal.pone.0069778. Print 2013.](http://www.ncbi.nlm.nih.gov/pubmed/23936098)
61. [Czarny MJ, Shah SJ, Whelton SP, Blaha MJ, Tsai MY, Denis R, Bertoni A, Post WS. Race/Ethnicity and Prevalence of Aortic Stenosis by Echocardiography in the Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2021;78(3):195-197.](https://pubmed.ncbi.nlm.nih.gov/33989712/)
62. [Danesh J, Emerging Risk Factors Collaboration, Kaptoge S, Di Angelantonio E, Lowe G, Pepys MB, Thompson SG, Collins R. C-reactive protein concentration and risk of coronary heart disease, strok, and mortality: an individual participant meta-analysis. *Lancet*. 2010;375(9709):132-140.](http://www.ncbi.nlm.nih.gov/pubmed/20031199?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)

1. [Daniel GD, Chen H, Bertoni AG, Hughes TM, Hayden KM. High visit-to-visit blood pressure variability predicts global cognitive decline: The Multi-Ethnic Study of Atherosclerosis.](https://pubmed.ncbi.nlm.nih.gov/35898668/) *[Alzheimers Dement](https://pubmed.ncbi.nlm.nih.gov/35898668/)* [(N Y). 2022;8(1):e12342. doi: 10.1002/trc2.12342. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35898668/)
2. [Daniel GD, Chen H, Bertoni AG, Rapp SR, Fitzpatrick AL, Luchsinger JA, Wood AC, Hughes TM, Burke GL, Hayden KM. DASH diet adherence and cognitive function: Multi-ethnic study of atherosclerosis. *Clin Nutr ESPEN*. 2021;46:223-231.](https://pubmed.ncbi.nlm.nih.gov/34857201/)
3. [Daniel KR, Bertoni AG, Ding J, Johnston S, Budoff MJ, Bluemke DA, Carr JJ. Comparison of methods to measure heart size using noncontrast-enhanced computed tomography: correlation with left ventricular mass. *J Comput Assist Tomogr*. 2008 ;32(6):934-941.](http://www.ncbi.nlm.nih.gov/pubmed/19204458?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
4. [Daniels LB, Clopton P, deFilippi CR, Sanchez OA, Bahrami H, Lima JA, Tracy RP, Siscovick D, Bertoni AG, Greenland P, Cushman M, Maisel AS, Criqui MH. Serial measurement of N-terminal pro-B-type natriuretic peptide and cardiac troponin T for cardiovascular disease risk assessment in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2015;170(6):1170-1183.](http://www.ncbi.nlm.nih.gov/pubmed/26678639)
5. [Danziger J, Young RL, Shea KM, Duprez DA, Jacobs DR, Tracy RP, Ix JH, Jenny NS, Mukamal KJ. Circulating Des-gamma-carboxy prothrombin is not associated with cardiovascular calcification or stiffness: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2016;252:68-74.](http://www.ncbi.nlm.nih.gov/pubmed/27508317)
6. [Danziger J, Young RL, Shea MK, Tracy RP, Ix JH, Jenny NS, Mukamal KJ. Vitamin K-Dependent Protein Activity and Incident Ischemic Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2016;36(5):1037-1042.](http://www.ncbi.nlm.nih.gov/pubmed/27034472)
7. [Darabian S, Luo Y, Homat A, Khosraviani K, Wong N, Zeb I, Nasir K, Budoff MJ. CAC score as a possible criterion for administration of angiotensin converting enzyme inhibitors and/or angiotensin receptor blockers: the MultiEthnic Study of Atherosclerosis. *Coron Artery Dis*. 2015;26(8):678-685.](http://www.ncbi.nlm.nih.gov/pubmed/26398149)
8. [Day EC, Li Y, Diez-Roux A, Kandula N, Moran A, Rosas S, Shlipak MG, Peralta CA.  Associations of acculturation and kidney dysfunction among Hispanics and Chinese from the Multi-Ethnic Study of Atherosclerosis (MESA). *Nephrol Dial Transplant*. 2011;26(6):1909-1916.](http://www.ncbi.nlm.nih.gov/pubmed/21051500)
9. [Dean II DA, Wang R, Jacobs DR, Duprez D, Punjabi NM, Zee PC, Shea S, Watson K, Redline S. A Systematic Assessment of the Association of Polysomnographic Indices with Blood Pressure: The Multi-Ethnic Study of Atherosclerosis (MESA). *Sleep*. 2015;38(4):587-596.](http://www.ncbi.nlm.nih.gov/pubmed/25348124)
10. [de Boer IH, Astor BC, Kramer H, Palmas W, Rudser K, Seliger SL, Shlipak MG, Siscovick DS, Tsai MY, Kestenbaum B. Mild elevations of urine albumin excretion are associated with atherogenic lipoprotein abnormalities in the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2008;197(1):407-414.](http://www.ncbi.nlm.nih.gov/pubmed/17681346?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
11. [de Boer IH, Astor BC, Kramer H, Palmas W, Seliger SL, Shlipak MG, Siscovick DS, Tsai MY, Kestenbaum B. Lipoprotein Abnormalities Associated with Mild Impairment of Kidney Function in the Multi-Ethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/pubmed/18057305?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Clin J Am Soc Nephrol](http://www.ncbi.nlm.nih.gov/pubmed/18057305?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[. 2008;3(1):125-132.](http://www.ncbi.nlm.nih.gov/pubmed/18057305?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
12. [de Boer IH, Hong J, Hatchell KE, Bradfield JP, Bjonnes A, Chesi A, Lai CQ, Langefeld CD, Lu L, Lutsey PL, Musani SK, Nalls MA, Robinson-Cohen C, Roizen JD, Saxena R, Tucker KL, Ziegler JT, Arking DE, Bis JC, Boerwinkle E, Bottinger EP, Bowden DW, Gilsanz V, Houston DK, Kalkwarf HJ, Kelly A, Lappe JM, Liu Y, Michos ED, Oberfield SE, Palmer ND, Rotter JI, Sapkota B, Shepherd JA, Wilson JG, Basu S, Divers J, Freedman BI, Grant SFA, Hakanarson H, Harris TB, Kestenbaum BR, Kritchevsky SB, Loos RJF, Norris JM, Norwood AF, Ordovas JM, Pankow JS, Psaty BM, Sanghera DK, Wagenknecht LE, Zemel BS, Meigs J, Dupuis J, Florez JC, Wang T, Liu CT, Engelman CD, Billings LK. Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. *J Clin Endocrinol Metab*. 2018;103(4):1380-1392.](https://www.ncbi.nlm.nih.gov/pubmed/29325163)
13. [de Boer IH, Kestenbaum B, Shoben AB, Michos ED, Sarnak MJ, Siscovick DS. 25-Hydroxyvitamin D Levels Inversely Associate with Risk for Developing Coronary Artery Calcification. *J Am Soc Nephrol*. 2009;20(8):1805-1812.](http://www.ncbi.nlm.nih.gov/pubmed/19443637?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
14. [de Boer IH, Levin G, Kestenbaum B, Ida Chen YD, Jacobs DR Jr, Psaty BM, Rotter JI, Siscovick DS. Glucose, Insulin, and Incident Hypertension in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010;172(10):1144-1154.](http://www.ncbi.nlm.nih.gov/pubmed/20961972)
15. [de Boer IH, Prince DK, Williams K, Allen NB, Burke GL, Hoofnagle AN, Hsu S, Li X, Liu KJ, McClelland RL, Michos ED, Psaty BM, Shea SJ, Rice KM, Rotter JI, Siscovick DS, Tracy RP, Watson KE, Kestenbaum BR. The Multi-Ethnic Study of Atherosclerosis individual response to vitamin D trial: Building a randomized clinical trial into an observational cohort study. *Contemp Clin Trials*. 2021;103:106318. doi: 10.1016/j.cct.2021.106318.](https://pubmed.ncbi.nlm.nih.gov/33588078/)
16. [de Boer IH, Sachs MC, Chonchol M, Himmelfarb J Hoofnagle AN, Ix JH, Kremsdorf RA, Lin YS, Mehrotra R, Robinson-Cohen C, Siscovick DS, Steffes MW, Thummel KE, Tracy RP, Wang Z, Kestenbaum B. Estimated GFR and Circulating 24, 25-Dihydroxyvitamin D3 Concentration: A Participant-Level Analysis of 5 Cohort Studies and Clinical Trials. *Am J Kidney Dis*. 2014;64(2):187-197.](http://www.ncbi.nlm.nih.gov/pubmed/24703961)
17. [Decker PA, Larson NB, Bell EJ, Pankow JS, Hanson NQ, Wassel CL, Tsai MY, Bielinski SJ. Erratum to “Increased hepatocyte growth factor levels over 2 years are associated with coronary heart disease: The Multi-Ethnic Study of Atherosclerosis (MESA)” [Am Heart J (2019) 30-34]. *Am Heart J*. 2019;216:151. doi: 10.1016/j.ahj.2019.07.001.](https://www.ncbi.nlm.nih.gov/pubmed/31439267)
18. [deFilippi CR, Tran H, Gattani R, Daniels LB, Shah P, Ilkhanoff L, Christenson R, Lima JA, Seliger S. Association of cardiac troponin T and growth differentiation factor 15 with replacement and interstitial cardiac fibrosis in community dwelling adults: The multi-ethnic study of atherosclerosis. *Front Cardiovasc Med*. 2023;10.1104715. doi: 10.3389/fcmv.2023.1104715. e Collection 2023.](https://pubmed.ncbi.nlm.nih.gov/36844723/)
19. [DeFilippis AP, Blaha MJ, Martin SS, Reed RM, Jones SR, Nasir K, Blumenthal RS, Budoff MJ. Nonalcoholic fatty liver disease and serum lipoproteins: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2013;227(2):429-436.](http://www.ncbi.nlm.nih.gov/pubmed/23419204)
20. [DeFilippis AP, Blaha MJ, Ndumele CE, Budoff MJ, Lloyd-Jones DM, McClelland RL, Lakoski SG, Cushman M, Wong ND, Blumenthal RS, Lima J, Nasir K. The Association of Framingham and Reynolds Risk Scores with Incidence and Progression of Coronary Artery Calcification MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2011;58(20):2076-2083.](http://www.ncbi.nlm.nih.gov/pubmed/22051329)
21. [DeFilippis AP, Kramer HJ, Katz R, Wong ND, Bertoni AG, Carr J, Budoff MJ, Blumenthal RS, Nasir K. Association Between Coronary Artery Calcification Progression and Microalbuminuria: The MESA Study. *JACC Cardiovasc Imaging*. 2010;3(6):595-604.](http://www.ncbi.nlm.nih.gov/pubmed/20541715)
22. [DeFilippis AP, Lidani KCF, Nam Y, Trainor PJ, Johnson WC, Heckbert SR, McClelland RL, Blaha MJ, Nasir K. Risk factor associations with individual myocardial infarction subtypes and acute non-ischemic myocardial injury in the Multi-Ethnic Study of Atherosclerosis (MESA): Design and rationale. *Am Heart J*. 2023;260:151-173.](https://pubmed.ncbi.nlm.nih.gov/36868395/)

1. [DeFilippis AP, Trainor PJ, Thanassoulis G, Brumback LC, Post WS, Tsai MY, Tsimikas S. Atherothrombotic factors and atherosclerotic cardiovascular events: the multi-ethnic study of atherosclerosis. *Eur Heart J*. 2022;43(10):971-981.](https://pubmed.ncbi.nlm.nih.gov/34508626/)
2. [DeFilippis AP, Young R, Carrubba CJ, McEvoy JW, Budoff MJ, Blumenthal RS, Kronmal RA, McClelland RL, Nasir K, Blaha MJ. An Analysis of Calibration and Discrimination Among Multiple Cardiovascular Risk Scores in a Modern Multiethnic Cohort. *Ann Intern Med*. 2015;162(4):266-275. doi: 10.7326/M14-1281.](http://www.ncbi.nlm.nih.gov/pubmed/25686167)
3. [DeFilippis AP, Young R, McEvoy JW, Michos ED, Sandfort V, Kronmal RA, McClelland RL, Blaha MJ. Risk score overestimation: the impact of individual cardiovascular risk factors and preventive therapies on the performance of the American Heart Association-American College of Cardiology-Atherosclerotic Cardiovascular Disease risk score in a modern multi-ethnic cohort. *Eur Heart J*. 2017;38(8):598-608.](https://www.ncbi.nlm.nih.gov/pubmed/27436865)
4. [Degoma EM, Davis MD, Dunbar RL, Mohler ER 3rd, Greenland P, French B. Discordance between non-HDL-cholesterol and LDL-particle measurements: Results from the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2013;229(2):517-523.](http://www.ncbi.nlm.nih.gov/pubmed/23591415)
5. [DeGoma EM, French B, Dunbar RL, Allison MA, Mohler ER 3rd, Budoff MJ. Intraindividual variability of C-reactive protein: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2012;224(1):274-279.](http://www.ncbi.nlm.nih.gov/pubmed/22846611)
6. [Delaney JA, Biggs ML, Kronmal RA, Psaty BM. Demographic, medical, and behavioral characteristics associated with over the counter non-sterodial anti-inflammatory drug use in a population-based cohort: results from the Multi-Ethnic Study of Atherosclerosis. *Pharmacoepidemiol Drug Saf*. 2011;20(1):83-89.](http://www.ncbi.nlm.nih.gov/pubmed/21182156)
7. [Delaney JA, Jensky NE, Criqui MH, Whitt-Glover MC, Lima JA, Allison MA. The association between physical activity and both incident coronary artery calcification and ankle brachial index progression: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2013;230(2):278-283.](http://www.ncbi.nlm.nih.gov/pubmed/24075757)
8. [Delaney JA, Lehmann N, Jöckel KH, Elmariah S, Psaty BM, Mahabadi AA, Budoff M, Kronmal RA, Nasir K, O’Brien KD, Möhlenkamp S, Moebus S, Dragano N, Winterstein AG, Erbel R, Kälsch H. Associations between aspirin and other non-steroidal anti-inflammatory drugs and aortic valve or coronary artery calcification: The Multi-Ethnic Study of Atherosclerosis and the Heinz Nixdorf Recall Study. *Atherosclerosis*. 2013;229(2):310-316.](http://www.ncbi.nlm.nih.gov/pubmed/23880181)
9. [Delaney JA, McClelland RL, Brown E, Bluemke DA, Vogel-Claussen J, Lai S, Heckbert SR. Multiple imputation for missing with cardiac magnetic resonance imaging data: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Can J Cardiol*. 2009;25(7):e232-235.](http://www.ncbi.nlm.nih.gov/pubmed/19584978?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
10. [Delaney JA, McClelland RL, Furberg CD, Cooper R, Shea S, Burke G, Psaty BM. Time trends in the use of anti-hypertensive medications: results from the Multi-Ethnic Study of Atherosclerosis. *Pharmacoepidemiol Drug Saf*. 2009;18(9):826-832.](http://www.ncbi.nlm.nih.gov/pubmed/19551700?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
11. [Delaney JA, Oddson BE, Kramer H, Shea S, Psaty BM, McClelland RL. Baseline Depressive Symptoms Are Not Associated With Clinically Important Levels of Incident Hypertension During Two Years of Follow-Up: The Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2010;55(2):408-414.](http://www.ncbi.nlm.nih.gov/pubmed/20065156?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
12. [Delaney JA, Oddson BE, McClelland RL, Psaty BM. Estimating ethnic differences in self-reported new use of antidepressant medications: results from the Multi-Ethnic Study of Atherosclerosis. *Pharmacoepidemiol Drug Saf*. 2009;18(7):545-553.](http://www.ncbi.nlm.nih.gov/pubmed/19399919?ordinalpos=6&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
13. [Delaney JAC, Olson NC, Sitlani CM, Fohner AE, Huber SA, Landay AL, Heckbert SR, Tracy RP, Psaty BM, Feinstein M, Doyle MF. Natural killer cells, gamma delta T cells and classical monocytes are associated with systolic blood pressure in the multi-ethnic study of atherosclerosis (MESA). *BMC Cardiovasc Disord*. 2021;21(1):45. doi: 10.1186/s12872-021-01857-2.](https://pubmed.ncbi.nlm.nih.gov/33482725/)
14. [Delaney JA, Scherzer R, Polak J, Biggs ML, Kronmal R, Chen H, Sidney S, Grunfeld C. Effect of inter-reader variability on outcomes in studies using carotid intima-media thickness quantified by carotid ultrasonagraphy. *Eur J Epidemiol*. 2010;25(6):385-392](http://www.ncbi.nlm.nih.gov/pubmed/20309612).
15. [de Lemos JA, Ayers CR, Levine B, deFilippi CR, Wang TJ, Hundley WG, Berry JD, Seliger SL, McGuire DK, Ouyang P, Drazner MH, Budoff M, Greenland P, Ballantyne CM, Khera A. Multimodality Strategy for Cardiovascular Risk Assessment: Performance in 2 Population-Based Cohorts. Circulation. 2017;135(22)2119-2132.](https://www.ncbi.nlm.nih.gov/pubmed/28360032)
16. [Del Gobbo LC, Imamura F, Aslibekyan S, Marklund M, Virtanen JK, Wennberg M, Yakoob MY, Chiuve SE, Dela Cruz L, Fraizer-Wood AC, Fretts AM, Gualler F, Matsumoto C, Prem K, Tanaka T, Wu JH, Zhou X, Helmer C, Ingelsson E, Yuan JM, Barberger-Gateau P, Campos H, Chaves PH, Djousse L, Giles GG, Gomez-Aracena J, Hodge AM, Hu FB, Jansson JH, Johansson I, Khaw KT, Koh WP, Lemaitre RN, Lind L, Luben RN, Rimm EB, Riserus U, Samieri WC, Franks PW, Siscovick DS, Stampfer M, Steffen LM, Steffen BT, Tsai MY, van Dam RM, Voutilainen S, Willett WC, Woodward M, Mozaffarian D; Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Fatty Acids and Outcomes Research Consortium (FORCe). ω-3 Polyunsaturated Fatty Acid Biomarkers and Coronary Heart Disease: Pooling Project of 19 Cohort Studies. *JAMA Intern Med*. 2016;176(8):1155-1166.](https://www.ncbi.nlm.nih.gov/pubmed/27357102)
17. [Delker E, AlYami B, Gallo LC, Ruiz JM, Szklo M, Allison MA. Chronic Stress Burden, Visceral Adipose Tissue, and Adiposity-Related Inflammation: The Multi-Ethnic Study of Atherosclerosis. *Psychosom Med*. 2021;83(8):834-842.](https://pubmed.ncbi.nlm.nih.gov/34292207/)
18. [De Moraes ACF, Carvalho HB, McClelland RL, Diez-Roux AV, Szklo M. Sex and ethnicity modify the associations between individual and contextual socioeconomic indicators and ideal cardiovascular health: MESA study. *J Public Health (Oxf)*. 2019;41(3):e237-e244. doi: 10.1093/pubmed/fdy145.](https://www.ncbi.nlm.nih.gov/pubmed/30137558)

1. [Den Ruijter HM, Peters SA, Anderson TJ, Britton AR, Dekker JM, Eijkemans MJ, Engstrom G, Evans GW, de Graaf J, Grobbee DE, Hedblad B, Hofman A, Holewijn S, Ikeda A, Kavousi M, Kitagawa K, Kitamura A, Koffijberg H, Lonn EM, Lorenz MW, Mathiesen EB, Nijpels G, Okazaki S, O’Leary DH, Polak JF, Prince JF, Robertson C, Rembold CM, Rosvall M, Rundek T, Salonen JT, Sitzer M, Stehouwer CD, Witteman JC, Moons KG, Bots ML. Common carotid intima-media thickness measurements in cardiovascular risk prediction: a meta-analysis. *JAMA*. 2012;308(8):796-803.](http://www.ncbi.nlm.nih.gov/pubmed/22910757)
2. [de Oliveira Otto MC, Alonso A, Lee DH, Delclos GL, Bertoni AG, Jiang R, Lima JA, Symanski E, Jacobs DR Jr, Nettleton JA. Dietary intakes of zinc and heme iron from red meat, but not from other sources, are associated with greater risk of metabolic syndrome and cardiovascular disease. *J Nutr*. 2012;142(3):526-533.](http://www.ncbi.nlm.nih.gov/pubmed/22259193)
3. [de Oliveira Otto MC, Alonso A, Lee DH, Delclos GL, Jenny NS, Jiang R, Lima JA, Symanski E, Jacobs DR Jr, Nettleton JA. Dietary micronutrient intakes are associated with markers of inflammation, but not with markers of subclinical atherosclerosis. *J Nutr*. 2011;141(8):1508-1515.](http://www.ncbi.nlm.nih.gov/pubmed/21653577)
4. [de Oliveira Otto MC, Lemaitre RN, Sun Q, King IB, Wu JHY, Manichaikul A, Rich SS, Tsai MY, Chen YD, Fornage M, Weihua G, Aslibekyan S, Irvin MR, Kabagambe EK, Arnett DK, Jensen MK, McKnight B, Psaty BM, Steffen LM, Smith CE, Riserus U, Lind L, Hu FB, Rimm EB, Siscovick DS, Mozaffarian D. Genome-wide association meta-analysis of circulating odd-numbered chain saturated fatty acids: Results from the CHARGE Consortium. *PLoS One*. 2018;13(5):e0196951. doi: 10.1371/journal.pone.019651. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Genome-wide+association+meta-analysis+of+circulating+odd-numbered+chain+saturated+fatty+acids%3A+results+from+the+CHARGE+Consortium)
5. [de Oliveira Otto MC, Mozaffarian D, Kromhout D, Bertoni AG, Sibley CT, Jacobs DR Jr, Nettleton JA. Dietary intake of saturated fat by food source and incident cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2012;96(2):397-404.](http://www.ncbi.nlm.nih.gov/pubmed/22760560)
6. [de Oliveira Otto MC, Nettleton JA, Lemaitre RN, M Steffen L, Kromhout D, Rich SS, Y Tsai M, Jacobs DR, Mozaffarian D. Biomarkers of dairy Fatty acids and risk of cardiovascular disease in the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2013;2(4):e000092. doi: 10.1161/JAHA.113.000092.](http://www.ncbi.nlm.nih.gov/pubmed/23868191)
7. [de Oliveira Otto MC, Padhye NS, Bertoni AG, Jacobs DR Jr, Mozaffarian D. Everything in Moderation--Dietary Diversity and Quality, Central Obesity and Risk of Diabetes. *PLoS One*. 2015;10(10):e0141341. doi: 10.1371/journal.pone.0141341. eCollection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/26517708)
8. [de Oliveira Titan S, Miao S, Tighiouart H, Chen N, Shi H, Zhang L, Li Z, Froissart M, Rossing P, Grubb A, Fan L, Mauer M, Bakoush O, Wyatt C, Shlipak MG, Shafi T, Inker LA, Levey AS. Performance of Indexed and Nonindexed Estimated GFR. *Am J Kidney Dis*. 2020;76(3):446-449.](https://pubmed.ncbi.nlm.nih.gov/32522576/)
9. [Desai CS, Ning H, Kang J, Folsom AR, Polak JF, Sibley CT, Tracy R, Lloyd-Jones DM. Competing Cardiovascular Outcomes Associated With Subclinical Atherosclerosis (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2013;111(11):1541-1546.](http://www.ncbi.nlm.nih.gov/pubmed/23499272)
10. [Desai CS, Ning H, Soliman EZ, Burke GL, Shea S, Nazarian S, Lloyd-Jones DM, Greenland P. Electrocardiographic abnormalities and coronary artery calcium for coronary heart disease prediction and reclassification: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2014;168(3):391-397.](http://www.ncbi.nlm.nih.gov/pubmed/25173552)
11. [DeSantis AS, Diezroux AV, Hajat A, Aiello AE, Golden SH, Jenny NS, Seeman TE, Shea S. Associations of salivary cortisol levels with inflammatory markers: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2012;37(7):1009-1018.](http://www.ncbi.nlm.nih.gov/pubmed/22178583)
12. [DeSantis AS, Diezroux AV, Hajat A, Golden SH, Jenny NS, Sanchez BN, Shea S, Seeman TE. Associations of salivary cortisol levels with metabolic syndrome and its components: the multi-ethnic study of atherosclerosis. *J Clin Endocrinol Metab*. 2011;96(11):3483-3492.](http://www.ncbi.nlm.nih.gov/pubmed/21880797)
13. [DeSantis AS, Diez Roux AV, Moore K, Baron KG, Mujahid MS, Nieto FJ. Associations of Neighborhood Characteristics with Sleep Timing and Quality: The Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2013;36(10):1543-1551.](http://www.ncbi.nlm.nih.gov/pubmed/24082314)
14. [Detrano R, Guerci AD, Carr JJ, Bild DE, Burke G, Folsom AR, Liu K, Shea S, Szklo M, Bluemke DA, O’Leary DH, Tracy R, Watson K, Wong ND, Kronmal RA. Coronary Calcium as a Predictor of Coronary Events in Four Racial or Ethnic Groups. *N Engl J Med*. 2008;358(13):1336-1345.](http://www.ncbi.nlm.nih.gov/pubmed/18367736?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
15. [Detrano RC, Anderson M, Nelson J, Wong ND, Carr JJ, McNitt-Gray M, Bild DE. Coronary calcium measurements: effect of CT scanner type and calcium measure on rescan reproducibility--MESA study. *Radiology.* 2005;236(2):477-484.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=15972340&query_hl=1&itool=pubmed_docsum)
16. [de Vries T. SCORE2-OP working group and ESC Cardiovascular risk collaboration. SCORE2-OP risk prediction algorithms: estimating incident cardiovascular event risk in older persons in four geographical risk regions. *Eur Heart J*. 2021;42(25):2455-2467.](https://pubmed.ncbi.nlm.nih.gov/34120185/)
17. [Dharod A, Soliman EZ, Dawood F, Chen H, Shea S, Nazarian S, Bertoni AG; MESA Investigators. Asymptomatic Bradycardia and With Incident Cardiovascular Disease and Mortality: The Multi-Ethnic Study of Atherosclerosis (MESA). *JAMA Internal Med*. 2016;176(2):219-227.](http://www.ncbi.nlm.nih.gov/pubmed/26785103)
18. [Dias JP, Joseph JJ, Kluwe B, Zhao S, Shardell M, Seeman T, Needham BL, Wand GS, Kline D, Brock G, Castro-Diehl C, Golden SH. The longitudinal association of changes in diurnal cortisol features with fasting glucose: MESA. *Psychoneuroendocrinology*. 2020;119:104698. doi: 10.1016/j.psyneuen.2020.104698.](https://pubmed.ncbi.nlm.nih.gov/32674946/)
19. [Dibble CT, Lima JA, Bluemke DA, Chirinos JA, Chahal H, Bristow MR, Kronmal RA, Barr RG, Ferrari VA, Propert KJ, Kawut SM. Regional left ventricular systolic function and the right ventricle: the multi-ethnic study of atherosclerosis right ventricle study. *Chest*. 2011;140(2):310-316.](http://www.ncbi.nlm.nih.gov/pubmed/21330384)
20. [Dibble CT, Shimbo D, Barr RG, Bagiello E, Chahal H, Ventetuolo CE, Herrington DM, Lima JA, Bluemke DA, Kawut SM. Brachial Artery Diameter and the Right Ventricle: The Multi-Ethnic Study of Atherosclerosis-Right Ventricle Study. *Chest*. 2012;142(6):1399-1405.](http://www.ncbi.nlm.nih.gov/pubmed/22661452)
21. [Diehr P, Diehr M, Arnold A, Yee LM, Odden MC, Hirsch CH, Thielke S, Psaty BM, Johnson WC, Kizer Md JR, Newman A. Predicting Future Years of Life, Health, and Functional Ability: A Healthy Life Calculator for Older Adults. *Gerontol Geriatr Med*. 2015;1:2333721415605989. doi: 10.1177/2333721415605989.](https://www.ncbi.nlm.nih.gov/pubmed/28138467)
22. [Diep CS, Lemaitre RN, Chen TA, Baranowski T, Lutsey PL, Manichaikul AW, Rich SS, St-Jules DE, Steffen BT, Tsai MY, Siscovick DS, Frazier-Wood AC. Acculturation and Plasma Fatty Acid Concentrations in Hispanic and Chinese-American Adults: The Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2016;11(2):e0149267. doi: 10.1371/journal.pone.0149267. e Collection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/26872329)
23. [Diez Roux AV, Auchincloss AH, Astor B, Barr RG, Cushman M, Dvonch T, Jacobs DR Jr, Kaufman J, Lin X, Samson P. Recent Exposure to Particulate Matter and C-reactive Protein Concentration in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2006;164(5):437-448.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16751260&query_hl=23&itool=pubmed_docsum)
24. [Diez Roux AV, Auchincloss AH, Franklin TG, Raghunathan T, Barr RG, Kaufman J, Astor B, Keeler J. Long-term Exposure to Ambient Particulate Matter and Prevalence of Subclinical Atherosclerosis in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2008;167(6):667-675.](http://www.ncbi.nlm.nih.gov/pubmed/18227099?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
25. [Diez Roux AV, Detrano R, Jackson S, Jacobs DR, Jr., Schreiner PJ, Shea S, Szklo M. Acculturation and socioeconomic position as predictors of coronary calcification in a multiethnic sample. *Circulation*. 2005;112(11):1557-1565.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16144996)
26. [Diez Roux AV, Evenson KR, McGinn AP, Brown DG, Moore L, Brines S, Jacobs DR Jr. Availability of recreational resources and physical activity in adults. *Am J Public Health*. 2007;97(3):493-499.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17267710&query_hl=21&itool=pubmed_docsum)
27. [Diez Roux AV, Ranjit N, Jenny NS, Shea S, Cushman M, Fitzpatrick A, Seeman T. Race/ethnicity and telomere length in the Multi-Ethnic Study of Atherosclerosis. *Aging Cell*. 2009;8(3):251-257.](http://www.ncbi.nlm.nih.gov/pubmed/19302371?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
28. [Diez Roux AV, Ranjit N, Powell L, Jackson S, Lewis TT, Shea S, Wu C. Psychosocial Factors and Coronary Calcium in Adults without Clinical Cardiovascular Disease. *Ann Intern Med*. 2006;144(11):822-831.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16754924&query_hl=23&itool=pubmed_docsum)
29. [Ding J, Hsu FC, Harris TB, Liu Y, Kritchevsky SB, Szklo M, Ouyang P, Espeland MA, Lohman KK, Criqui MH, Allison M, Bluemke DA, Carr JJ. The association of pericardial fat with incident coronary heart disease: the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr*. 2009;90(3):499-504.](http://www.ncbi.nlm.nih.gov/pubmed/19571212?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
30. [Ding J, Kritchevsky SB, Harris TB, Burke GL, Detrano RC, Szklo M, Carr JJ. The Association of Pericardial Fat With Calcified Coronary Plaque. *Obesity (Silver Spring)*. 2008;16(8):1914-1919.](http://www.ncbi.nlm.nih.gov/pubmed/18535554?ordinalpos=131&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
31. [Ding J, Kritchevsky SB, Hsu FC, Harris TB, Burke GL, Detrano RC, Szklo M, Criqui MH, Allison M, Ouyang P, Brown ER, Carr JJ. Association between non-subcutaneous adiposity and calcified coronary plaque: The Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2008;88(3)645-650.](http://www.ncbi.nlm.nih.gov/pubmed/18779279)
32. [Ding J, Lohman K, Molina A, Delbono O, Bertoni A, Shea S, Post W, Guo X, Barr RG, Manichaikul AW, Pankow JS, Rotter JI, Hoeschele I, Kritchevsky SB, Liu Y. The association between aging-related monocyte transcriptional networks and comorbidity burden: the Multi-Ethnic Study of Atherosclerosis (MESA). *Geroscience*. 2023;45(1):197-207.](https://pubmed.ncbi.nlm.nih.gov/35737188/)
33. [Ding J, Reynolds LM, Zeller T, Muller C, Lohman K, Nicklas BJ, Kritchevsky SB, Huang Z, de la Fuente A, Soranzo N, Settlage RE, Chuang CC, Howard T, Xu N, Goodarzi MO, Chen YD, Rotter JI, Siscovick DS, Parks JS, Murphy S, Jacobs DR Jr, Post W, Tracy RP, Wild PS, Blankenberg S, Hoeschele I, Herrington D, McCall CE, Liu Y. Alterations of a Cellular Cholesterol Metabolism Network Are a Molecular Feature of Obesity-Related Type 2 Diabetes and Cardiovascular Disease. *Diabetes*. 2015;64(10):3464-3474.](https://www.ncbi.nlm.nih.gov/pubmed/26153245)
34. [Ding J, Wai KL, McGeechan K, Ikram MK, Kawasaki R, Xie J, Klein R, Klein BB, Cotch MF, Wang JJ, Mitchell P, Shaw JE, Takamasa K, Sharrett AR, Wong TY; Meta-Eye Study Group. Retinal vascular caliber and the development of hypertension: a meta-analysis of individual participant data. *J Hypretens*. 2014;32(2):207-215.](http://www.ncbi.nlm.nih.gov/pubmed/24322199)
35. [Divers J, Palmer ND, Lu L, Register TC, Carr JJ, Hicks PJ, Hightower RC, Smith SC, Xu J, Cox AJ, Hruska KA, Bowden DW, Lewis CE, Heiss G, Province MA, Borecki IM, Kerr KF, Chen YD, Palmas W, Rotter JI, Wassel CL, Bertoni A, Herrington D, Wagenknecht LE, Langefeld CD, Freedman BI. Admixture mapping of coronary artery calcified plaque in african americans with type 2 diabetes mellitus. *Circ Cardiovasc Genet*. 2013;6(1):97-105.](http://www.ncbi.nlm.nih.gov/pubmed/23233742)
36. [Divers J, Redden DT, Rice KM, Vaughan LK, Padilla MA, Allison DB, Bluemke DA, Young JH, Arnett DK. Comparing self-reported ethnicity to genetic background measures in the context of the Multi-Ethnic Study of Atherosclerosis (MESA). *BMC Genet*. 2011;12:28.](http://www.ncbi.nlm.nih.gov/pubmed/21375750)
37. [Djonlagic I, Mariani S, Fitzpatrick AL, Ven Der Klei VMGTH, Johnson DA, Wood AC, Seeman T, Nguyen HT, Prerau MJ, Luchsinger JA, Dzierzewski JM, Rapp SR, Tranah GJ, Yaffe K, Burdick KE, Stone KL, Redline S, Purcell SM. Macro and micro sleep architecture and cognitive performance in older adults. *Nat Hum Behav*. 2021;5(1):123-145.](https://pubmed.ncbi.nlm.nih.gov/33199858/)
38. [Djousse L, Zhou G, McClelland RL, Ma N, Zhou X, Kabagambe EK, Talegawkar SA, Judd SE, Biggs ML, Fitzpatrick AL, Clark CR, Gagnon DR, Steffen LM, Gaziano JM, Le IM, Buring JE, Manson JE. Egg consumption, overall diet quality, and risk of type 2 diabetes and coronary heart disease: A pooling project of US prospective cohorts. *Clin Nutr*. 2021;40(5):2475-2482.](https://pubmed.ncbi.nlm.nih.gov/33932789/)
39. [Do DP, Diez Roux AV, Hajat A, Auchincloss A, Merkin SS, Ranjit N, Shea S, Seeman T. Circadian rhythm of cortisol and neighborhood characteristics in a population-based sample: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2011;17(2):625-632.](http://www.ncbi.nlm.nih.gov/pubmed/21292535)

1. [Do DP, Moore K, Barber S, Diez Roux A. Neighborhood racial/ethnic segregation and BMI: A longitudinal analysis of the Multi-ethnic Study of Atherosclerosis. *Int J Obes (Lond)*. 2019;43(8):1601-1610.](https://www.ncbi.nlm.nih.gov/pubmed/30670849)

1. [Do WL, Nguyen S, Yao J, Guo X, Whitsel EA, Demerath E, Rotter JI, Rich SS, Lange L, Ding J, Van Den Berg D, Liu Y, Justice AE, Guan W, Horvath S, Assimes TL, Bhatti P, Jordahl K, Shadyab A, Valencia CI, Stein AD, Smith A, Staimez LR, Conneely K, Venkat Narayan KM. Associations between DNA methylation and BMI vary by metabolic health status: a potential link to disparate cardiovascular outcomes.](https://pubmed.ncbi.nlm.nih.gov/34937574/) *[Clin Epigenetics](https://pubmed.ncbi.nlm.nih.gov/34937574/)*[. 2021;13(1):230. doi: 10.1186/s13148-021-01194-3.](https://pubmed.ncbi.nlm.nih.gov/34937574/)
2. [Doan TT, Koo BB, Ogilvie RP, Redline S, Lutsey PL. Restless legs syndrome and periodic limb movements during sleep in the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2018;41(8). doi: 10.1093/sleep/zsy106.](https://www.ncbi.nlm.nih.gov/pubmed/29860522)
3. [Domingo-Relloso A, Makhani K, Riffo-Campos A, Tellez-Plaza M, Klein KO, Subedi P, Zhao J, Moon KA, Bozack AK, Haack K, Gossler W, Umans JG, Best LG, Zhang Y, Herreros-Martinez M, Glabonjat RA, Schilling K, Galvez-Fernandez M, Kent JW, Sanchez TR, Taylos KD, Johnson WC, Durda P, Tracy RP, Rotter JI, Rich SS, Van Den Berg D, Kasela S, Lappalainen T, Vasan RS, Joehanes R, Howard BV, Levy D, Lohman K, Liu Y, Fallin MD, Cole SA, Mann KK, Navas-Acien A. Arsenic Exposure, Blood DNA Methylation, and Cardiovascular Disease. *Circ Res*. 2022;131(2):e51-e69. doi: 10.1161/CIRCRESAHA.122.320991.](https://pubmed.ncbi.nlm.nih.gov/35658476/)
4. [Donekal S, Ambale-Venkatesh B, Berkowitz S, Wu CO, Choi EY, Fernandes V, Yan R, Harouni AA, Bluemke DA, Lima JA. Inter-study reproducibility of cardiovascular magnetic resonance tagging. *J Cardiovasc Magn Reson*. 2013;15:37. doi: 10.1186/1532-429X-15-37.](http://www.ncbi.nlm.nih.gov/pubmed/23663535)
5. [Donekal S, Venkatesh BA, Liu YC, Liu CY, Yoneyama K, Wu CO, Nacif M, Gomes AS, Hundley WG, Bluemke DA, Lima JA. Interstitial Fibrosis, Left Ventricular Remodeling, and Myocardial Mechanical Behavior in a Population-Based Multiethnic Cohort: The Multi-Ethnic Study of Atherosclerosis (MESA) Study. *Circ Cardiovasc Imaging*. 2014;7(2)292-302.](http://www.ncbi.nlm.nih.gov/pubmed/24550436)
6. [Doney B, Hnizdo E, Graziani M, Kullman G, Burchfiel C, Baron S, Fujishiro K, Enright P, Hankinson JL, Stukovsky KH, Martin CJ, Donohue KM, Barr RG. Occupational Risk Factors for COPD Phenotypes in the Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study. *COPD*. 2014;11(4):368-380.](http://www.ncbi.nlm.nih.gov/pubmed/24568208)

1. [Donohue KM, Demenais F, Margaritte-Jeannin P, Barnes KC, Cookson WOC, Altmuller J, Ang W, Barr RG, Beaty TH, Becker AB, Beilby J, Bisgaard H, Bjornsdottir US, Bleecker E, Bonnelykke K, Boomsma DI, Bouzigon E, Brightling CE, Brossgard M, Brusselle GG, Burchard E, Burkart KM, Bush A, Chan-Yeung M, Chung KF, Couto Alves A, Curtin JA, Custovic A, Daley D, de Jongste JC, Del-Rio-Navarro BE, Duijts L, Eng C, Eriksson JG, Farrall M, Fedorova Y, Feenstra B, Ferreira MA; Australian Asthma Genetics Consortium (AAGC) collaborators, Freidin MB, Gajdos Z, Guaderman J, Gehring U, Geller F, Genuneit J, Gharib SA, Gilliand F, Granell R, Graves PE, Gudbjartsson DF, Haahtela T, Heckbert SR, Heederik D, Heinrich J, Heliovaara M, Henderson J, Himes BE, Hirose H, Hirschhorn JN, Hofman A, Holt P, Hottenga J, Hudson TJ, Hui J, Imboden M, Ivanov V, Jaddoe VWV, James A, Janson C, Jarvelin MR, Jarvis D, Jones G, Jonsdottir I, Jousilahti P, Kabesch M, Kahonen M, Kantor DB, Karunas AS, Khusnutdinova E, Koppelman GH, Kozyrskyj AL, Kreiner E, Kubo M, Kumar R, Kumar A, Kuokkanen M, Lahousse L. Laitinen T, Laprise C, Lathrop M, Lau S, Lee YA, Lehtimaki T, Letort S, Levin AM, Li G, Liang L, Loehr LR, London SJ, Loth DW, Manichaikul A, Marenholz I, Martinez FJ, Matheson MC, Mathias RA, Matsumoto K, Mbarek H, McArdle WL, Melbye M, Melen E, Meyers D, Michel S, Mohamdi H, Musk AW, Myers RA, Nieuwenhuis MAE, Noguchi E, O’Connor GT, Ogorodova LM, Palmer CD, Palotie A, Park JE, Pennell CE, Pershagen G, Polonikov A, Postma DS, Probst-Hensch N, Puzyrev VP, Raby BA, Raitakari OT, Ramasamy A, Rich SS, Robertson DF, Romieu I, Salman MT, Salomaa V, Schlunssen V, Scott R, Selivanova PA, Sigsgaard T, Simpson A, Siroux V, Smith LJ, Solodilova M, Standl M, Stefansson K, Strachan DP, Stricker BH, Takahashi A, Thompson PJ, Thorleifsson G, Thorsteinsdottir U, Tiesler CMT, Togerson DG, Tsunoda T, Uitterlinden AG, van der Valk RJP, Vaysse A, Vedantam S, von Berg A, von Mutius E, Vonk JM, Waage J, Wareham NJ, Weiss ST, White WB, Wickman M, Widen E, Willemsen G, Williams LK Wouters IM, Yang JJ, Zhao JH, Moffatt MF, Ober C, Nicolae DL. Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks.](https://www.ncbi.nlm.nih.gov/pubmed/29273806) *[Nat Genet](https://www.ncbi.nlm.nih.gov/pubmed/29273806)*[. 2018;50(1):42-53.](https://www.ncbi.nlm.nih.gov/pubmed/29273806)
2. [Donohue KM, Hoffman EA, Baumhauer H, Guo J, Ahmed FS, Lovasi GS, Jacobs DR Jr, Enright P, Barr RG. Asthma and lung structure on computed tomography: the Multi-Ethnic Study of Atherosclerosis Lung Study. *J Allergy Clin Immunol*. 2013;131(2):361-368.](http://www.ncbi.nlm.nih.gov/pubmed/23374265)
3. [Donohue KM, Hoffman EA, Baumhauer H, Guo J, Budoff M, Austin JH, Kalhan R, Kawut S, Tracy R, Graham Barr R. Cigarette smoking and airway wall thickness on CT scan in a multi-ethnic cohort: The MESA Lung Study. *Respir Med*. 2012;106(12):1655-1664.](http://www.ncbi.nlm.nih.gov/pubmed/22974831)
4. [Doubleday A, Knott CJ, Hazlehurst MF, Bertoni AG, Kaufman JD, Hajat A. Neighborhood greenspace and risk of type 2 diabetes in a prospective cohort: the Multi-Ethnic Study of Atherosclerosis. *Environ Health*. 2022;21(1):18. doi: 10.1186/s12940-021-00824-w.](https://pubmed.ncbi.nlm.nih.gov/35034636/)
5. [Doughan M, Chehab O, Doria de Vasconcellos H, Zeitoun R, Varadarajan V, Doughan B, Wu CO, Blaha MJ, Bluemke DA, Lima JAC. Periodontal Disease Associated With Interstitial Myocardial Fibrosis: The Multiethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2023;12(3):e8146. doi: 10.1161/JAHA. 122.027974.](https://pubmed.ncbi.nlm.nih.gov/36718872/)
6. [Doyle MF, Tracy RP, Parikh MA, Hoffman EA, Shimbo D, Austin JH, Smith BM, Hueper K, Vogel-Claussen J, Lima J, Gomes A, Watson K, Kawut S, Barr RG. Endothelial progenitor cells in chronic obstructive pulmonary disease and emphysema. *PLoS One*. 2017;12(3):e0173446. doi: 10.1371/journal pone.0173446. eCollection 2017.](https://www.ncbi.nlm.nih.gov/pubmed/28291826)
7. [Dries DL, Victor RG, Rame JE, Cooper RS, Wu X, Zhu X, Leonard D, Ho SI, Wu Q, Post W, Drazner MH. Corin gene minor allele defined by 2 missense mutations is common in blacks and associated with high blood pressure and hypertension. *Circulation*. 2005;112(16):2403-2410.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16216958)
8. [Driver TH, Shlipak MG, Katz R, Goldenstein L, Sarnak MJ, Hoofnagle AN, Siscovick DS, Kestenbaum B, de Boer IH, Ix JH. Low Serum Bicarbonate and Kidney Function Decline: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2014;64(4):534-541.](http://www.ncbi.nlm.nih.gov/pubmed/24953891)
9. [Dron JS, Patel AP, Zhang Y, Jurgens SJ, Maamari DJ, Wang M, Boerwinkle E, Morrison AC, de Vries PS, Fornage M, Hou L, Lloyd-Jones DM, Psaty BM, Tracy RP, Bis JC, Vasan RS, Levy D, Heard-Costa N, Rich SS, Guo X, Taylor KD, Gibbs RA, Rotter JI, Willer CJ, Oelsner EC, Moran AE, Peloso GM, Natarajan P, Khera AV. Associatoin of Rare Protein-Truncating DNA Variants in APOB or PCSK9 With Low-density Lipoprotien Cholesterol Level and Risk of Coronary Heart Disease. *JAMA Cardiol*. 2023;8(3):258-267.](https://pubmed.ncbi.nlm.nih.gov/36723951/)

1. [D’Souza JC, Kawut SM, Elkayam LR, Sheppard L, Thorne PS, Jacobs DR Jr, Bluemke DA, Lima JAC, Kaufman JD, Larson TV, Adar SD. Ambient Course Particulate Matter and The Right Ventricle: The Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect*. 2017;125(7):077019. doi: 10.1289/EHP658.](https://www.ncbi.nlm.nih.gov/pubmed/28760719)
2. [D’Souza J, Weuve J, Brook RD, Evans DA, Kaufman JD, Adar SD. Long-Term Exposures to Urban Noise and Blood Pressure Levels and Control Among Older Adults. *Hypertension*. 2021;78(6):1801-1808.](https://pubmed.ncbi.nlm.nih.gov/34689591/)
3. [Du J, Zhou X, Clark-Boucher D, Hao W, Liu Y, Smith JA, Mukherjee B. Methods for large-scale single mediator hypothesis testing: Possible choices and comparisons. *Genet Epidemiol*. 2023;47(2):167-184.](https://pubmed.ncbi.nlm.nih.gov/36465006/)
4. [Dubin R, Cushman M, Folsom AR, Fried LF, Palmas W, Peralta CA, Wassel C, Shlipak MG. Kidney function and multiple hemostatic markers: cross sectional associations in the multi-ethnic study of atherosclerosis. *BMD Nephrol*. 2011;12:3.](http://www.ncbi.nlm.nih.gov/pubmed/21269477)
5. [Dubin R, Shlipak M, Li Y, Ix J, de Boer IH, Jenny N, Peralta CA. Racial differences in the association of pentraxin-3 with kidney dysfunction: the Multi-Ethnic Study of Atherosclerosis. *Nephrol Dial Transplant*. 2011;26(6):1903-1908.](http://www.ncbi.nlm.nih.gov/pubmed/21079193)
6. [Dulin-Keita AJ, Park JW, Scarpaci MM, Dionne LA, Sims M, Needham BL, Fava JL, Eaton CB, Kanaya AM, Kandula NR, Loucks EB, Howe CJ. Examining relationships between perceived neighborhood social cohesion and ideal cardiovascular health and whether psychosocial stressors modify observed relationships among JHS, MESA, and MASALA participants. *BMC Public Health*. 2022;22(1):1890. doi: 10.1186/s12889-022-14270-x.](https://pubmed.ncbi.nlm.nih.gov/36221065/)
7. [Duprez DA, Forbang NI, Allison MA, Peralta CA, Shea S, Jacobs DR Jr. Association of C2, a derivative of the radial artery pressure waveform, with new onset of type 2 diabetes mellitus: the MESA study. *Cardiovasc Diabetol*. 2019;18(1):62. doi: 10.1186/s12933-019-0868-3.](https://www.ncbi.nlm.nih.gov/pubmed/31101116)
8. [Duprez DA, Gross MD, Ix JH, Kizer JR, Tracy RP, Shea S, Jacobs DR Jr. Collagen biomarkers predict new onset of hypertension in normotensive participants: the Multi-Ethnic Study of Atherosclerosis. *J Hypertens*. 2018;36(11):2245-2250.](https://www.ncbi.nlm.nih.gov/pubmed/29782392)
9. [Duprez DA, Gross MD, Ix JH, Peralta CA, Kizer JR, Shea S, Jacobs DR Jr. Collagen biomarkers are associated with decline in renal function independently of blood pressure and other cardiovascular risk factors: the Multi-Ethnic Study of Atherosclerosis Study. *J Hypertens*. 2019;37(12):2398-2403.](https://www.ncbi.nlm.nih.gov/pubmed/31356403)
10. [Duprez DA, Gross M, Kizer JR, Ix JH, Hundley WG, Jacobs DR Jr. Predictive Value of Collagen Biomarkers for Heart Failure With and Without Preserved Ejection Fraction: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2018;7(5). pii: e007885. doi: 10.1161/JAHA.117.007885.](https://www.ncbi.nlm.nih.gov/pubmed/29475876)
11. [Duprez DA, Gross MD, Sanchez OA, Kizer JR, Ix JH, Lima J, Tracy RP, Jacobs DR Jr. Collagen Turnover Markers in Relation to Future Cardiovascular and Noncardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *Clin Chem*. 2017;63(7):1237-1247.](https://www.ncbi.nlm.nih.gov/pubmed/28515098)
12. [Duprez DA, Hearst MO, Lutsey PL, Herrington DM, Ouyang P, Barr RG, Bluemke DA, McAllister D, Carr JJ, Jacobs DR Jr. Associations among lung function, arterial elasticity, and circulating endothelial and inflammation markers: the multiethnic study of atherosclerosis. *Hypertension*. 2013;61(2):542-548.](http://www.ncbi.nlm.nih.gov/pubmed/23283358)
13. [Duprez DA, Heckbert SR, Alonso A, Gross MD, Ix JH, Kizer JR, Tracy RP, Kronmal R, Jacobs DR. Jr. Collagen Biomarkers and Incidence of New Onset of Atrial Fibrillation in Subjects With No Overt Cardiovascular Disease at Baseline. *Circ Arrhythm Electrophysiol*. 2018;11(10):e006557. doi: 10.1161/CIRCCEP.118.006557.](https://www.ncbi.nlm.nih.gov/pubmed/30354407)
14. [Duprez DA, Jacobs Jr DR, Andrews LIB, Brumback LC, Denenberg JO, McClelland RL, Thomas IC, Criqui MH, Allison MA. Inter-arm systolic blood pressure difference: non-persistence and association with incident cardiovascular disease in the Multi-ethnic Study of Atherosclerosis. *J Hum Hypertens*. 2023;37(3):197-204.](https://pubmed.ncbi.nlm.nih.gov/35296776/)
15. [Duprez DA, Jacobs DR Jr, Lutsey PL, Bluemke DA, Brumback LC, Polak JF, Peralta CA, Greenland P, Kronmal RA. Association of small artery elasticity with incident cardiovascular disease in older adults: the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2011;174(5):528-536.](http://www.ncbi.nlm.nih.gov/pubmed/21709134)
16. [Duprez DA, Jacobs DR Jr, Lutsey PL, Herrington D, Prime D, Ouyang P, Barr RG, Bluemke DA. Race/ethnic and sex differences in large and small artery elasticity -- results of the multi-ethnic study of atherosclerosis (MESA). *Ethn Dis*. 2009;19(3):243-250.](http://www.ncbi.nlm.nih.gov/pubmed/19769004?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
17. [Duprez DA, Otvos J, Sanchez OA, Mackey RH, Tracy R, Jacobs DR. Jr. Comparison of the Predictive Value of GlycA and Other Biomarkers of Inflammation for Total Death, Incident Cardiovascular Events, Noncardiovascular and Noncancer Inflammatory-Related Events, and Total Cancer Events. *Clin Chem.* 2016;62(7):1020-1031.](http://www.ncbi.nlm.nih.gov/pubmed/27173011)
18. [Duprez DA, Otvos J, Tracy RP, Feingold KR, Greenland P, Gross MD, Lima JA, Mackey RH, Neaton JD, Sanchez OA, Jacobs DR. High-Density Lipoprotein Subclasses and Noncardiovascular, Noncancer Chronic Inflammatory-Related Events Versus Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2015;4(9).pii:e002295.doi:10.1161/JAHA.115.002295.](http://www.ncbi.nlm.nih.gov/pubmed/26370448)
19. [Durda P, Sabourin J, Lange EM, Nalls MA, Mychaleckyj JC, Jenny NS, Li J, Walston J, Harris TB, Psaty BM, Valdar W, Liu Y, Cushman M, Reiner AP, Tracy RP, Lange LA. Plasma Levels of Soluble Interleukin-2 Receptor a: Associations With Clinical Cardiovascular Events and Genome-Wide Association Scan. *Arterioscler Thromb Vasc Biol*. 2015;35(10):2246-2253.](https://www.ncbi.nlm.nih.gov/pubmed/26293465)
20. [Dzaye O, Berning P, Dardari ZA, Mortensen MB, Marshal CH, Nasir K, Budoff MJ, Blumenthal RS, Whelton SP, Blaha MJ. Coronary artery calcium is associated with increased risk for lung and colorectal cancer in men and women: the Multi-Ethnic Study of Atherosclerosis (MESA). *Eur Heart J Cardiovasc Imaging*. 2022;23(5):708-716.](https://pubmed.ncbi.nlm.nih.gov/34086883/)
21. [Dzaye O, Dardari ZA, Cainzos-Achirica M, Blankstein R, Agatston AS, Duebgen M, Yeboah J, Szklo M, Budoff MJ, Lima JAC, Blumenthal RS, Nasir K, Blaha MJ. Warranty Period of Calcium Score of Zero: Comprehensive Analysis From MESA. *JACC Cardiovasc Imaging*. 2021;14(5):990-1002.](https://pubmed.ncbi.nlm.nih.gov/33129734/)
22. [Dzaye O, Dardari ZA, Cainzos-Achirica M, Blankstein R, Szklo M, Budoff MJ, Lima JAC, Blumenthal RS, Nasir K, Blaha MJ. Incidence of New Coronary Calcification: Time to Conversion From CAC =0. *J Am Coll Cardiol*. 2020;75(13):1610-1613.](https://www.ncbi.nlm.nih.gov/pubmed/32241379)
23. [Eamranond PP, Legedza AT, Diez-Roux AV, Kandula NR, Palmas W, Siscovick DS, Mukamal KJ. Association between language and risk factor levels among Hispanic adults with hypertension, hypercholesterolemia, or diabetes. *Am Heart J*. 2009;157(1):53-59.](http://www.ncbi.nlm.nih.gov/pubmed/19081396?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
24. [Easthausen I, Podolanczuk A, Hoffman E, Karwat S, Oelsner E, Kim JS, Raghu G, Stukovsky KH, Redline S, McClelland RL, Barr RG, Lederer DJ. Reference values for high attenuation areas on chest CT in a healthy, never-smoker, multi-ethnic sample: The MESA study. *Respirology*. 2020;25(8):855-862.](https://pubmed.ncbi.nlm.nih.gov/32064731/)
25. [Ebong IA, Bertoni AG, Soliman EZ, Guo M, Sibley CT, Chen YD, Rotter JI, Chen YC, Goff DC Jr. Electrocardiographic abnormalities associated with the metabolic syndrome and its components: the multi-ethnic study of atherosclerosis. *Metab Syndr Relat Disord*. 2012;10(2):92-97.](http://www.ncbi.nlm.nih.gov/pubmed/22053762)
26. [Ebong IA, Goff DC Jr, Rodriguez CJ, Chen H, Bluemke DA, Szklo M, Bertoni AG. The relationship between measures of obesity and incident heart failure: The multi-ethnic study of atherosclerosis. *Obesity (Silver Spring)*. 2013;21(9):1915-1922.](http://www.ncbi.nlm.nih.gov/pubmed/23441088)
27. [Ebong IA, Goff DC Jr, Rodriguez CJ, Chen H, Sibley CT, Bertoni AG. Association of lipids with incident heart failure among adults with and without diabetes mellitus: multiethnic study of atherosclerosis. *Circ Heart Fail*. 2013;6(3):371-378.](http://www.ncbi.nlm.nih.gov/pubmed/23529112)
28. [Ebong IA, Watson KE, Goff DC Jr, Bluemke DA, Srikanthan P, Horwich T, Bertoni AG. Age at menopause and incident heart failure: the Multi-Ethnic Study of Atherosclerosis. *Menopause*. 2014;21(6):585-591.](http://www.ncbi.nlm.nih.gov/pubmed/24423934)
29. [Ebong IA, Watson KE, Goff DC Jr, Bluemke DA, Srikanthan P, Horwich T, Bertoni AG. Association of menopause age and N-terminal pro brain natriuretic peptide: the Multi-Ethnic Study of Atherosclerosis. *Menopause*. 2015;22(5):527-533.](http://www.ncbi.nlm.nih.gov/pubmed/25290536)
30. [Ebong IA, Watson KE, Hairston KG, Carnethon MR, Ouyang P, Szklo M, Bertoni AG. Body fat distribution, menopausal hormone therapy and incident type 2 diabetes in postmenopausal women of the MESA study. *Maturitas*. 2016;91:147-152.](http://www.ncbi.nlm.nih.gov/pubmed/27451334)
31. [Echeverria S, Diez-Roux AV, Shea S, Borrell LN, Jackson S. Associations of neighborhood problems and neighborhood social cohesion with mental health and health behaviors: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2008;14(4):851-863.](http://www.ncbi.nlm.nih.gov/pubmed/18328772?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

1. [Echouffo-Tcheugui JB, Ogunmoroti O, Golden SH, Bertoni AG, Mongraw-Chaffin M, Pandey A, Ndumele CE, Michos ED. Glycemic Markers and Heart Failure Subtypes: The Multi-Ethnic Study of Atherosclerosis (MESA).](https://pubmed.ncbi.nlm.nih.gov/35114382/) *[J Card Fail](https://pubmed.ncbi.nlm.nih.gov/35114382/)*[. 2022;28(11):1593-1603.](https://pubmed.ncbi.nlm.nih.gov/35114382/)
2. [Eckhardt CM, Balte PP, Barr RG, Bertoni AG, Bhatt SP, Cuttica M, Cassano PA, Chaves P, Couper D, Jacobs DR, Kalhan R, Kronmal R, Lange L, Loehr L, London SJ, O’Connor GT, Rosamond W, Sanders J, Schwartz JE, Shah A, Shah SJ, Smith L, White W, Yende S, Oelsner EC. Lung function impairment and risk of incident heart failure: the NHLBI Pooled Cohorts Study. *Eur Heart J*. 2022;43(23):2196-2208.](https://pubmed.ncbi.nlm.nih.gov/35467708/)
3. [Edvardsen T, Detrano R, Rosen BD, Carr JJ, Liu K, Lai S, Shea S, Pan L, Bluemke DA, Lima JA. Coronary artery atherosclerosis is related to reduced regional left ventricular function in individuals without history of clinical cardiovascular disease: the Multiethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16269666) *[Arterioscler Thromb Vasc Biol](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16269666)*[. 2006;26(1):206-211.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16269666)

1. [Edvardsen T, Rosen BD, Pan L, Jerosch-Herold M, Lai S, Hundley WG, Sinha S, Kronmal RA, Bluemke DA, Lima JA. Regional diastolic dysfunction in individuals with left ventricular hypertrophy measured by tagged magnetic resonance imaging–The Multi-Ethnic Study of Atherosclerosis (MESA).](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16368301&query_hl=1&itool=pubmed_docsum) *[Am Heart J.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16368301&query_hl=1&itool=pubmed_docsum)* [2006;151(1):109-114.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16368301&query_hl=1&itool=pubmed_docsum)
2. [Effoe VS, Chen H, Moran A, Bertoni AG, Bluemke DA, Seeman T, Darwin C, Watson KE, Rodriguez CJ. Acculturation is associated with left ventricular mass in a multiethnic sample: the Multi-Ethnic Study of Atherosclerosis. *BMC Cardiovasc Disord*. 2015;15:161. doi: 10/1186/s12872-015-0157-3.](http://www.ncbi.nlm.nih.gov/pubmed/26631068)
3. [Einson J, Glinos D, Boerwinkle E, Castaldi P, Darbar D, de Andrade M, Ellinor P, Fornage M, Gabriel S, Germer S, Gibbs R, Hersh CP, Johnson J, Kaplan R, Konkle BA, Kooperberg C, Nassir R, Loos RJF, Meyers DA, Mitchell BD, Psaty B, Vasan RS, Rich SS, Rienstra M, Rotter JI, Saferali A, Shoemaker MB, Silverman E, Smith AV; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Mohammadi P, Castel SE, Iossifov I, Lappalainen T. Genetic control of mRNA splicing as a potential mechanism for incompete penetrance of rare coding variants. *Genetics*. 2023;224(4):iyad115. doi: 10.1093/genetics/iyad115.](https://pubmed.ncbi.nlm.nih.gov/37348055/)
4. [Elgart M, Goodman MO, Isasi C, Chen H, Morrison AC, de Vries PS, Xu H, Manichaikul AW, Guo X, Franceschini N, Psaty BM, Rich SS, Rotter JI, Lloyd-Jones DM, Fornage M, Correa A, Heard-Costa NL, Vasan RS, Hernandez R, Kaplan RC, Redline S; Trans-Omics for Precision Medicince (TOPMed) Consortium; Sofer T. Correlations between complex human phenotypes vary by genetic background, gender, and environment. *Cell Rep Med*. 2022;3(12):100844. doi: 10.1016/j.xcrm.2022.100844.](https://pubmed.ncbi.nlm.nih.gov/36513073/)
5. [El Husseini N, Schaich CL, Craft S, Rapp SR, Hayden KM, Sharret R, Cotch MF, Wong TY, Luchsinger JA, Espeland MA, Baker LD, Bertoni AG, Hughes TM. Retinal vessel caliber and cognitive performance: the multi-ethnic study of atherosclerosis (MESA). *Sci Rep*. 2024;14(1):4120. doi 10.1038/s41598-024-54412-2.](https://pubmed.ncbi.nlm.nih.gov/38374377/)
6. [El Khoudary SR, Ceponiene I, Samargandy S, Stein JH, Li D, Tattersall MC, Budoff MJ. HDL (High-Density Lipoprotein) Metrics and Atherosclerotic Risk in Women. *Arterioscler Thromb Vasc Biol*. 2018;38(9):2236-2244.](https://www.ncbi.nlm.nih.gov/pubmed/30026268)

1. [El Khoudary SR, Samargandy S, Zeb I, Foster T, de Boer IH, Li D. Budoff MJ. Serum 25-hydroxyvitamin-D and nonalcoholic fatty liver disease: Does race/ethnicity matter? Findings from the MESA cohort.](https://www.ncbi.nlm.nih.gov/pubmed/31761548) *[Nutr Metab Cardiovasc Dis](https://www.ncbi.nlm.nih.gov/pubmed/31761548)*[. 2020;30(1):114-122.](https://www.ncbi.nlm.nih.gov/pubmed/31761548)
2. [Elmaleh-Sachs A, Balte P, Oelsner EC, Allen NB, Baugh A, Bertoni AG, Hankinson JL, Pankow J, Post WS, Schwartz JE, Smith BM, Watson K, Barr RG. Race/Ethnicity, Spirometry Reference Equations, and Prediction of Incident Clinical Events: The Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study. *Am J Respir Crit Care Med*. 2022;205(6):700-710.](https://pubmed.ncbi.nlm.nih.gov/34913853/)
3. [Elmariah S, Budoff MJ, Delaney JA, Hamirani Y, Eng J, Fuster V, Kronmal RA, Halperin JL, O’Brien KD. Risk factors associated with the incidence and progression of mitral annulus calcification: the multi-ethnic study of atherosclerosis. *Am Heart J*. 2013;166(5):904-912.](http://www.ncbi.nlm.nih.gov/pubmed/24176447)
4. [Elmariah S, Delaney JA, Bluemke DA, Budoff MJ, O’Brien KD, Fuster V, Kronmal RA, Halperin JL. Associations of LV Hypertrophy With Prevalent and Incident Valve Calcification: Multi-Ethnic Study of Atherosclerosis. *JACC Cardiovasc Imaging*. 2012;5(8):781-788.](http://www.ncbi.nlm.nih.gov/pubmed/22897991)
5. [Elmariah S, Delaney JA, O’Brien KD, Budoff MJ, Vogel-Claussen J, Fuster V, Kronmal RA, Halperin JL. Biophosphonate Use and Prevalence of Valvular and Vascular Calcification in Women MESA (The Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2010;56(21):1752-1759.](http://www.ncbi.nlm.nih.gov/pubmed/21070928)
6. [Elshazly MB, Abdellatif A, Dargham SR, Al Rifai M, Quispe R, Cainzos-Achirica M, Martin SS, Yeboah J, Psaty BM, Post WS, Nasir K, Budoff MJ, Blumenthal RS, Blaha MJ, McEvoy JW. Role of Coronary Artery and Thoracic Aortic Calcium as Risk Modifiers to Guide Antihypertensive Therapy in Stage 1 Hypertension (From the Multiethnic Study of Atherosclerosis). *Am J Cardiol*. 2020;126:45-55.](https://pubmed.ncbi.nlm.nih.gov/32359719/)
7. [Eng J, McClelland RL, Gomes AS, Hundley WG, Cheng S, Wu CO, Carr JJ, Shea S, Bluemke DA, Lima JA. Adverse Left Ventricular Remodeling and Age Assessed with Cardiac MR Imaging: The Multi-Ethnic Study of Atherosclerosis. *Radiology*. 2016;278(3):714-722.](http://www.ncbi.nlm.nih.gov/pubmed/26485617)
8. [Erbel R, Delaney JA, Lehmann N, McClelland RL, Mohlenkamp S, Kronmal RA, Schmermund A, Moebus S, Dragano N, Stang A, Jockel KH, Budoff MJ; on behalf of the Multi-Ethnic Study of Atherosclerosis and the Investigator Group of the Heinz Nixdorf Recall Study. Signs of subclinical coronary atherosclerosis in relation to risk factor distribution in the Multi-Ethnic Study of Atherosclerosis (MESA) and the Heinz Nixdorf Recall Study (HNR). *Eur Heart J*. 2008;29(22):2782-2791.](http://www.ncbi.nlm.nih.gov/pubmed/18845666?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
9. [Evensen LH, Folsom AR, Pankow JS, Hansen JB, Allison MA, Cushman M, Lutsey PL. Hemostatic factors, inflammatory markers, and risk of incident venous thromboembolism: The Multi-Ethnic Study of Atherosclerosis. *J Thromb Haemost*. 2021;19(7):1718-1728.](https://pubmed.ncbi.nlm.nih.gov/33773045/)
10. [Evenson KR, Block R, Diez Roux AV, McGinn AP, Wen F, Rodriguez DA. Associations of adult physical activity with perceived safety and police-recorded crime: the Multi-ethnic Study of Atherosclerosis. *Int J Behav Nutr Phys Act*. 2012;9:146. doi: 10:1186/1479-5868-9-146.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Associations+of+adult+physical+activity+with+perceived+safety+and+police+recorded+crime%3A+the+Multi-ethnic)
11. [Everson-Rose SA, Lutsey PL, Roetker NS, Lewis TT, Kershaw KN, Alonso A, Diez Roux AV. Perceived Discrimination and Incident Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2015;182(3):225-234.](http://www.ncbi.nlm.nih.gov/pubmed/26085044)
12. [Everson-Rose SA, Mendes de Leon CF, Roetker NS, Lutsey PL, Alonso A. Subclinical Cardiovascular Disease and Changes in Self-Reported Mobility: Multi-Ethnic Study of Atherosclerosis. *J* *Gerontol A Biol Sci Med Sci*. 2018;73(2):218-224.](https://www.ncbi.nlm.nih.gov/pubmed/28582505)
13. [Everson-Rose SA, Roetker NS, Lutsey PL, Kershaw KN, Longstreth WT Jr, Sacco RL, Diez Roux AV, Alonso A. Chronic stress, depressive symptoms, anger, hostility, and risk of stroke and transient ischemic attack in the multi-ethnic study of atherosclerosis. *Stroke*. 2014;45(8):2318-2323.](http://www.ncbi.nlm.nih.gov/pubmed/25013018)

1. [Ezeigwe A, Fashanu OE, Zhao D, Budoff MJ, Otvos JD, Thomas IC, Mora S, Tibuakuu M, Michos ED. The novel inflammatory marker GlycA and the prevalence and progression of valvular and thoracic aortic calcification: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2019;282:91-99.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ezeigwe+A)
2. [Ezeigwe A, Ogunmoroti O, Minhas AS, Rodriguez CP, Kazzi B, Fashanu OE, Osibogun O, Kovel LC, Harrington CM, Michos ED. Association between parity and markers of inflammation: The multi-ethnic study of atherosclerosis. *Front Cardiovasc Med*. 2022;9:922367. doi: 10.3389/fcvm.2022.922367. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/36186982/)
3. [Fahed AC, Aragam KG, Hindy G, Chen YDI, Chaudhary K, Dobbyn A, Krumholz HM, Sheu WHH, Rich SS, Rotter JI, Chowdhury R, Cho J, Do R, Ellinor PT, Kathiresan S, Khera AV. Transethnic Transferability of a Genome-Wide Polygenic Score for Coronary Artery Disease. *Circ Genom Precis Med*. 2021;14(1):e003092. doi: 10.1161/CIRCGEN.120.003092.](https://pubmed.ncbi.nlm.nih.gov/33284643/)
4. [Farber CR, Mesner LD, Ray B, Hsu YH, Manichaikul A, Lum E, Bryda EC, Rich SS, Rosen CJ, Criqui MH, Allison M, Budoff MJ, Clemens TL. Bicc1 is a genetic determinant of osteoblastogenesis and bone mineral density. *J Clin Invest*. 2014;124(6):2736-2749.](https://www.ncbi.nlm.nih.gov/pubmed/24789909)
5. [Fashanu OE, Bizanti A, Al-Abdouh A, Zhao D, Budoff MJ, Thomas IC, Longstreth Jr WT, Michos ED. Progression of valvular calcification and risk of incident stroke: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2020;307:32-38.](https://pubmed.ncbi.nlm.nih.gov/32738574/)
6. [Fashanu OE, Oyenuga AO, Zhao D, Tibuakuu M, Mora S, Otvos JD, Stein JH, Michos ED. GlycA, a Novel Inflammatory Marker and Its Association With Peripheral Arterial Disease and Carotid Plaque: The Multi-Ethnic Study of Atherosclerosis. *Angiology*. 2019;70(8):737-746.](https://www.ncbi.nlm.nih.gov/pubmed/31030528)
7. [Fashanu OE, Upadhrasta S, Zhao D, Budoff MJ, Pandey A, Lima JAC, Michos ED. Effect of Progression of Valvular Calcification on Left Ventricular Structure and Frequency of Incident Heart Failure (from the Multiethnic Study of Atherosclerosis). *Am J Cardiol*. 2020;134:99-107.](https://pubmed.ncbi.nlm.nih.gov/32917344/)
8. [Feinstein M, Liu K, Ning H, Fitchett G, Lloyd-Jones DM. Burden of Cardiovascular Risk Factors, Subclinical Atherosclerosis, and Incident Cardiovascular Events Across Dimensions of Religiosity: The Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2010;121(5):659-666.](http://www.ncbi.nlm.nih.gov/pubmed/20100975?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
9. [Feinstein M, Ning H, Kang J, Bertoni A, Carnethon M, Lloyd-Jones DM. Racial differences in risks for first cardiovascular events and noncardiovascular death: the atherosclerosis risk in communities study, the cardiovascular health study, and the multi-ethnic study of atherosclerosis. *Circulation*. 2012;126(1):50-59.](http://www.ncbi.nlm.nih.gov/pubmed/22693351)
10. [Feinstein MJ, Buzkova P, Olson NC, Doyle MF, Sitlani CM, Fohner AE, Huber SA, Floyd J, Sinha A, Thorp EB, Landay A, Freiberg MS, Longstreth Jr WT, Tracy RP, Psaty BM, Delaney JA. Monocyte subsets, T cell activation profiles, and stroke in men and women: The Multi-Ethnic Study of Atherosclerosis and Cardiovascular Health Study. *Atherosclerosis*. 2022;351:18-25.](https://pubmed.ncbi.nlm.nih.gov/35605368/)
11. [Feinstein MJ, Doyle MF, Stein JH, Sitlani CM, Fohner AE, Huber SA, Landay AL, Heckbert SR, Rick K, Kronmal RA, Hedrick C, Manichaikul A, McNamara C, Rich S, Tracy RP, Olson NC, Psaty BM, Delaney JAC. Nonclassical Monocytes (CD14dimCD16+) Are Associated With Carotid Intima-Media Thickness Progression for Men but Not Women: The Multi-Ethnic Study of Atherosclerosis-Brief Report. *Arterioscler Thomb Vasc Biol*. 2021;41(5):1810-1817.](https://pubmed.ncbi.nlm.nih.gov/33761764/)
12. [Feldman DI, Cainzos-Achirca M, Billups KL, DeFilippis AP, Chitaley K, Greenland P, Stein JH, Budoff MJ, Dardari Z, Miner M, Blumenthal RS, Nasir K, Blaha MJ. Subclinical Vascular Disease and Subsequent Erectile Dysfunction: The Multiethnic Study of Atherosclerosis (MESA). *Clin Cardiol*. 2016;39(5):291-298.](https://www.ncbi.nlm.nih.gov/pubmed/27145089)

1. [Ferket BS, Hunink MGM, Masharani U, Max W, Yeboah J, Burke GL, Fleischmann KE. Lifetime Cardiovascular Disease Risk by Coronary Artery Calcium Score in Individuals With and Without Diabetes: An Analysis From the Multi-Ethnic Study of Atherosclerosis.](https://pubmed.ncbi.nlm.nih.gov/35168253/) *[Diabetes Care](https://pubmed.ncbi.nlm.nih.gov/35168253/)*[. 2022;45(4):975-982.](https://pubmed.ncbi.nlm.nih.gov/35168253/)
2. [Fernandes VR, Cheng S, Cheng YJ, Rosen B, Agarwal S, McClelland RL, Bluemke DA, Lima JA. Racial and ethnic differences in subclinical myocardial function: the Multi-Ethnic Study of Atherosclerosis. *Heart*. 2011;97(5):405-410.](http://www.ncbi.nlm.nih.gov/pubmed/21258000)
3. [Fernandes VR, Edvardsen T, Rosen BD, Carvalho B, Campos O, Cordeiro MA, Kronmal R, Bluemke DA, Lima JA. The influence of left ventricular size and global function on regional myocardial contraction and relaxation in an adult population free of cardiovascular disease: a tagged CMR study of the MESA cohort. *J Cardiovasc Magn Reson*. 2007;9(6):921-930.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=18066753&ordinalpos=7&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
4. [Fernandes VR, Polak JF, Cheng S, Rosen BD, Carvalho B, Nasir K, McClelland R, Hundley G, Pearson G, O’Leary DH, Bluemke DA, Lima JA. Arterial Stiffness Is Associated With Regional Ventricular Systolic and Diastolic Dysfunction. The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol.* 2008;28(1):194-201.](http://www.ncbi.nlm.nih.gov/pubmed/17962621?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
5. [Fernandes VR, Polak JF, Edvardsen T, Carvalho B, Gnomes A, Bluemke DA, Nasir K, O’Leary DH, Lima JA. Subclinical Atherosclerosis and Incipient Regional Myocardial Dysfunction in Asymptomatic Individuals: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Coll Cardiol.* 2006;47(12):2420-2428.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=Abstract&list_uids=16781369&query_hl=1&itool=pubmed_docsum)
6. [Fernandez AB, Ballard KD, Wong TY, Guo M, McClelland RL, Burke G, Cotch ME, Klein B, Allison M, Klein R. Age-related macular degeneration and progression of coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2018;13(7):e0201000. doi: 10.1371/journal.pone.0201000. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/30020999)
7. [Fernandez AB, Wong TY, Klein R, Collins D, Burke G, Cotch MF, Klein B, Sadeghi MM, Chen J. Age-related macular degeneration and incident cardiovascular disease: the multi-ethnic study of atherosclerosis. *Ophthalmology*. 2012;119(4):765-770.](http://www.ncbi.nlm.nih.gov/pubmed/22197438)
8. [Ferraro RA, Ogunmoroti O, Zhao D, Ndumele CE, Lima JAC, Varadarajan V, Subramanya V, Pandey A, Larson NB, Bielinski SJ, Michos ED. Hepatocyte Growth Factor and 10-Year Change in Left Ventricular Structure: The Multi-Ethnic Study of Atherosclerosis (MESA). *CJC Open*. 2023;5(5):364-372.](https://pubmed.ncbi.nlm.nih.gov/37377519/)
9. [Ferraro RA, Ogunmoroti O, Zhao D, Ndumele CE, Rao V, Pandey A, Larson NB, Bielinski SJ, Michos ED. Hepatocyte Growth Factor and Incident Heart Failure Subtypes: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Card Fail*. 2021;27(9):981-990.](https://pubmed.ncbi.nlm.nih.gov/34051347/)
10. [Fisher DE, Klein BE, Wong TY, Rotter JI, Li X, Shrager S, Burke GL, Klein R, Cotch MF. Incidence of Age-Related Macular Degeneration in a Multi-Ethnic United States Population: The Multi-Ethnic Study of Atherosclerosis. *Ophthalmology*. 2016;123(6):1297-1308.](http://www.ncbi.nlm.nih.gov/pubmed/26896123)
11. [Fisher DE, Shrager S, Shea SJ, Burke GL, Klein R, Wong TY, Klein BE, Cotch MF. Visual Impairment in White, Chinese, Black, and Hispanic Participants from the Multi-Ethnic Study of Atherosclerosis Cohort. *Ophthalmic Epidemiol*. 2015;22(5):321-332.](http://www.ncbi.nlm.nih.gov/pubmed/26395659)
12. [Fish-Trotter H, Ferguson JF, Patel N, Arora P, Allen NB, Bachmann KN, Daniels LB, Reilly MP, Lima JAC, Wang TJ, Gupta DK. Inflammation and Circulating Natriuretic Peptide Levels. *Circ Heart Fail*. 2020;13(7):e006570. doi: 10.1161/CIRCHEARTFAILURE.119.006570.](https://pubmed.ncbi.nlm.nih.gov/32507024/)
13. [Fitzpatrick AL, Rapp SR, Luchsinger J, Hill-Briggs F, Alonso A, Gottesman R, Lee H, Carnethon M, Liu K, Williams K, Sharrett AR, Frazier-Wood A, Lyketsos C, Seeman T. Sociodemographic Correlates of Cognition in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Geriatr Psychiatry*. 2015;23(7):684-697.](http://www.ncbi.nlm.nih.gov/pubmed/25704999)
14. [Fleishman MW, Budoff M, Zeb I, Li D, Foster T. NAFLD prevalence differs among hispanic subgroups: The multi-ethnic study of atherosclerosis. *World J Gastroenterol*. 2014;20(17):4987-4993.](http://www.ncbi.nlm.nih.gov/pubmed/?term=NAFLD+prevalence+differs+among+hispanic)
15. [Fliotsos M, Zhao D, Rao VN, Ndumele CE, Guallar E, Burke GL, Vaidya D, Delaney JCA, Michos ED. Body Mass Index From Early-, Mid-, and Older-Adulthood and Risk of Heart Failure and Atherosclerotic Cardiovascular Disease: MESA. *J Am Heart Assoc*. 2018;7(22):e009599. doi: 10.1161/JAHA.118.009599.](https://www.ncbi.nlm.nih.gov/pubmed/30571492)
16. [Florido R, Zhao DI, Ndumele CE, Bluemke DA, Heckbert SR, Allison MA, Ambale-Venkatesh B, Lima J, Michos ED. Change in Physical Activity and Cardiac Structure over 10 Years: The Multi-Ethnic Study of Atherosclerosis. *Med Sci Sports Exerc*. 2019;51(10):2033-2040.](https://www.ncbi.nlm.nih.gov/pubmed/31524816)
17. [Flowers E, Lin F, Kandula NR, Allison M, Carr JJ, Ding J, Shah R, Liu K, Herrington D, Kanaya AM. Body Composition and Diabetes Risk in South Asians: Findings From the MASALA and MESA Studies. *Diabetes Care*. 2019;42(5):946-953.](https://www.ncbi.nlm.nih.gov/pubmed/30796111)
18. [Floyd JS, Sitlani CM, Doyle MF, Feinstein MJ, Olson NC, Heckbert SR, Huber SA, Tracy RP, Psaty BM, Delaney JAC. Immune cell subpopulations as risk factors for atrial fibrillation: The Cardiovascular Health Study and Multi-Ethnic Study of Atherosclerosis. *Heart Rhythm*. 2023;20(2):315-317.](https://pubmed.ncbi.nlm.nih.gov/36270578/)
19. [Flueckiger P, Longstreth W, Herrington D, Yeboah J. Revised Framingham Stroke Risk Score, Nontraditional Risk Markers, and Incident Stroke in a Multiethnic Cohort. *Stroke*. 2018;49(2):363-369.](https://www.ncbi.nlm.nih.gov/pubmed/29311270)
20. [Flueckiger P, Qureshi W, Michos ED, Blaha M, Burke G, Sandfort V, Herrington D, Yeboah J. Guideline-based statin/lipid-lowering therapy eligibility for the primary prevention and accuracy of coronary artery calcium and clinical cardiovascular events: The Multi-Ethnic Study of Atherosclerosis (MESA). *Clin Cardiol*. 2017;40(3):163-169.](https://www.ncbi.nlm.nih.gov/pubmed/27859433)
21. [Flynn S, Srikanthan P, Ravellette K, Inoue K, Watson K, Horwich T. Urinary cortisol and cardiovascular events in women vs. men: The multi-ethnic study of atherosclerosis. *Am Heart J Plus*. 2023:36:100344. doi: 10.1016/.ahjo.2023.100344.](https://pubmed.ncbi.nlm.nih.gov/37982128/)
22. [Folsom AR, Delaney JA, Lutsey PL, Zakai NA, Jenny NS, Polak JF, Cushman M. Associations of factor VIIIc, D-dimer, and plasmin-antiplasmin with incident cardiovascular disease and all-cause mortality.  *Am J Hematol*. 2009;84(6):349-353.](http://www.ncbi.nlm.nih.gov/pubmed/19472201)
23. [Folsom AR, Kronmal RA, Detrano RC, O’Leary DH, Bild DE, Bluemke DA, Budoff MJ, Liu K, Shea S, Szklo M, Tracy RP, Watson KE, Burke GL. Coronary Artery Calcification Compared With Carotid Intima-Media Thickness in Prediction of Cardiovascular Disease Incidence: The Multi-Ethnic Study of Atherosclerosis (MESA). *Arch Intern Med*. 2008;168(12):1333-1339.](http://www.ncbi.nlm.nih.gov/pubmed/18574091?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
24. [Folsom AR, Pankow JS, Li X, Duprez DA, Jacobs DR Jr, Klein R, Klein B, Tang W, Wong TY, Cotch MF, Taylor KD, Rich SS, Hall JL, Post WS, Rotter J. No association of 9p21 with arterial elasticity and retinal microvascular findings. *Atherosclerosis*. 2013;230(2):301-303.](http://www.ncbi.nlm.nih.gov/pubmed/24075760)
25. [Forbang NI, Allison MA, Criqui MH. Lower Aorto-Lliac Bifurcation Position and Incident Cardiovascular Disease: A Multi-Ethnic Study of Atherosclerosis. *Aorta (Stamford)*. 2016;4(5):156-161.](https://www.ncbi.nlm.nih.gov/pubmed/28516090)
26. [Forbang NI, Allison MA, Ix JH, Criqui MH, Vaidya D, Yeboah J, Duprez DA, Jacobs DR Jr. Associations of body composition measures and C2, a marker for small artery elasticity: The MESA. *Obesity (Silver Spring)*. 2015;23(11):2294-2298.](http://www.ncbi.nlm.nih.gov/pubmed/26373903)
27. [Forbang NI, Criqui MH, Allison MA, Ix JH, Steffen BT, Cushman M, Tsai MY. Sex and ethnic differences in the associations between lipoprotein(a) and peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis. *J Vasc Surg*. 2016;63(2):453-458.](http://www.ncbi.nlm.nih.gov/pubmed/26518096)
28. [Forbang NI, Ix JH, Allison MA, Criqui MH. Associations of cardiovascular disease risk factors and calcified atherosclerosis with aortoiliac bifurcation position: the multiethnic study of atherosclerosis. *Angiology*. 2015;66(1):90-95.](http://www.ncbi.nlm.nih.gov/pubmed/24375634)
29. [Forbang NI, McClelland RL, Remigio-Baker RA, Allison MA, Sandfort V, Michos ED, Thomas I, Rifkin DE, Criqui MH. Associations of cardiovascular disease risk factors with abdominal aortic calcium volume and density: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2016;255:54-58.](https://www.ncbi.nlm.nih.gov/pubmed/27816809)
30. [Forbang NI, Michos ED, McClelland RL, Remigio-Baker RA, Allison MA, Sandfort V, Ix JH, Thomas I, Rifkin DE, Criqui MH. Greater Volume but not Higher Density of Abdominal Aortic Calcium Is Associated With Increased Cardiovascular Disease Risk: MESA (Multi-Ethnic Study of Atherosclerosis). *Circ Cardiovasc Imaging*. 2016;9(11). pii: e005138.](https://www.ncbi.nlm.nih.gov/pubmed/27903540)
31. [Forde AT, Lewis TT, Kershaw KN, Bellamy SL, Diez Roux AV. Perceived Discrimination and Hypertension Risk Among Participants in the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2021;10(5):e019541. doi: 10.1161/JAHA.120.019541.](https://pubmed.ncbi.nlm.nih.gov/33596667/)
32. [Forrester SN, Leoutsakos JM, Gallo JJ, Thorpe RJ Jr, Seeman TE. Association between allostatic load and health behaviours: a latent class approach. *J Epidemiol Community Health*. 2019;73(4):340-345.](https://www.ncbi.nlm.nih.gov/pubmed/30700494)
33. [Foster MC, Levey AS, Inker LA, Shafi T, Fan L, Gudnason V, Katz R, Mitchell GF, Okparavero A, Palsson R, Post WS, Shlipak MG. Non-GFR Determinants of Low-Molecular-Weight Serum Protein Filtration Markers in the Elderly: AGES-Kidney and MESA-Kidney. *Am J* *Kidney Dis*. 2017;70(3):406-414.](https://www.ncbi.nlm.nih.gov/pubmed/28549536)
34. [Foster T, Anania FA, Li D, Katz R, Budoff M. The Prevalence and Clinical Correlates of Nonalcoholic Fatty Liver Disease (NAFLD) in African Americans: The Multiethnic Study of Atherosclerosis (MESA). *Dig Dis Sci*. 2013;58(8):2392-2398.](http://www.ncbi.nlm.nih.gov/pubmed/23546700)
35. [Fox CS, Matsushita K, Woodward M, Bilo HJ, Chalmers J, Heerspink HJ, Lee BJ, Perkins RM, Rossing P, Sairenchi T, Tonelli M, Vassalotti JA, Yamagishi K, Coresh J, de Jong PE, Wen CP, Nelson RG; Chronic Kidney Disease Prognosis Consortium. Associations of kidney disease measures with mortality and end-stage renal disease in individuals with and without diabetes: a meta-analysis. *Lancet*. 2012;380(9854):1662-1673.](http://www.ncbi.nlm.nih.gov/pubmed/23013602)
36. [Fox ER, Samdarshi TE, Musani SK, Pencina MJ, Sung JH, Bertoni AG, Xanthakis V, Balfour PC Jr, Shreenivas SS, Covington C, Liebson PR, Sarpong DF, Butler KR, Mosley TH, Rosamond WD, Folsom AR, Herrington DM, Vasan RS, Taylor HA. Development and Validation of Risk Prediction Models for Cardiovascular Events in Black Adults: The Jackson Heart Study Cohort. *JAMA Cardiol*. 2016;1(1):15-25.](http://www.ncbi.nlm.nih.gov/pubmed/27437649)
37. [Franceschini N, Lin BM, Brinde KE, Brody JA, Breeze CE, Raffield LM, Mychaleckyj JC, Thornton TA, Perry JA, Baier LJ, de Las Fuentes L, Guo X, Heavner BD, Hanson RL, Hung YJ, Qian H, Hsiung CA, Hwang SJ, Irvin MR, Jain D, Kelly TN, Kobes S, Lange L, Lash JP, Li Y, Liu X, Mi X, Musani SK, Papanicolaou GJ, Parsa A, Reiner AP, Salimi S, Sheu WHH, Shuldiner AR, Taylor KD, Smith AV, Smith JA, Tin A, Vaidya D, Wallace RB, Yamamoto K, Sakaue S, Matsuda K, Kamatani Y, Momozawa Y, Yanek LR, Young BA, Zhao W, Okada Y, Abecasis G, Psaty BM, Arnett DK, Boerwinkle E, Cai J, Chen IYD, Correa A, Cupples LA, He J, Kardia SL, Kooperberg C, Mathias RA, Mitchell BD, Nickerson DA, Turner ST, Vasan RS, Rotter JI, Levy D, Kramer HJ, Kottgen A, Nhlbi Trans-Omics For Precision Medicine TOPMed Consortium, TOPMed Kidney Working Group, Rich SS, Lin DY, Browning SR. Whole genome sequence analyses of eGFR in 23,732 people representing multiple ancestries in the NHLBI trans-omics for precision medicine (TOPMed) consortium. *EBioMedicine*. 2021;63:103157. doi: 10.1016/j.ebiom.2020.103157.](https://pubmed.ncbi.nlm.nih.gov/33418499/)
38. [Franco M, Diez-Roux AV, Nettleton JA, Lazo M, Brancati F, Caballero B, Glass T, Moore LV. Availability of healthy foods and dietary patterns: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2009;89(3):897-904.](http://www.ncbi.nlm.nih.gov/pubmed/19144728?ordinalpos=12&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
39. [Frazier-Wood AC, Dashti HS, Follis JL, Smith CE, Tanaka T, Cade BE, Gottlieb DJ, Hruby A, Jacques PF, Lamon-Fava S, Richardson K, Saxena R, Scheer FA, Kovanen L, Bartz TM, Perala MM, Jonsson A, Kalafati IP, Mikkila V, Partonen T, Lemaitre RN, Lahti J, Hernandez DG, Toft U, Johnson WC, Kanoni S, Raitakari OT, Perola M, Psaty BM, Ferrucci L, Grarup N, Highland HM, Rallidis L, Kahonen M, Havulinna AS, Siscovick DS, Raikkonen K, Jorgensen T, Rotter JI, Deloukas P, Viikari JS, Mozaffarian D, Linneberg A, Seppala I, Hansen T, Salomaa V, Gharib SA, Erikkson JG, Bandinelli S, Pedersen O, Rich SS, Dedoussis G, Lehtimaki T, Ordovas JM. Habitual sleep duration is associated with BMI and macronutrient intake and may be modified by CLOCK genetic variants. *Am J Clin Nutr*. 2015;101(1):135-143.](https://www.ncbi.nlm.nih.gov/pubmed/25527757)
40. [Frazier-Wood AC, Dashti HS, Follis JL, Smith CE, Tanaka T, Garaulet M, Gottlieb DJ, Hruby A, Jacques PF, Kiefte-de Jong JC, Lamon-Fava S, Scheer FA, Bartz TM, Kovangen L, Wojczynski MK, Ahluwalia TS, Perala MM, Jonsson A, Muka T, Kalafati IP, Mikkila V, Ordovas JM; CHARGE Nutrition Study Group. Gene-Environment Interactions of Circadian-Related Genes for Cardiometabolic Traits. *Diabetes Care*. 2015;38(8):1456-1466.](https://www.ncbi.nlm.nih.gov/pubmed/26084345)
41. [Frazier-Wood AC, Ding M, Huang T, Bergholdt HK, Nordestgaard BG, Ellervik C, Qi L; CHARGE Consortium. Dairy consumption, systolic blood pressure and risk of hypertension: Mendelian randomization study. *BMJ*. 2017;356:j1000. doi: 10.1136/bmj.j1000.](https://www.ncbi.nlm.nih.gov/pubmed/28302601)
42. [Frazier-Wood AC, Imamura F, Fretts A, Marklund M, Ardisson Korat AV, Yang WS, Lankinen M, Qureshi W, Helmer C, Chen TA, Wong K, Bassett JK, Murphy R, Tintle N, Yu CI, Brower IA, Chien KL, Del Gobbo LC, Djousse L, Geleijnse JM, Giles GG, de Goede J, Gudnason V, Harris WS, Hodge A, Hu F; InterAct Consortium, Koulman A, Laakso M, Lind L, Lin HJ, McKnight B, Rajaobelina K, Riserus U, Robinson JG, Samieri C, Siscovick DS, Soedamah-Muthu S, Sotoodehnia N, Sun Q, Tsai MY, Uusitupa M, Wagenknecht LE, Wareham NJ, Wu JH, Micha R, Forouhi NG, Lemaitre RN, Mozaffarian D; Fatty Acidsand Outcomes Research Consortium (FORCE). Fatty acid biomarkers of dairy fat consumption and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. *PLoS Med*. 2018;15(10):e1002670. doi: 10.1371/journal.pmed.1002670. eCollection 2018 Oct.](https://www.ncbi.nlm.nih.gov/pubmed/30303968)
43. [Frazier-Wood AC, Jiang X, O’Reilly PF, Aschard H, Hsu YH, Richards JB, Dupuis J, Ingelsson E, Karasik D, Pilz S, Berry D, Kestenbaum B, Zheng J, Luan J, Sofianopoulou E, Streeten EA, Albanes D, Lutsey P, Yao L, Tang W, Econs MJ, Wallaschofski H, Volzke H, Zhou A, Power C, McCarthy M, Michos ED, Boerwinkle E, Weinstein S, Freedman ND, Huang WY, Van Schoor NM, van der Velde N, Groot LCPGM, Enneman A, Cupples LA, Booth SL, Vasan RS, Liu CT, Zhou Y, Ripatti S, Ohlsson C, Vendenput L, Lorentzon M, Eriksson JG, Shea MK, Houston DK, Kritchevsky SB, Liu Y, Lohman KK, Ferrucci L, Peacock M, Gieger C, Beekman M, Slagboom E, Deelen J, Heemst DV, Kleber ME, Marz W, de Boer IH, Rotter JI, Rich SS, Robinson-Cohen C, den Heijer M, Jarvelin MR, Cavadino A, Joshi PK, Wilson JF, Hayward C, Lind L, Michaelsson K, Trompet S, Zillikens MC, Uitterlinden AG, Rivadeneira F, Broer L, Zgaga L, Campbell H, Theodoratou E, Farrington SM, Timofeeva M, Dunlop MG, Valdes AM, Tikkanen E, Lehtimaki T, Lyytiainen LP, Kahonen M, Raitakari OT, Mikkila V, Ikram MA, Sattar N, Jukema JW, Wareham NJ, Langenberg C, Forouhi NG, Gundersen TE, Khaw KT, Butterworth AS, Danesh J, Spector T, Wang TJ, Hypponen E, Kraft P, Kiel DP. Genome-wide association study in 79,366 European-ancestry individuals informs the genetic architecture of 25-hydroxyvitamin D levels. *Nat Commun*. 2018;9(1):260. doi: 10.1038/s41467-017-02662-2.](https://www.ncbi.nlm.nih.gov/pubmed/29343764)
44. [Frazier-Wood AC, Manichaikul A, Aslibekyan S, Borecki IB, Goff DC, Hopkins PN, Lai CQ, Ordovas JM, Post WS, Rich SS, Sale MM, Siscovick D, Straka RJ, Tiwari HK, Tsai MY, Rotter JI, Arnett DK. Genetic variants associated with VLDL, LDL and HDL particle size differ with race/ethnicity. *Hum Genet*. 2013;132(4):405-413.](http://www.ncbi.nlm.nih.gov/pubmed/23263444)
45. [Frazier-Wood AC, McKeown NM, Dashti HS, Ma J, Haslam DE, Kiefte-de Jong JC, Smith CE, Tanaka T, Graff M, Lemaitre RN, Rybin D, Sonestedt E, Mook-Kanamori DO, Li Y, Wang CA, Leermakers ETM, Mikkila V, Young KL, Mukamal KJ, Cupples LA, Schulz CA, Chen TA, Li-Gao R, Huang T, Oddy WH, Raitakari O, Rice K, Meigs JB, Ericson U, Steffen LM, Rosendaal FR, Hofman A, Kahonen M, Psaty BM, Brunkwall L, Uitterlinden AG, Viikari J, Siscovick DS, Seppala I, North KE, Mozaffarian D, Dupuis J, Orho-Melander M, Rich SS, de Mutsert R, Qi L, Pennell CE, Franco OH, Lehtimaki T, Herman MA. Sugar-sweetened beverage intake associations with fasting glucose and insulin concentrations are not modified by selected genetic variants in a ChREBP-FGF21 pathway: a meta-analysis. *Diabetologia*. 2018;61(2):317-330.](https://www.ncbi.nlm.nih.gov/pubmed/29098321)
46. [Frazier-Wood AC, Mendelian Randomization of Dairy Consumption Working Group. Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. *Clin Chem*. 2018;64(1):183-191.](https://www.ncbi.nlm.nih.gov/pubmed/29187356)
47. [Frazier-Wood AC, Okbay A, Basselmans BM, De Neve JE, Turley P, Nivard MG, Fontana MA, Meddens SF, Linner RK, Rietveld CA, Derringer J, Gratten J, Lee JJ, Liu JZ, de Vlaming R, Ahluwalia TS, Buchwald J, Cavadino A, Furlotte NA, Garfield V, Geisel MH, Gonzalez JR, Haitjema S, Karlsson R, van der Laan SW, Ladwig KH, Lahti J, van der Lee SJ, Lind PA, Liu T, Matteson L, Mihailov E, Miller MB, Minica CC, Nolte IM, Mook-Kanamori D, van der Most PJ, Oldmeadow C, Qian Y, Raitakari O, Rawal R, Realo A, Rueedi R, Schmidt B, Smith AV, Stergiakouli E, Tanaka T, Taylor K, Wedenoja J, Wellmann J, Westra HJ, Willems SM, Zhao W; LifeLines Cohort Study, Amin N, Bakshi A, Boyle PA, Cherney S, Cox SR, Davies G, Davis OS, Ding J, Direk N, Eibich P, Emeny RT, Fatemifar G, Faul JD, Ferrucci L, Forstner A, Gieger C, Gupta R, Harris TB, Harris JM, Holliday EG, Hottenga JJ, De Jager PL, Kaakinen MA, Kajantie E, Karhunen V, Kolcic I, Kumari M, Launer LJ, Franke L, Li-Gao R, Koini M, Loukola A, Marques-Vidal P, Montgomery GW, Mosing MA, Paternoster L, Pattie A, Petrovic KE, Pulkki-Raback L, Quave L, Raikkonen K, Rudan I, Scott RJ, Smith JA, Sutin AR, Trzaskowski M, Vinkhuyzen AE, Yu L, Zabaneh D, Attia JR, Bennett DA, Berger K, Bertram L, Boomsma DI, Snieder H, Chang SC, Cucca F, Deary IJ, van Duijn CM, Eriksson JG, Bultmann U, de Geus EJ, Groenen PJ, Gudnason V, Hansen T, Hartman CA, Haworth CM, Hayward C, Heath AC, Hinds DA, Hypponen E, Iacono WG, Jarvelin MR, Jockel KH, Kaprio J, Kardia SL, Keltikangas-Jarvinen L, Kraft P, Kubzansky LD, Lehtimaki T, Magnusson PK, Martin NG, McGue M, Metspalu A, Mills M, de Mutsert R, Oldehinkel AJ, Pasterkamp G, Pedersen NL, Plomin R, Polasek O, Power C, Rich SS, Rosendaal FR, den Ruijter HM, Schlessinger D, Schmidt H, Svento R, Schmidt R, Alizadeh BZ, Sorensen TI, Spector TD, Steptoe A, Terracciano A, Thurik AR, Timpson NJ, Tiemeier H, Uitterlinden AG, Vollen Weider P, Wagner GG, Weir DR, Yang J, Conley DC, Smith GD, Hofman A, Johannesson M, Laibson DI, Medland SE, Meyer MN, Pickrell JK, Esko T, Krueger RF, Beauchamp JP, Koellinger PD, Benjamin DJ, Bartels M, Cesarini D. Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. *Nat Genet*. 2016;48(6):624-633.](https://www.ncbi.nlm.nih.gov/pubmed/27089181)
48. [Frazier-Wood AC, Smith CE, Follis JL, Dashti HS, Tanaka T, Graff M, Fretts AM, Kilpelainen TO, Wojczynski MK, Richardson K, Nalls MA, Schulz CA, Liu Y, van Eekelen E, Wang C, de Vries PS, Mikkila V, Rohde R, Psaty BM, Hansen T, Feitosa MF, Lai CQ, Houston DK, Ferruci L, Ericson U, Wang Z, de Mutsert R, Oddy WH, de Jong EAL, Seppala I, Justice AE, Lemaitre RN, Sorensen TIA, Province MA, Parnell LD, Garcia ME, Bandinelli S, Orho-Melander M, Rich SS, Rosendaal FR, Pennell CE, Kiefte-de Jong JC, Kahonen M, Young KL, Pedersen O, Aslibekyan S, Rotter JI, Mook-Kanamori DO, Zillikens MC, Raitakari OT, North KE, Overvad K, Arnett DK, Hofman A, Lehtimaki T, Tjonneland A, Uitterlinden AG, Rivadeneira F, Franco OH, German JB, Siscovick DS, Cupples LA, Ordovas JM. Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. *Mol Nutr Food Res*. 2018;62(3). doi: 10.1002/mnfr.201700347.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Genome-Wide+Interactions+with+Dairly+Intake+for+Body+Mass+Index+in+Adults+of+European+Descent)
49. [Frazier-Wood AC, Wang Z, Manichukal A, Goff DC Jr, Mora S, Ordovas JM, Pajewski NM, Post WS, Rotter JI, Sale MM, Santorico SA, Siscovick D, Tsai MY, Arnett DK, Rich S. Genetic associations with lipoprotein subfraction measures differ by ethnicity in the multi-ethnic study of atherosclerosis (MESA). *Hum Genet*. 2017;136(6):715-726.](https://www.ncbi.nlm.nih.gov/pubmed/28352986)
50. [Frazier-Wood AC, Wu JHY, Marklund M, Imamura F, Tintle N, Ardisson Korat AV, de Goede J, Zhou X, Yang WS, de Oliveira Otto MC, Kroger J, Qureshi W, Virtanen JK, Bassett JK, Lankinen M, Murphy RA, Rajaobelina K, Del Gobbo LC, Forouhi NG, Luben R, Khaw KT, Wareham N, Kalsbeek A, Veenstra J, Luo J, Hu FB, Lin HJ, Siscovick DS, Boeing H, Chen TA, Steffen B, Steffen LM, Hodge A, Eriksdottir G, Smith AV, Gudnason V, Harris TB, Brouwer IA, Berr C, Helmer CD, Samieri C, Laakso M, Tsai MY, Giles GG, Nurmi T, Wagenknecht L, Schulze MB, Lemaitre RN, Chien KL, Soedamah-Mutha SS, Geleijnse JM, Sun Q, Harris WS, Lind L. Arnlov J, Riserus U, Micha R, Mozaffarian D; Cohorts for Heart Aging Research in Genomic Epidemiology (CHARGE) Fatty Acids and Outcomes Research Consortium (FORCE). Omega-6 fatty acid biomarkers and incident type 2 diabetes: pooled analysis of individual-level data for 39 740 adults from 20 prospective cohort studies. *Lancet Diabetes Endocrinol*. 2017;5(12):965-974.](https://www.ncbi.nlm.nih.gov/pubmed/29032079)
51. [Fretts AM, Follis JL, Nettleton JA, Lemaitre RN, Ngwa JS, Wojczynski MK , Kalafati IP, Varga TV, Frazier-Wood AC, Houston DK, Lahti J, Ericson U, van de Hooven EH, Mikkila V, Kiefte-de Jong JC, Mozaffarian D, Rice K, Renstrom F, North KE, McKeown NM, Feitosa MF, Kanoni S, Smith CE, Garcia ME, Tiainen AM, Sonenstedt E, Manichaikul A, van Rooij FJ, Dimitriou M, Raitakari O, Pankow JS, Djousse L, Province MA, Hu FB, Lai CQ, Keller MF, Perala MM, Rotter JI, Hofman A, Graff M, Kahonen M, Mukamal K, Johansson I, Ordovas JM, Liu Y, Mannisto S, Uitterlinden AG, Deloukas P, Seppala I, Psaty BM, Cupples LA, Borecki IB, Franks PW, Arnett DK, Nalls MA, Eriksson JG, Orho-Melander M, Franco OH, Lehtimaki T, Dedoussis GV, Meigs JB, Siscovick DS. Consumption of meat is associated with higher fasting glucose and insulin concentrations regardless of glucose and insulin genetic risk scores: a meta-analysis of 50,345 Caucasians. *Am J Clin Nutr*. 2015;102(5):1266-1278.](https://www.ncbi.nlm.nih.gov/pubmed/26354543)
52. [Fujishiro K, Diez Roux AV, Landsbergis P, Kaufman JD, Korcarz CE, Stein JH. Occupational characteristics and the progression of carotid artery intima-media thickness and plaque over 9 years: the Multi-Ethnic Study of Atherosclerosis (MESA). *Occup Environ Med*. 2014.pii:oemed-2014-102311.doi:10.1136/oemed-2014-102311.](http://www.ncbi.nlm.nih.gov/pubmed/25217203)
53. [Fujishiro K, Diez Roux AV, Landsbergis P, Baron S, Barr RG, Kaufman JD, Polak JF, Stukovsky KH. Associations of occupation, job control and job demands with intima-media thickness: The Multi-Ethnic Study of Atherosclerosis (MESA). *Occup Environ Med*. 2011;68(5):319-326.](http://www.ncbi.nlm.nih.gov/pubmed/20935285)
54. [Fujishiro K, Diez-Roux AV, Landsbergis PA, Jenny NS, Seeman T. Current employment status, occupational category, occupational hazard exposure and job stress in relation to telomere length: the Multiethnic Study of Atherosclerosis (MESA). *Occup Environ Med*. 2013;70(8):552-560.](http://www.ncbi.nlm.nih.gov/pubmed/23686115)
55. [Fujishiro K, Hajat A, Landsbergis PA, Meyer JD, Schreiner PJ, Kaufman JD. Explaining racial/ethnic differences in all-cause mortality in the Multi-Ethnic Study of Atherosclerosis (MESA): Substantive complexity and hazardous working conditions as mediating factors. *SSM Popul Health*. 2017;3:497-505.](https://www.ncbi.nlm.nih.gov/pubmed/29349240)
56. [Fujishiro K, Landsbergis PA, Diez-Roux AV, Stukovsky KH, Shrager S, Baron S. Factorial Invariance, scale Reliability, and Construct Validity of the Job Control and Job Demands Scales for Immigrant Workers: The Multi-Ethnic Study of Atherosclerosis. *J Immigr Minor Health*. 2011;13(3):533-540.](http://www.ncbi.nlm.nih.gov/pubmed/20582720)
57. [Fujishiro K, Needham BL, Landsbergis PA, Seeman T, Jenny NS, Diez Roux AV. Selected occupational characteristics and change in leukocyte telomere length over 10 years: The Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2018;13(9):e0204704. doi: 10.1371/journal.pone.0204704. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/30261026)
58. [Fujishiro K, Stukovsky KD, Roux AD, Landsbergis P, Burchfiel C. Occupational gradients in smoking behavior and exposure to workplace environmental tobacco smoke: the multi-ethnic study of atherosclerosis. *J Occup Environ Med*. 2012;54(2):136-145.](http://www.ncbi.nlm.nih.gov/pubmed/22261926)
59. [Fujiyoshi A, Jacobs DR Jr, Alonso A, Luchsinger JA, Rapp SR, Duprez DA. Validity of Death Certificate and Hospital Discharge ICD Codes for Dementia Diagnosis: The Multi Ethnic Study of Atherosclerosis. Alzheimer Dis Assoc Disord. 2017;31(2):168-172.](https://www.ncbi.nlm.nih.gov/pubmed/27819846)
60. [Fujiyoshi A, Jacobs DR Jr, Fitzpatrick AL, Alonso A, Duprez DA, Sharrett AR, Seeman T, Blaha MJ, Luchsinger JA, Rapp SR. Coronary Artery Calcium and Risk of Dementia in MESA (Multi-Ethnic Study of Atherosclerosis). *Circ Cardiovasc Imaging*. 2017;10(5). pii: e005349. doi: 10.1161/CIRCIMAGING. 116.005349.](https://www.ncbi.nlm.nih.gov/pubmed/28465455)
61. [Fujiyoshi A, Miura K, Ohkubo T, Kadowaki T, Kadowaki S, Zaid M, Hisamatsu T, Sekikawa A, Budoff MJ, Liu K, Ueshima H; SESSA and MESA Research Groups. Cross-sectional comparison of coronary artery calcium scores between caucasian men in the United States and Japanese men in Japan: the multi-ethnic study of atherosclerosis and the shiga epidemiological study of subclinical atherosclerosis. *Am J Epidemiol*. 2014;180(6):580-598.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Cross-Sectional+Comparison+of+Coronary+Artery+Calcium+Scores+Between+Caucasian+Men)
62. [Full KM, Huang T, Shah NA, Allison MA, Michos ED, Duprez DA, Redline S, Lutsey PL. Sleep Irregularity and Subclinical Markers of Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2023;12(4):e027361. doi: 10.1161/JAHA.122.027361.](https://pubmed.ncbi.nlm.nih.gov/36789869/)
63. [Gadgil MD, Herrington DM, Singh SK, Kandula NR, Kanaya AM. Association of lipoprotein subfractions with incidence of type 2 diabetes among five U.S. Race and Ethnic groups: The Mediators of Atherosclerosis in South Asians Living in America (MASALA) and Multi-Ethnic study of Atherosclerosis (MESA). *Diabetes Res Clin Pract*. 2023:204:110926. doi: 10.1016/j.diabres.2023.110926.](https://pubmed.ncbi.nlm.nih.gov/37777016/)
64. [Gadgil MD, Wood AC, Karaman I, Graca G, Tzoulaki I, Zhong VW, Greenland P, Kanaya AM, Herrington DM. Metabolomic Profile of the Healthy Eating Index-2015 in the Multiethnic Study of Atherosclerosis. *J Nutr*. 2023;153(8):2174-2180.](https://pubmed.ncbi.nlm.nih.gov/37271414/)
65. [Gai ND, Sandfort V, Liu S, Lima JA, Bluemke DA. Dose correction for post-contrast T1 mapping of the heart: the MESA study. *Int J Cardiovasc Imaging*. 2016;32(2):271-279.](http://www.ncbi.nlm.nih.gov/pubmed/26362875)
66. [Gallo LC, de Los Monteros KE, Allison M, Roux AD, Polak JF, Watson KE, Morales LS. Do socioeconomic gradients in subclinical atherosclerosis vary according to acculturation level? Analyses of mexican-americans in the multi-ethnic study of atherosclerosis. *Psychosom Med*. 2009;71(7):756-762.](http://www.ncbi.nlm.nih.gov/pubmed/19661194?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
67. [Gannon WD, Anderson MR, Podolanczuk AJ, Kawut SM, Michos ED, Cottin V, Kreuter M, Raghu G, Barr RG, Lederer DJ. Angiotensin Receptor Blockers and Subclinical Interstitial Lung Disease: The MESA Study. *Ann Am Thorac Soc*. 2019;16(11):1451-1453.](https://www.ncbi.nlm.nih.gov/pubmed/31365837)
68. [Gao C, Langefeld CD, Ziegler JT, Taylor KD, Norris JM, Chen YI, Hellwege JN, Guo X, Allison MA, Speliotes EK, Rotter JI, Bowden DW, Wagenknecht LE, Palmer ND. Genome-Wide Study of Subcutaneous and Visceral Adipose Tissue Reveals Novel Sex-Specific Adiposity Loci in Mexican Americans. *Obesity (Silver Spring)*. 2018(1):202-212.](https://www.ncbi.nlm.nih.gov/pubmed/?term=29178545)
69. [Gao SK, Beresford SA, Frank LL, Schreiner PJ, Burke GL, Fitzpatrick AL. Modifications to the Healthy Eating Index and its ability to predict obesity: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2008;88(1):64-69.](http://www.ncbi.nlm.nih.gov/pubmed/18614725?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
70. [Gao SK, Fitzpatrick AL, Psaty B, Jiang R, Post W, Cutler J, Maciejewski ML. Suboptimal Nutritional Intake for Hypertension Control in 4 Ethnic Groups. *Arch Intern Med*. 2009;169(7):702-707.](http://www.ncbi.nlm.nih.gov/pubmed/19365000?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
71. [Gao X, Engeda J, Moore LV, Auchincloss AH, Moore K, Mujahid MS. Longitudinal associations between objective and perceived healthy food environment and diet: The Multi-Ethnic Study of Atherosclerosis. *Soc Sci Med*. 2022;292:114542. doi: 10.1016/j.socscimed.2021.114542.](https://pubmed.ncbi.nlm.nih.gov/34802783/)
72. [Gao X, Kershaw KN, Barber S, Schreiner PJ, Do DP, Diez Roux AV, Mujahid MS. Associations Between Residential Segregation and Incident Hypertension: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2022;11(3):e023084. doi: 10.1161/JAHA.121.023084](https://pubmed.ncbi.nlm.nih.gov/35048712/).
73. [Garg PK, Bartz TM, Norby FL, Jorgensen NW, McClelland RL, Ballantyne CM, Chen LY, Gottdiener JS, Greenland P, Hoogeveen R, Jenny NS, Kizer JR, Rosenson RS, Soliman EZ, Cushman M, Alonso A, Heckbert SR. Association of lipoprotein-associated phospholipase A2 and risk of incident atrial fibrillation: Findings from 3 cohorts. *Am Heart J*. 2018;197:62-69.](https://www.ncbi.nlm.nih.gov/pubmed/29447785)
74. [Garg PK, Buzkova P, Mayghani Z, Budoff MJ, Lima J, Criqui M, Cushman M, Allison M. Valvular calcification and risk of peripheral artery disease: the Multi-Ethnic Study of Atherosclerosis (MESA). *Eur Heart J Cardiovasc Imaging*. 2020;21(10):1152-1159.](https://pubmed.ncbi.nlm.nih.gov/31740939/)
75. [Garg PK, Buzkova P, Wassel CL, Allison M, Criqui M, Larson MB, Bielinski SJ. Association of Circulating Hepatocyte Growth Factor and Risk of Incident Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. *Angiology*. 2020;71(6):544-551.](https://pubmed.ncbi.nlm.nih.gov/32202143/)
76. [Garg PK, Guan W, Karger AB, Steffen BT, Budoff M, Tsai MY. Lipoprotein (a) and risk for calcification of the coronary arteries, mitral valve, and thoracic aorta: the Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomogr*. 2021:15(2):154-160.](https://pubmed.ncbi.nlm.nih.gov/32620506/)
77. [Garg PK, Guan W, Karger AB, Steffen BT, O’Neal W, Heckbert SR, Michos ED, Tsai MY. Lp(a) (Lipoprotein [A]) and Risk for Incident Atrial Fibrillation: Multi-Ethnic Study of Atherosclerosis. *Circ Arrhythm Electrophysiol*. 2020;13(5):e008401. doi: 10.1161/CIRCEP.120.008401.](https://pubmed.ncbi.nlm.nih.gov/32302223/)
78. [Garg PK, Guan W, Nomura S, Weir N, Karger AB, Duprez D, Heckbert SR, Tsai MY. Plasma ω-3 and ω-6 PUFA Concentrations and Risk of Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. *J Nutr*. 2021;151(6):1479-1486.](https://pubmed.ncbi.nlm.nih.gov/33693794/)
79. [Garg PK, Guan W, Nomura S, Weir NL, Karger AB, Duprez D, Tsai MY. Associations of plasma omega-3 and omega-6 pufa levels with arterial elasticity: the multi-ethnic study of atherosclerosis. *Eur J Clin Nutr*. 2022;76(12):1770-1775.](https://pubmed.ncbi.nlm.nih.gov/35680969/)
80. [Garg PK, Jorgensen N, Diez-Roux AV, O’Neal W, Mujahid M, Moore K, Soliman EZ, Heckbert SR. Neighborhood environments and risk of incident atrial fibrillation: The Multi-Ethnic Study of Atherosclerosis. *Eur J Prev Cardiol*. 2020;27(19):2116-2118.](https://pubmed.ncbi.nlm.nih.gov/31349772/)
81. [Garg PK, Jorgensen NW, McClelland RL, Allison M, Stein JH, Yvan-Chavret L, Tall AR, Shea S. Cholesterol Mass Efflux Capacity and Risk of Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2020;297:81-86.](https://pubmed.ncbi.nlm.nih.gov/32097805/)
82. [Garg PK, Jorgensen NW, McClelland RL, Jenny NS, Criqui MH, Allison MA, Greenland P, Rosenson RS, Siscovick DS, Cushman M. Lipoprotein-associated phospholipase A2 and risk of incident peripheral arterial disease in a multi-ethnic cohort: The Multi-Ethnic Study of Atherosclerosis. *Vasc Med*. 2017;22(1):5-12.](https://www.ncbi.nlm.nih.gov/pubmed/28215109)
83. [Garg PK, Jorgensen NW, McClelland RL, Leigh JA, Greenland P, Blaha MJ, Yoon AJ, Wong ND, Yeboah J, Budoff MJ. Uses of coronary artery calcium testing to improve coronary heart disease risk assessment in a lung cancer screening population: The Multi-Ethnic Study of Atherosclerosis (MESA). *J* *Cardiovasc Comput Tomogr*. 2018;12(6):493-499.](https://www.ncbi.nlm.nih.gov/pubmed/30297128)
84. [Garg PK, Lima J, deFilippi CR, Daniels LB, Seliger SL, de Lemos JA, Maisel AS, Criqui MH, Bahrami H. Associations of cardiac injury biomarkers with risk of peripheral artery disease: The Multi-Ethnic Study of Atherosclerosis. *Int J Cardiol*. 2021;344:199-204.](https://pubmed.ncbi.nlm.nih.gov/34600979/)
85. [Garg PK, McClelland RL, Jenny NS, Criqui MH, Greenland P, Rosenson RS, Siscovick DS, Jorgensen N, Cushman M. Lipoprotein-associated phospholipase A2 and risk of incident cardiovascular disease in a multi-ethnic cohort: The multi ethnic study of atherosclerosis. *Atherosclerosis*. 2015;241(1):176-182.](http://www.ncbi.nlm.nih.gov/pubmed/26004387)
86. [Garg PK, McClelland RL, Jenny NS, Criqui M, Liu K, Polak JF, Jorgensen NW, Cushman M. Association of lipoprotein-associated phospholipase A2 and endothelial function in the Multi-Ethnic Study of Atherosclerosis (MESA). *Vasc Med*. 2011;16(4):247-252.](http://www.ncbi.nlm.nih.gov/pubmed/21708876)
87. [Garg PK, O’Neal WT, Diez-Roux AV, Alonso A, Soliman EZ, Heckbert S. Negative Affect and Risk of Atrial Fibrillation: MESA. *J Am Heart Assoc*. 2019;8(1):e010603. doi: 10.1161/JAHA.118.010603.](https://www.ncbi.nlm.nih.gov/pubmed/30563392)
88. [Garg PK, Tressel W, McClelland RL, Criqui MH, Stein JH, Yvan-Chavret L, Tall AR, Shea S. Cholesterol mass efflux capacity and coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. *J Clin Lipidol*. 2022;16(6):895-900.](https://pubmed.ncbi.nlm.nih.gov/36153282/)
89. [Garg SK, Lin F, Kandula N, Ding J, Carr J, Allison M, Liu K, Herrington D, Vaidya D, Vittinghoff E, Kanaya AM. Ectopic Fat Depots and Coronary Artery Calcium in South Asians Compared With Other Race/Ethnic Groups. *J Am Heart Assoc*. 2016;5(11). pii: e004257.](https://www.ncbi.nlm.nih.gov/pubmed/27856485)

1. [Garimella PS, Ix JH, Katz R, Shlipak MG, Criqui MH, Siscovick DS, Kramer H, Sibley CT, Sarnak MJ. Association of Albumin-Creatinine Ratio and Cystatin C With Change in Ankle-Brachial Index: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2015;65(1):33-40.](http://www.ncbi.nlm.nih.gov/pubmed/24998036)
2. Gasca NC, McClelland RL. Comparison of dimension reduction methods for the identification of heart-healthy dietary patterns. *Observational Studies*. (In press)
3. [Gassett AJ, Sheppard L, McClelland RL, Olives C, Kronmal R, Blaha MJ, Budoff M, Kaufman JD. Risk Factors for Long-Term Coronary Artery Calcium Progression in the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2015;4(8).pii:e001726.doi:10.1161/JAHA.114.001726.](http://www.ncbi.nlm.nih.gov/pubmed/26251281)
4. [Gepner AD, Colangelo LA, Blondon M, Korcarz CE, de Boer IH, Kestenbaum B, Siscovick DS, Kaufman JD, Liu K, Stein JH. 25-hydroxyvitamin d and parathyroid hormone levels do not predict changes in carotid arterial stiffness: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2014;34(5):1102-1109.](http://www.ncbi.nlm.nih.gov/pubmed/24700125)
5. [Gepner AD, Colangelo LA, Reilly N, Korcarz CE, Kaufman JD, Stein JH. Carotid Artery Longitudinal Displacement, Cardiovascular Disease and Risk Factors: The Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2015;10(11):e0142138. doi: 10.1371/journal.pone.0142138. eCollection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/26545210)
6. [Gepner AD, Korcarz CE, Colangelo LA, Hom EK, Tattersall MC, Astor BC, Kaufman JD, Liu K, Stein JH. Longitudinal effects of a decade of aging on carotid artery stiffness: the multiethnic study of atherosclerosis. *Stroke*. 2014;45(1):48-53.](http://www.ncbi.nlm.nih.gov/pubmed/24253542)
7. [Gepner AD, McClelland RL, Korcarz CE, Young R, Kaufman JD, Mitchell C, Stein JH. Carotid artery displacement and cardiovascular disease risk in the Multi-Ethnic Study of Atherosclerosis. *Vasc Med*. 2019;24(5):405-413.](https://www.ncbi.nlm.nih.gov/pubmed/31195916)

1. [Gepner AD, Tedla Y, Colangelo LA, Tattersall MC, Korcarz CE, Kaufman JD, Liu K, Burke GL, Shea S, Greenland P, Stein JH. Progression of Carotid Arterial Stiffness With Treatment of Hypertension Over 10 Years: The Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2017;69(1):87-95.](https://www.ncbi.nlm.nih.gov/pubmed/27849564)
2. [Gepner AD, Young R, Delaney JA, Budoff MJ, Polak JF, Blaha MJ, Post WS, Michos ED, Kaufman J, Stein JH. Comparison of Carotid Plaque Score and Coronary Artery Calcium Score for Predicting Cardiovascular Disease Events: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Heart Assoc*. 2017;6(2). pii: e005179. doi: 10.1161/JAHA.116.005179.](https://www.ncbi.nlm.nih.gov/pubmed/28196817)
3. [Gepner AD, Young R, Delaney JA, Tattersall MC, Blaha MJ, Post WS, Gottesman RF, Kronmal R, Budoff MJ, Burke GL, Folsom AR, Liu K, Kaufman J, Stein JH. Comparison of Coronary Artery Calcium Presence, Carotid Plaque Presence, and Carotid Intima-Media Thickness for Cardiovascular Disease Prediction in the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2015;8(1). pii: e002262.](http://www.ncbi.nlm.nih.gov/pubmed/25596139)
4. [German CA, Fanning J, Singleton MJ, Shapiro MD, Brubaker PH, Bertoni AG, Yeboah J. Physical Activity Coronary Artery Calcium, and Cardiovascular Outcomes in the Multi-Ethnic Study of Atherosclerosis (MESA). *Med Sci Sports Exerc.* 2022;54(5):800-806.](https://pubmed.ncbi.nlm.nih.gov/34967800/)
5. [German C, Makarem N, Fanning J, Redline S, Elfassy T, McClain A, Abdalla M, Aggarwal B, Allen N, Carnethon M. Sleep, Sedentary Behavior, Physical Activity, and Cardiovascular Health: MESA. *Med Sci Sports Exerc*. 2021;53(4):724-731.](https://pubmed.ncbi.nlm.nih.gov/33044436/)
6. [German CA, McEvoy JW, Blaha MJ, Bertoni A, Miedema MD, Burke GL, Yeboah J. Implications of the 2017 American College of Cardiology/American Heart Association Hypertension Guidelines in a Modern Primary Prevention Multi-Ethnic Prospective Cohort (Multi-Ethnic Study of Atherosclerosis). *Am J* *Cardiol*. 2019;123(7):1076-1082.](https://www.ncbi.nlm.nih.gov/pubmed/30654928)
7. [Gerszten RE, Benson MD, Eisman AS, Tahir UA, Katz DH, Deng S, Ngo D, Robbins JM, Hofmann A, Shi X, Zheng S, Keyes M, Yu Z, Gao Y, Farrell L, Shen D, Chen ZZ, Cruz DE, Sims M, Correa A, Tracy RP, Durda P, Taylor KD, Liu Y, Johnson WC, Guo X, Yao J, Chen YDI, Manichaikul AW, Jain D, Yang Q; NHLBI Trans-Omics Precision Medicine (TOPMed) Consortium; Bouchard C, Sarzynski MA, Rich SS, Rotter JI, Wang TJ, Wilson JG, Clish CB, Sarkar IN, Natarajan P. Protein-metabolite association studies identify novel proteomic determinants of metabolite levels in human plasma. *Cell Metab*. 2023;35(9);1646-1660.](https://pubmed.ncbi.nlm.nih.gov/37582364/)
8. [Gharib SA, Sofer T, Li R, Joehanes R, Lin H, Gower AC, Wang H, Kurniansyah N, Cade BE, Lee J, Williams S, Mehra R, Patel SR, Quan SF, Liu Y, Rotter JI, Rich SS, Spira A, Levy D, Redline S, Gottlieb DJ. Low oxygen saturation during sleep reduces CD1D and RAB20 expressions that are reversed by CPAP therapy. *EBioMedicine*. 2020;56:102803. doi: 10.1016/j.ebiom.2020.102803.](https://pubmed.ncbi.nlm.nih.gov/32512511/)
9. [Giles JT, Allison M, Blumenthal RS, Post W, Gelber AC, Petri M, Tracy R, Szklo M, Bathon JM. Abdominal adiposity in rheumatoid arthritis: Association with cardiometabolic risk factors and disease characteristics. *Arthritis Rheum*. 2010;62(11):3173-3182.](http://www.ncbi.nlm.nih.gov/pubmed/20589684)
10. [Giles JT, Danielides S, Szklo M, Post WS, Blumenthal RS, Petri M, Schreiner PJ. Budoff M, Detrano R, Bathon JM. Insulin resistance in rheumatoid arthritis: disease-related indicators and associations with the presence and progression of subclinical atherosclerosis. *Arthritis Rheumatol*. 2015;67(3):626-636.](http://www.ncbi.nlm.nih.gov/pubmed/25504899)
11. [Giles JT, Malayeri AA, Fernandes V, Post W, Blumenthal RS, Bluemke D, Vogel-Claussen J, Szklo M, Petri M, Gelber AC, Brumback L, Lima J, Bathon JM. Left Ventricular Structure and Function in Patients With Rheumatoid Arthritis, As Assessed by Cardiac Magnetic Resonance Imaging. *Arthritis Rheum*. 2010;62(4):940-951.](http://www.ncbi.nlm.nih.gov/pubmed/20131277)
12. [Giles JT, Szklo M, Post W, Petri M, Blumenthal RS, Lam G, Gelber AC, Detrano R, Scott WW Jr, Kronmal RA, Bathon JM. Coronary arterial calcification in rheumatoid arthritis: comparison with the Multi-Ethnic Study of Atherosclerosis. *Arthritis Res Ther*. 2009;11(2):R36.](http://www.ncbi.nlm.nih.gov/pubmed/19284547?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
13. [Giles JT, Wasko MCM, Chung CP, Szklo M, Blumenthal RS, Kao A, Bokhari S, Zartoshti A, Stein CM, Bathon JM. Exploring the Lipid Paradox Theory in Rheumatoid Arthritis: Associations of Low Circulating Low-Density Lipoprotein Concentration with Subclinical Coronary Atherosclerosis. *Arthritis* *Rheumatol*. 2019;71(9):1426-1436.](https://www.ncbi.nlm.nih.gov/pubmed/30883031)
14. [Gill EA, Curl CL, Adar SD, Allen RW, Auchincloss AH, O’Neill MS, Park SK, Van Hee VC, Diez Roux AV, Kaufman JD. Air pollution and cardiovascular disease in the multi-ethnic study of atherosclerosis. *Prog Cardiovasc Dis*. 2011;53(5):353-360.](http://www.ncbi.nlm.nih.gov/pubmed/21414470)
15. [Ginsberg C, Hoofnagle AN, Katz R, Cheng JH, Hsu S, Budoff MJ, Kado DM, Kestenbaum B, Siscovick DS, Michos ED, Ix JH, de Boer IH. Vitamin D Metabolite Ratio and Coronary Artery Calcification in the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2023 Mar 7. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/36943910/)

1. [Giro P, Cunningham JW, Rasmussen-Torvik L, Bielinski SJ, Larson NB, Colangelo LA, Jacobs Jr DR, Gross M, Reiner AP, Lloyd-Jones DM, Guo X, Taylor K, Vaduganathan M, Post WS, Bertoni A, Ballantyne C, Shah A, Claggett B, Boerwinkle E, Yu B, Solomon SD, Shah SJ, Patel RB. Missense Genetic Variation of ICAM1 and Incident Heart Failure.](https://pubmed.ncbi.nlm.nih.gov/36882149/) *[J Card Fail](https://pubmed.ncbi.nlm.nih.gov/36882149/)*[. 2023;29(8):1163-1172.](https://pubmed.ncbi.nlm.nih.gov/36882149/)

1. [Giro P, Taylor KD, Shah SJ, Patel RB. The](https://pubmed.ncbi.nlm.nih.gov/38074621/) *[pK56M](https://pubmed.ncbi.nlm.nih.gov/38074621/)* [ICAM1 HFpEF risk variant and inflammatory biomarkers.](https://pubmed.ncbi.nlm.nih.gov/38074621/) *[Am Heart J Plus](https://pubmed.ncbi.nlm.nih.gov/38074621/)*[. 2023;36:100345. doi: 10.1016/j.ahjo.2023.100346.](https://pubmed.ncbi.nlm.nih.gov/38074621/)
2. [Gjesdal O, Yoneyama K, Mewton N, Wu C, Gomes AS, Hundley G, Prince M, Shea S, Liu K, Bluemke DA, Lima JA. Reduced long axis strain is associated with heart failure and cardiovascular events in the multi-ethnic study of Atherosclerosis. *J Magn Reson Imaging*. 2016;44(1):178-185.](http://www.ncbi.nlm.nih.gov/pubmed/26731196)
3. [Goff DC, Jr., Bertoni AG, Kramer H, Bonds D, Blumenthal RS, Tsai MY, Psaty BM. Dyslipidemia prevalence, treatment, and control in the Multi-Ethnic Study of Atherosclerosis (MESA): gender, ethnicity, and coronary artery calcium. *Circulation*. 2006;113(5):647-656.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16461837)
4. [Gold RS, Unkart JT, Larsen BA, Price CA, Cless M, Araneta RG, Allison MA. Association of abnormal muscle area and density with glucose regulation: The multi-ethnic study of atherosclerosis (MESA). *Diabetes Metab Res Rev*. 2022;38(2):e3488. doi: 10.1002.dmrr.3488.](https://pubmed.ncbi.nlm.nih.gov/34328704/)
5. [Gold RS, Unkart JT, McClelland RL, Bertoni AG, Allison MA. Health insurance status and type associated with varying levels of glycemic control in the US: The multi-ethnic study of atherosclerosis (MESA). *Prim Care Diabetes*. 2021;15(2):378-384.](https://pubmed.ncbi.nlm.nih.gov/33309035/)

1. [Golden SH, Dobs AS, Vaidya D, Szklo M, Gapstur S, Kopp P, Liu K, Ouyang P. Endogenous Sex Hormones and Glucose Tolerance Status in Postmenopausal Women.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17244779&ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[J Clin Endocrinol Metab](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17244779&ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[. 2007;92(4):1289-1295.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17244779&ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Golden SH, Lazo M, Carnethon M, Bertoni AG, Schreiner PJ, Diez Roux AV, Lee HB, Lyketsos C. Examining a Bidirectional Association Between Depressive Symptoms and Diabetes. *JAMA*. 2008;299(23):2751-2759.](http://www.ncbi.nlm.nih.gov/pubmed/18560002?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

1. [Golden SH, Lee HB, Schreiner PJ, Roux AD, Fitzpatrick AL, Szklo M, Lyketsos C. Depression and type 2 Diabetes Mellitus: The Multiethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17636146&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Psychosomatic Med.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17636146&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)* [2007;69(6):529-536.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17636146&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Golden SH, Sanchez BN, DeSantis AS, Wu M, Castro C, Seeman TE, Tadros S, Shrager S, Diez Roux AV. Salivary cortisol protocol adherence and reliability by socio-demographic features: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2014;43:30-40.](http://www.ncbi.nlm.nih.gov/pubmed/24703168)
3. [Golden SH, Sanchez BN, Wu M, Champaneri S, Diez Roux AV, Seeman T, Wand GS. Relationship between the cortisol awakening response and other features of the diurnal cortisol rhythm: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2013;38(11):2720-2728.](http://www.ncbi.nlm.nih.gov/pubmed/23890985)
4. [Goldwater D, Karlamangla A, Merkin SS, Watson K, Seeman T. Interleukin-10 as a predictor of major adverse cardiovascular events in a racially and ethnically diverse population: Multi-Ethnic Study of Atherosclerosis. *Ann Epidemiol*. 2019;30:9-14.](https://www.ncbi.nlm.nih.gov/pubmed/30249450)
5. [Gonzalez-Navarro B, Pinto-Sala X, Corbella E, Jane-Salas E, Miedema MD, Yeboah J, Shea S, Nasir K, Comin-Colet J, Corbella X, Lopez-Lopez J, Blumenthal RS, Blaha MJ, Cainzos-Achirica M. Associations between self-reported periodontal disease, assessed using a very short questionnaire, cardiovascular disease events and all-cause mortality in a contemporary multi-ethnic population: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2018;278:110-116.](https://www.ncbi.nlm.nih.gov/pubmed/30265891)
6. [Goodarzi MO, Brower MA, Hai Y, Jones MR, Guo X, Chen YI, Rotter JI, Krauss RM, Legro RS, Azziz R. Bidirectional Mendelian randomization to explore the causal relationships between body mass index and polycystic ovary syndrome. *Hum Reprod*. 2019;34(1):127-136.](https://www.ncbi.nlm.nih.gov/pubmed/30496407)
7. [Goodarzi MO, Mahajan A, Wessel J, Willems SM, Zhao W, Robertson NR, Chu AY, Gan W, Kitajima H, Taliun D, Rayner NW, Guo X, Lu Y, Li M, Jensen RA, Hu Y, Huo S, Lohman KK, Zhang W, Cook JP, Prins BP, Flannick J, Grarup N, Trubetskoy VV, Kravic J, Kim YJ, Rybin DV, Yaghootkar H, Muller-Nurasyid M, Meidtner K, Li-Gao R, Varga TV, Marten J, Li J, Smith AV, An P, Ligthart S, Gustafsson S, Malerba G, Demirkan A, Tajes JF, Steinthorsdottir V, Wuttke M, Lecoeur C, Preuss M, Bielak LF, Graff M, Highland HM, Justice AE, Liu DJ, Marouli E, Peloso GM, Warren HR; ExomeBP Consortium: MAGIC Consortium; GIANT Consortium, Afaq S, Afzal S, Ahlqvist E, Almgren P, Amin N, Bang LB, Bertoni AG, Bombieri C, Bork-Jensen J, Brandslund I, Bordy JA, Burtt NP, Canouil M, Chen YI, Cho YS, Christensen C, Eastwood SV, Eckardt KU, Fischer K, Gambaro G, Giedraitis V, Grove ML, de Haan HG, Hackinger S, Hai Y, Han S, Tybjaerg-Hansen A, Hivert MF, Isomaa B, Jager S, Jorgensen ME, Jorgenstn T, Karajamaki A, Kim BJ, Kim SS, Koistinen HA, Kovacs P, Kribel J, Kronenberg F, Lall K, Lange LA, Lee JJ, Lehne B, Li H, Lin KH, Linneberg A, Liu CT, Liu J, Loh M, Magi R, Mamakou V, McKean-Cowdin R, Nadkarni G, Neville M, Nielsen SF, Ntalla I, Peyser PA, Rathmann W, Rice K, Rich SS, Rode L, Rolandsson O, Schonherr S, Selvin E, Small KS, Stancakova A, Surendran P, Taylor KD, Teslovich TM, Thorand B, Thorleifsson G, Tin A, Tonjes A, Varbo A, Witte DR, Wood AR, Yajnik P, Yao J, Yengo L, Yong R, Amouyel P, Boeing H, Boerwinkle E, Bottinger EP, Chowdhury R, Collins FS, Dedoussis G, Dehghan A, Deloukas P, Ferrario MM, Ferrieres J, Florez JC, Frossard P, Gudnason V, Harris TB, Heckbert SR, Howson JMM, Ingelsson M, Kathiresan S, Kee F, Kuusisto J, Langenberg C, Launer LJ, Lindgren CM, Mannisto S, Meitinger T, Melander O, Mohlke KL, Moitry M, Morris AD, Murray AD, de Mutsert R, Orho-Melander M, Owen KR, Perola M, Peters A, Province MA, Rasheed A, Ridker PM, Rivadineira F, Rosendaal FR, Rosengren AH, Salomaa V, Sheu WH, Sladek R, Smith BH, Strauch K, Uitterlinden AG, Varma R, Willer CJ, Bluher M, Butterworth AS, Chambers JC, Chasman DI, Danesh J, van Duijn C, Dupuis J, Franco OH, Franks PW, Froguel P, Grallert H, Groop L, Han BG, Hansen T, Hattersley AT, Hayward C, Ingelsson E, Kardia SLR, Karpe F, Kooner JS, Kottgen A, Kuulasmaa K, Laakso M, Lin X, Lind L, Liu Y, Loos RJF, Marchini J, Metspalu A, Mook-Kanamori D, Nordestgaard BG, Palmer CAN, Pankow JS, Pedersen O, Psaty BM, Rauramaa R, Sattar N, Schulze MB, Soranzo N, Spector TD, Stefansson K, Stumvoll M, Thorsteindottir U, Tuomi T, Tuomilehto J, Wareham NJ, Wilson JG, Zeggini E, Scott RA, Barroso I, Frayling TM, Meigs JB, Boehnke M, Saleheen D, Morris AP, Rotter JI, McCarthy MI. Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nat Genet*. 2018;50(4):559-571.](https://www.ncbi.nlm.nih.gov/pubmed/?term=29632382)
8. [Goodarzi MO, Nagpal T, Greer P, Cui J, Chen YI, Guo X, Pankow JS, Rotter JI, Alkaade S, Amann ST, Baillie J, Banks PA, Brand RE, Conwell DL, Cote GA,  Forsmark CE, Gardner TB, Gelrud A, Guda N, LaRusch J, Lewis MD, Money ME, Muniraj T, Papachristou GI, Romagnuolo J, Sandhu BS, Sherman S, Singh VK, Wilcox CM, Pandol SJ, Park WG, Andersen DK, Bellin MD, Hart PA, Yadav D, Whitcomb DC; Consortium for the Study of Chronic Pancreatitis, Diabetes, and Pancreatic Cancer (CPDPC). Genetic Risk Score in Diabetes Associated With Chronic Pancreatitis Versus Type 2 Diabetes Mellitus. *Clin Transl Gastroenterol*. 2019;10(7):e00057. doi: 10.14309/ctg.0000000000000057.](https://www.ncbi.nlm.nih.gov/pubmed/31232720)
9. [Goodarzi MO, Song Y, Altarejos J, Inoue H, Guo X, Berdeaux R, Kim JH, Goode J, Igata M, Paz JC, Hogan MF, Singh PK, Goebel N, Vera L, Miller N, Cui J, Jones MR, CHARGE Consortium, GIANT Consortium, Chen YD, Taylor KD, Hsueh WA, Rotter JI, Montminy M. CRTC3 links catecholamine signalling to energy balance. *Nature*. 2010;468(7326):933-939.](http://www.ncbi.nlm.nih.gov/pubmed/21164481)
10. [Goodarzi MO, Wang B, Moya N, Niessen S, Hoover H, Mihaylova MM, Shaw RJ, Yates JR 3rd, Fischer WH, Thomas JB, Montminy M. A hormone-dependent module regulating energy balance. *Cell*. 2011;145(4):596-606.](http://www.ncbi.nlm.nih.gov/pubmed/?term=A+hormone-dependent+module+regulating+energy+balance)
11. [Goodarzi MO, Wessel J, Chu AY, Willems SM, Wang S, Yaghootkar H, Brody JA, Dauriz M, Hivert MF, Raghavan S, Lipovich L, Hidalgo B, Fox K, Huffman JE, An P, Lu Y, Rasmussen-Torvik LJ, Grarup N, Ehm MG, Li L, Baldridge AS, Stancakova A, Abrol R, Besse C, Boland A, Bork-Jensen J, Fornage M, Freitag DF, Garcia ME, Guo X, Hara K, Isaacs A, Jakobsdottir J, Lange LA, Layton JC, Li M, Hua Zhao J, Meidtner K, Morrison AC, Nalls MA, Peters MJ, Sabater-Lleal M, Schurmann C, Silveira A, Smith AV, Southam L, Stoiber MH, Strawbridge RJ, Taylor KD, Varga TV, Allin KH, Amin N, Aponte JL, Aung T, Barbieri C, Bihlmeyer NA, Boehnke M, Bombieri C, Bowden DW, Burns SM, Chen Y, Chen YD, Cheng CY, Correa A, Czajkowski J, Dehghan A, Ehret GB, Eiriksdottir G, Escher SA, Farmaki AE, Franberg M, Gambaro G, Giulianini F, Goddard WA 3rd, Goel A, Gottesman O, Grove ML, Gustafsson S, Hai Y, Hallmans G, Heo J, Hoffmann P, Ikram MK, Jensen RA, Jorgensen ME, Jorgensen T, Karaleftheri M, Khor CC, Kirkpatrick A, Kraja AT, Kuusisto J, Lange EM, Lee IT, Lee WJ, Leong A, Liao J, Liu C, Liu Y, Lindgren CM, Linneberg A, Malerba G, Mamakou V, Marouli E, Maruther NM, Matchan A, McKean-Cowdin R, McLeod O, Metcalf GA, Mohlke KL, Muzny DM, Ntalla I, Palmer ND, Pasko D, Peter A, Rayner NW, Renstrom F, Rice K, Sala CF, Sennblad B, Serafetinidis I, Smith JA, Soranzo N, Speliotes EK, Stahl EA, Stirrups K, Tentolouris N, Thanopoulou A, Torres M, Traglia M, Tsafantakis E, Javad S, Yanek LR, Zengini E, Becker DM, Bis JC, Brown JB, Cupples LA, Hansen T, Ingelsson E, Karter AJ, Lorenzo C, Mathias RA, Norris JM, Peloso GM, Sheu WH, Toniolo D, Vaidya D, Varma R, Wagenknecht LE, Boeing H, Bottinger EP, Dedoussis G, Deloukas P, Ferrannini E, Franco OH, Franks PW, Gibbs RA, Gudnason V, Hamsten A, Harris TB, Hattersley AT, Hayward C, Hofman A, Jansson JH, Langenberg C, Launer LJ, Levy D, Oostra BA, O’Donnell CJ, O’Rahilly S, Padmanabhan S, Pankow JS, Polasek O, Province MA, Rich SS, Ridker PM, Rudan I, Schulze MB, Smith BH, Uitterlinden AG, Walker M, Watkins H, Wong TY, Zeggini E; EPIC-InterAct Consortium, Laakso M, Borecki IB, Chasman DI, Pedersen O, Psaty BM, Tai ES, van Duijn CM, Wareham NJ, Waterworth DM, Boerwinkle E, Kao WH, Florez JC, Loos RJ, Wilson JG, Frayling TM, Siscovick DS, Dupuis J, Rotter JI, Meigs JB, Scott RA. Low-frequency and rare exome chip variants associated with fasting glucose and type 2 diabetes susceptibility. *Nat Commun*. 2015;6:5897. doi: 10.1038/ncomms6897.](https://www.ncbi.nlm.nih.gov/pubmed/25631608)
12. [Gore MO, Ayers CR, Khera A, deFilippi CR, Wang TJ, Seliger SL, Nambi V, Selvin E, Berry JD, Hundley WG, Budoff M, Greenland P, Drazner MH, Ballantyne CM, Levine BD, de Lemos JA. Combining Biomarkers and Imaging for Short-Term Assessment of Cardiovascular Disease Risk in Apparently Healthy Adults. *J Am Heart Assoc*. 2020;9(15):e015410. doi: 10.1161/JAHA.119.015410.](https://pubmed.ncbi.nlm.nih.gov/32698652/)
13. [Grau M, Barr RG, Lima JA, Hoffman EA, Bluemke DA, Carr JJ, Chahal H, Enright PL, Jain A, Prince MR, Kawut SM. Percent emphysema and right ventricular structure and function: the multi-ethnic study of atherosclerosis-lung and multi-ethnic study of atherosclerosis-right ventricle studies. *Chest*. 2013;144(1):136-144.](http://www.ncbi.nlm.nih.gov/pubmed/23450302)
14. [Green D, Cushman M, Dermond N, Johnson EA, Castro C, Arnett D, Hill J, Manolio TA. Obtaining Informed Consent for Genetic Studies: The Multiethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16928727&query_hl=19&itool=pubmed_DocSum) *[Am J Epidemiol.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16928727&query_hl=19&itool=pubmed_DocSum)* [2006;164(9):845-851.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16928727&query_hl=19&itool=pubmed_DocSum)
15. [Greenstein MB, Myers CE, Meuer SM, Klein BE, Cotch MF, Wong TY, Klein R. Prevalence and Characteristics of Choroidal Nevi: The Multi-Ethnic Study of Atherosclerosis. *Ophthalmology*. 2011;118(12):2468-2473.](http://www.ncbi.nlm.nih.gov/pubmed/21820181)
16. [Gronlund CJ, Sheppard L, Adar SD, O’Neill MS, Auchincloss A, Madrigano J, Kaufman J, Diez Roux AV. Vulnerability to the Cardiovascular Effects of Ambient Heat in Six US Cities: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Epidemiology*. 2018;29(6):756-764.](https://www.ncbi.nlm.nih.gov/pubmed/30113342)
17. [Grunfeld C, Delaney JA, Wanke C, Currier JS, Scherzer R, Biggs ML, Tien PC, Shlipak MG, Sidney S, Polak JF, O’Leary D, Baccehtti P, Kronmal RA. Preclinical atherosclerosis due to HIV infection: carotid intima-medial thickness measurements from the FRAM study. *AIDS*. 2009;23(14):1841-1849.](http://www.ncbi.nlm.nih.gov/pubmed/19455012?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
18. [Guan W, Cao J, Steffen BT, Post WS, Stein JH, Tattersall MC, Kaufman JD, McConnell JP, Hoefner DM, Warnick R, Tsai MY. Race Is a Key Variable in Assigning Lipoprotein(a) Cutoff Values for Coronary heart Disease Risk Assessment: The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2015;35(4):996-1001.](http://www.ncbi.nlm.nih.gov/pubmed/25810300)
19. [Gujral UP, Vittinghoff E, Mongraw-Chaffin M, Vaidya D, Kandula NR, Allison A, Carr J, Liu K, Narayan KMV, Kanaya AM. Cardiometabolic Abnormalities Among Normal-Weight Persons From Five Racial/Ethnic Groups in the United States: A Cross-sectional Analysis of Two Cohort Studies. *Ann Intern Med*. 2017;166(9):628-636.](file:///C:\Users\hansenk3\Desktop\V)
20. [Guo X, Barata L, Feitosa MF, Bielak LF, Halligan B, Baldridge AS, Yerges-Armstrong LM, Smith AV, Yao J, Palmer ND, VanWagner LB, Carr JJ, Chen YI, Allison M, Budoff MJ, Handelman SK, Kardia SLR, Mosley TH Jr, Ryan K, Harris TB, Launer LJ, Gudnason V, Rotter JI, Fornage M, Rasmussen-Torvik LJ, Borecki IB, O’Connell JR, Peyser PA, Speliotes EK, Province MA. Insulin Resistance Exacerbates Geneic Predisposition to Nonalcoholic Fatty Liver Disease in Individuals Without Diabetes. *Hepatol Commun*. 2019;3(7):894-907.](https://www.ncbi.nlm.nih.gov/pubmed/31334442)
21. [Guo X, Bentley AR, Sung YJ, Brown MR, Winkler TW, Kraja AT, Ntalia I, Schwander K, Chasman DI, Lim E, Deng X, Liu J, Lu Y, Cheng CY, Sim X, Vojinovic D, Huffman JE, Musani SK, Li C, Feitosa MF, Richard MA, Noordam R, Baker J, Chen G, Aschard H, Bartz TM, Ding J, Dorajoo R, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Zhao W, Graff M, Alver M, Boissel M, Chai JF, Chen X, Divers J, Evengelou E, Gao C, Goel A, Hagemeijer Y, Harris SE, Hartwig FP, He M, Horimoto ARVR, Hsu J, Hung YJ, Jackson AU, Kasturiratne A, Komulainen P, Kuhnel B, Leander K, Lin KH, Luan J, Lyytikainen LP, Matoba N, Nolte IM, Pietzner M, Prins B, Riaz M, Robino A, Said MA, Schupf N, Scott RA, Sofer T, Stancakova A, Takeuchi F, Tavo BO, van der Most PJ, Varga TV, Wang TD, Wang Y, Ware EB, Wen W, Xiang YB, Yanek LR, Zhang W, Zhao JH, Adeyemo A, Afaq S, Amin N, Amini M, Arking DE, Arzumanyan Z, Aung T, Ballantyne C, Barr RG, Bielak LF, Boerwinkle E, Bottinger EP, Broeckel U, Brown M, Cade BE, Campbell A, Canouli M, Charumathi S, Chen YI, Christensen K; COGENT-Kidney Consortium, Concas MP, Connell JM, deLas Fuentes L, de Silva HJ, de Vries PS, Doumatey A, Duan Q, Eaton CB, Eppinga RN, Faul JD, Floyd JS, Forouhi NG, Forrester T, Friedlander Y, Gandin I, Gao H, Ghanbari M, Gharib SA, Gigante B, Giulianini F, Grabe HJ, Gu CC, Harris TB, Heikkinen S, Heng CK, Hirata M, Hixson JE, Ikram MA; EPIC-InterAct Consortium, Jia Y, Joehanes R, Johnson C, Jonas JB, Justice AE, Katsuya T, Khor CC, Kilpelainen TO, Koh WP, Kolcic I, Kooperberg C, Kriger JE, Kritchevsky SB, Kubo M, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lehne B, Lewis CE, Li Y, Liang J, Lin S, Liu CT, Liu J, Liu K, Loh M, Lohman KK, Louie T, Luzzi A, Magi R, Mahajan A, Manichaikul AW, McKenzie CA, Meitinger T, Metspalu A, Milaneschi Y, Milani L, Mohlke KL, Momazawa Y, Morris AP, Murray AD, Nalls MA, Nauck M, Nelson CP, North KE, O’Connell JR, Palmer ND, Papanicolau GJ, Pedersen NL, Peters A, Peyser PA, Polasek O, Poulter N, Raitakari OT, Reiner AP, Renstrom F, Rice TK, Rich SS, Robnson JG, Rose LM, Rosendaal FR, Rudan I, Schmidt CO, Schreiner PJ, Scott WR, Sever P, Shi Y, Sidney S, Sims M, Smith JA, Snieder H, Starr JM, Strauch K, Stringham HM, Tan NYQ, Tang H, Taylor KD, Teo YY, Tham YC, Tiemeir H, Turner ST, Uitterlinden AG; Understanding Society Scientific Group, van Heemst D, Waldenberger M, Wang H, Wang L, Wang L, Wei WB, Williams CA, Wilson G Sr, Wojczynski MK, Yao J, Young K, Yu C, Yuan JM, Zhou J, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Cooper RS, de Faire U, Deary IJ, Elliot P, Esko T, Farrall M, Franks PW, Freedman BI, Froguel P, Gasparani P, Gieger C, Horta BL, Juang JJ, Kamatani Y, Kammerer CM, Kato N, Kooner JS, Laakso M, Laurie CC, Lee IT, Lehtimaki T; Lifelines Cohort, Magnusson PKE, Oldehinkel AJ, Penninx BWJH, Pereira AC, Rauramaa R, Redline S, Samani NJ, Scott J, Shu XO, vander Harst P, Wagenknecht LE, Wang JS, Wang YX, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Wu T, Zeggini E, Zheng W, Bouchard C, Evans MK, Gudnason V, Kardia SLR, Liu Y, Psaty BM, Ridker PM, van Dam RM, Mook-Kanamori DO, Fornage M, Province MA, Kelly TN, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Loos RJF, Franceschini N, Rotter JI, Zhu X, Bierut LJ, Gauderman WJ, Rice K, Munroe PB, Morrison AC, Rao DC, Rotmi CN, Cupples LA. Multi-ancestry genome-wide gene-smoking interaction study of 387, 272 individuals identifies new loci associated with serum lipids. *Nat Genet*. 2019;51(4):636-648.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Bentley+AR)
22. [Guo X, Chu AY, Deng X, Fisher VA, Drong A, Zhang Y, Feitosa MF, Liu CT, Weeks O, Choh AC, Duan Q, Dyer TD, Eicher JD, Heard-Costa NL, Kacprowski T, Kent JW Jr, Lange LA, Liu X, Lohman K, Lu L, Mahajan A, O’Connell JR. Panhar A, Peralta JM, Smith AV, Zhang Y, Homuth G, Kissebah, AH, Kulberg J, Laqua R, Launer LJ, Nauck M, Oliver M, Peyser PA, Terry JG, Wojczynski MK, Yao J, Bielak LF, Blangero J, Borecki IB, Bowden DW, Carr JJ, Czerwinski SA, Ding J, Friedrich N, Gudnason V, Harris TB, Ingelsson E, Johnson AD, Kardia SL, Langefeld CD, Lind L, Liu Y, Mitchell BD, Morris AP, Mosley TH Jr, Rotter JI, Shuldiner AR, Towne B, Volzke H, Wallaschofski H, Wilson JG, Allison M, Lindgren Cm, Goessling W, Cupples LA, Steinhauser ML, Fox CS. Multiethnic genome-wide meta-analysis of ectopic fat depots identifies loci associated with adipocyte development and differentiation. *Nat Genet*. 2017;49(1):125-130.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Multiethnic+genome-wide+meta-analysis+of+ectopic+fat+depots+identifies)
23. [Guo X, Crawford JE, Amaru R, Song J, Julian CG, Racimo F, ChengJY, Yao J, Ambale-Venkatesh B, Lima JA, Rotter JI, Stehlik J, Moore LG, Prchal JT, Nielsen R. Natural Selection on Genes Related to Cardiovascular Health in High-Altitude Adapted Andeans. *Am J Hum Genet*. 2017;101(5):752-767.](https://www.ncbi.nlm.nih.gov/pubmed/29100088)
24. [Guo X, Dauriz M, Porneala BC, Bielak LF, Peyser PA, Durant NH, Carnethon MR, Bonadonna RC Bonora E, Bowden DW, Florez JC, Fornage M, Hivert MF, Jacobs DR Jr, Kabagambe EK, Lewis CE, Murabito JM, Rasmussen-Torvik LJ, Rich SS, Vassy JL, Yao J, Carr JJ, Kardia SL, Siscovick D, O’Donnell CJ, Rotter JI, Dupuis J, Meigs JB. Association of a 62 Variants Type 2 Diabetes Genetic Risk Score With Markers of Subclinical Atherosclerosis: A Transethnic, Multicenter Study. *Circ Cardiovasc Genet*. 2015;8(3):507-515.](https://www.ncbi.nlm.nih.gov/pubmed/25805414)
25. [Guo X, de Vries PS, Brown MR, Bentley AR, Sung YJ, Winkler TW, Ntalla I, Schwander K, Kraja AT, Franceschini N, Cheng CY, Sim X, Vojinovic D, Huffman JE, Musani SK, Li C, Feitosa MF, Richard MA, Noordam R, Aschard H, Bartz TM, Bielak LF, Deng X, Dorajoo R, Lohman KK, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Evangelou E, Graff M, Alver M, Boissel M, Chai JF, Chen X, Divers J, Gandin I, Gao C, Goel A, Hagemeijer Y, Harris SE, Hartwig FP, He M, Horimoto ARVR, Hsu FC, Jackson AU, Kasturirantne A, Komulainen P, Kuhnel B, Laguzzi F, Lee JH, Luan J, Lyytikainen LP, Matoba N, Nolte IM, Pietzner M, Riaz M, Said MA, Scott RA, Sofer T, Stancakova A, Takeuchi F, Tayo BO, van der Most PJ, Varga TV, Wang Y, Ware EB, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Amin N, Amini M, Arking DE, Aung T, Ballantyne C, Boerwinkle E, Broeckel U, Campbell A, Canouil M, Charumathi S, Chen YI, Connell JM, de Faire U, de las Fuentes L, de Mutsert R, de Silva HJ, Ding J, Dominiczak AF, Duan Q, Eaton CB, Eppinga RN, Faul JD, Fisher V, Forrester T, Franco OH, Friedlander Y, Ghanbari M, Giulianini F, Grabe HJ, Grove ML, Gu CC, Harris TB, Heikkinen S, Heng CK, Hirata M, Hixson JE, Howard BV, Ikram MA, InterAct Consortium, Jacobs DR Jr, Johnson C, Jonas JB, Kammerer CM, Katsuya T, Khor CC, Kilpelainen TO, Koh WP, Koistinen HA, Kolcic I, Kooperbert C, Krieger JE, Kritchevsky SB, Kubo M, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lehne B, Lemaitre RN, Li Y, Liang J, Liu J, Liu K, Loh M, Louie T, Magi R, Manichaicul AW, McKenzie CA, Meitinger T, Metspalu A, Milaneschi Y, Milani L, Mohlke KL, Mosley TH Jr, Mukamal KJ, Nalls MA, Nauck M, Nelson CP, Sotoodehnia N, O’Connell JR, Palmer ND, Pazoki R, Pedersen NL, Peters A, Peyser PA, Polasek O, Poulter N, Raffel LJ, Raitakari OT, Reiner AP, Rice TK, Rich SS, Robino A, Robinson JG, Rose LM, Rudan I, Schmidt CO, Schreiner PJ, Scott WR, Sever P, Shi Y, Sidney S, Sims M, Smith BH, Smith JA, Snieder H, Starr JM, Strauch K, Tan N, Taylor KD, Teo YY, Tham YC, Uitterlinden AG, van Heemst D, Vuckovic D, Walderberger M, Wang L, Wang Y, Wang Z, Wei WB, Williams C, Wilson G Sr, Wojczynski MK, Yao J, Yu B, Yu C, Yuan JM, Zhao W, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Deary IJ, Esko T, Farrall M, Franks PW, Freedman BI, Froguel P, Gasparini P, Gieger C, Horta BL, Kamatani Y, Kato N, Kooner JS, Laakso M, Leander K, Lehtimaki T; Lifelines Cohort, Groningen, The Netherlands (Lifelines Cohort Study), Mangusson PKE, Penninx B, Pereira AC, Rauramaa R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wang YX, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Zheng W, Elliot P, North KE, Bouchard C, Evans MK, Gudnason V, Liu CT, Liu Y, Psaty BM, Ridker PM, van Dam RM, Kardia SLR, Zhu X, Rotimi CN, Mook-Kanomori DO, Fornage M, Kelly TN, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Liu J, Rotter JI, Gauderman WJ, Province MA, Munroe PB, Rice K, Chasman DI, Cupples LA, Rao DC, Morrison AC. Multi-Ancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. *Am J Epidemiol*. 2019;188(6):1033-1054.](https://www.ncbi.nlm.nih.gov/pubmed/30698716)
26. [Guo X, de Vries PS, Chasman DI, Sabater-Lleal M, Chen MH, Huffman JE, Steri M, Tang W, Teumer A, Marioni RE, Grossman V, Hottenga JJ, Trompet S, Muller-Nurasyid M, Zhao JH, Brody JA, Kleber ME, Wang JJ, Auer PL, Attia JR, Yanek LR, Ahluwalia TS, Lahti J, Venturini C, Tanaka T, Bielak LF, Joshi PK, Rocanin-Arjo A, Kolcic I, Navarro P, Rose LM, Oldmeadow C, Riess H, Mazur J, Basu S, Goel A, Yang Q, Ghanbari M, Willemsen G, Rumley A, Fiorillo E, de Craen AJ, Grotevendt A, Scott R, Taylor KD, Delgado GE, Yao J, Kifley A, Kooperberg C, Qayyum R, Lopez LM, Berentzen TL, Raikkonen K, Mangino M, Bandinelli S, Peyser PA, Wild S, Tregouet DA, Wright AF, Marten J, Zemunik T, Morrison AC, Sennblad B, Tofler G, de Maat MP, de Geus EJ, Lowe GD, Zoledziewska M, Sattar N, Binder H, Volker U, Waldenberger M, Khaw KT, Mcknight B, Huang J, Jenny NS, Holliday EG, Qi L, Mcevoy MG, Becker DM, Starr JM, Sarin AP, Hysi PG, Hernandez DG, Jhun MA, Campbell H, Hamsten A, Rivadeneira F, Mcardle WL, Slagboom PE, Zeller T, Koenig W, Psaty BM, Haritunians T, Liu J, Palotie A, Uitterlinden AG, Stott DJ, Hofman A, Franco OH, Polasek O, Rudan I, Morange PE, Wilson JF, Kardia SL, Ferrucci L, Spector TD, Eriksson JG, Hansen T, Deary IJ, Becker LC, Scott RJ, Mitchell P, Marz W, Wareham NJ, Peters A, Greinacher A, Wild PS, Jukema JW, Boomsma DI, Hayward C, Cucca F, Tracy R, Watkins H, Reiner AP, Folsom AR, Ridker PM, O’Donnell CJ, Smith NL, Strachan DP, Dehghan A. A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. *Hum Mol Genet*. 2016;25(2):358-370.](https://www.ncbi.nlm.nih.gov/pubmed/26561523)
27. [Guo X, Dunn EC, Sofer T, Gallo LC, Gogarten SM, Kerr KF, Chen CY, Stein MB, Ursano RJ, Jia Y, Qi Q, Rotter JI, Argos M, Cai J, Penedo FJ, Perreira K, Wassertheil-Smoller S, Smoller JW. Genome-wide association study of generalized anxiety symptoms in the Hispanic Community Health Study/Study of Latinos. *Am J Med Genet B Neuropsychiatr Genet*. 2017;174(2):132-143](https://www.ncbi.nlm.nih.gov/pubmed/27159506)
28. [Guo X, Dunn EC, Sofer T, Wang MJ, Soare TW, Gallo LC, Gogarten SM, Kerr KF, Chen CY, Stein MB, Ursano RJ, Jia Y, Yao J, Rotter JI, Argos M, Cai J, Perreira K; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Wassertheil-Smoller S, Smooler JW. Genome-wide association study of depressive symptoms in the Hispanic Community Health Study/Study of Latinos. *J Psychiatr Res*. 2018;99:167-176.](https://www.ncbi.nlm.nih.gov/pubmed/29505938)
29. [Guo X, Evangelou E, Gao H, Chu C, Ntritsos G, Blakeley P, Butts AR, Pazoki R, Suzuki H, Koskeridis F, Yiorkas AM, Karaman I, Elliott J, Luo Q, Aeschbaccher S, Bartz TM, Baumeister SE, Braund PS, Brwon MR, Brody JA, Clarke TK, Dimou N, Faul JD, Homuth G, Jackson AU, Kentistou KA, Joshi PK, Lemaitre RN, Lind PA, Lyytikainen LP, Mangino M, Milaneschi Y, Nelson CP, Nolte IM, Perala MM, Polasek O, Porteous D, Ratliff SM, Smith JA, Stancakova A, Teumer A, Tuominen S, Theriault S, Vangipurapu J, Whitfield JB, Wood A, Yao J, Yu B, Zhao W, Arking DE, Auvinen J, Liu C, Mannikko M, Risch L, Rotter JI, Sneider H, Veijola J, Blakemore AI, Boehnke M, Campbell H, Conen D, Eriksson JG, Grabe HJ, van der Harst P, Hartman CA, Hayward C, Heath AC, Jarvelin MR, Kahonen M, Kardia SLR, Kuhne M, Kuusisto J, Laakso M, Lahti J, Lehtimaki T, McIntosh AM, Mohlke KL, Morrison AC, Martin NG, Oldehinkel AJ, Penninx BWJH, Psaty BM, Raitakari OT, Rudan I, Samani NJ, Scott LJ, Spector TD, Verweij N, Weir DR, Wilson JF, Levy D, Tzoulaki I, Bell JD, Matthews PM, Rothenfluh A, Desrivieres S, Schumann G, Elliott P. New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. *Nat Hum Behav*. 2019;3(9):950-961.](https://www.ncbi.nlm.nih.gov/pubmed/31358974)

1. [Guo X, Evangelou E, Warren HR, Mosen-Ansorena D, Mifsud B, Pazoki R, Gao H, Nritsos G, Dimou N, Cabrera CP, Karaman I, Ng FL, Evangelou M, Witkowska K, Tzanis E, Hellwege JN, Gigi A, Velez Edwards DR, Sun YV, Cho K, Gaziano JM, Wilson PWF, Tsao PS, Kovesdy CP, Esko T, Magi R, Milani L, Almgren P, Boutin T, Debette S, Ding J, Giulianini F, Holiday EG, Jackson AU, Li-Gao R, Lin WY, Luan J, Mangino M, Oldmeadow C, Prins BP, Qian Y, Sargurupremraj M, Shah N, Surendran P, Theriault S, Verweij N, Willems SM, Zhao JH, Amouyel P, Connell J, de Mutsert R, Doney ASF, Farral M, Menni C, Morris AD, Noordam R, Pare G, Poulter NR, Shields DC, Stanton A, Thom S, Abecasis G, Amin N, Arking DE. Ayers KL, Barbieri CM, Batini C, Bis JC, Blake T, Bochud M, Boehnke M, Boerwinkle E, Boomsa DI, Bottinger EP, Braund PS, Brumat M, Campbell A, Campbell H, Chakravarti A, Chambers JC, Chauhan G, Ciullo M, Cocca M, Collins F, Cordell HJ, Davies G, Borst MH, Geus EJ, Deary IJ, Deelen J, Del Greco MF, Demirkale CY, Dorr M, Ehret GB, Elosua R, Enroth S, Erzurumluoglu AM, Ferriera T, Franberg M, Franco LH, Gandin I, Gasparini P, Giedraitis V, Gieger C, Girotto G, Goel A, Gow AJ, Gudnason V, Gyllensten U, Hamsten A, Harris TB, Harris SE, Hartman CA, Havulinna AS, Hicks AA, Hofer E, Hofman A, Hottenga JJ, Huffman JE, Hwang SJ, Ingelsson E, James A, Jansen R, Jarvelin MR, Joehanes R, Johansson A, Johnson AD, Joshi PK, Jousilahti P, Jukema JW, Jula A, Kahonen M, Kathiresan S, Keavney BD, Khaw KT, Knekt P, Knight J, Kolcic I, Kooner JS, Koskinen S, Kristiansson K, Kutalik Z, Laan M, Larson M, Launer LJ, Lehne B, Lehtimaki T, Liewald DCM, Lin L, Lind L, Lindgren CM, Liu Y, Loos RJF, Lopez LM, Lu Y, Lyytikainen LP, Mahajan A, Mamasoula C, Marrugat J, Marten J, Milaneschi Y, Morgan A, Morris AP, Morrison AC Munson PJ, Nalls MA, Nandakumar P, Nelson CP, Niiranen T, Nolte IM, Nutile T, Oldhinkel AJ, Oostra BA, O’Reily PF, Org E, Padmanabhan S, Palmas W, Palotie A, Pattie A, Penninx BWJH, Perolla M, Peters A, Polasek O, Pramstaller PP, Nguyen QT, Raitakari OT, Ren M, Rettig R, Rice K, Ridker PM, Ried JS, Riese H, Ripatti S, Robino A, Rose LM, Rotter JI, Rudan I, Ruggiero D, Saba Y, Sala CF, Salomaa V, Samani NJ, Sarin AP, Schmidt R, Schmidt H, Shrine N, Siscovick D, Smith AV, Snieder H, Sober S, Sorice RE, Starr JM, Stott DJ, Strachan DP, Strawbridge RJ, Sundstrom J, Swertz MA, Taylor KD, Teumer A, Tobin MD, Tomaszewski M, Toniolo D, Traglia M, Trompet S, Tuomilehto J, Tzourio C, Uitterlinden AG, Vaez A, van der Most PJ, van Duijn Cm, Vergnaud AC, Verwoert GC, Vitart V, Volker U, Vollen Weider P, Vuckovic D, Watkins H, Wild SH, Willemsen G, Wilson JF, Wright AF, Yao J, Zemunik T, Zhang W, Attia JR, Butterworth AS, Chasman DI, Conen D, Cucca F, Danesh J, Hayward C, Howson JMM, Laakso M, Lakatta EG, Langenberg C, Melander O, Mook-Kanamori DO, Palmer CAN, Risch L, Scott RA, Scott RJ, Sever P, Spector TC, van der Harst P, Wareham NJ, Zeggini E, Levy D, Monroe PS, Newton-Cheh C, Brown MJ, Metspalu A, Hung AM, O’Donnell CJ, Edwards TL; Million Veteran Programm, Psaty BM, Tzoulaki I, Barnes MR, Wain LV, Elliott P, Caulfield MJ. Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits.](https://www.ncbi.nlm.nih.gov/pubmed/30224653) *[Nat Genet](https://www.ncbi.nlm.nih.gov/pubmed/30224653)*[. 2018;50(10):1412-1425.](https://www.ncbi.nlm.nih.gov/pubmed/30224653)
2. [Guo X, Feitosa MF, Kraja AT, Chasman DI, Sung YJ, Winkler TW, Ntalla I, Franceschini N, Cheng CY, Sim X, Vojinovic D, Marten J, Musani SK, Li C, Bentley AR, Brown MR, Schwander K, Richard MA, Noordam R, Aschard H, Bartz TM, Bielak LF, Dorajoo R, Fisher V, Hartwig FP, Horimoto ARVR, Lohman KK, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Wojczynski MK, Alver M, Boissel M, Cai Q, Campbell A, Chai X, Divers J, Gao C, Goel A, Hagemeijer Y, Harris SE, He M, Hsu FC, Jackson AU, Kahonen M, Kasturiratne A, Komulainen P, Kuhnel B, Laguzzi F, Luan J, Matoba N, Nolte IM, Padmanabhan S, Riaz M, Rueedi R, Robino A, Said MA, Scott RA, Sofer T, Stancakova A, Takeuchi F, Tayo BO, van der Most PJ, Varga TV, Vitart V, Wang Y, Ware EB, Warren HR, Weiss S, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Amin N, Amini M, Arking DE, Aung T, Boerwinkle E, Borecki I, Broeckel U, Brown M, Brumat M, Burke GL, Canouil M, Chakravarti A, Charumathi S, Ida Chen YD, Connell JM, Correa A, de Las Fuentes L, de Mutsert R, de Silva HJ, Deng X, Ding J, Duan Q, Eaton CB, Ehret G, Eppinga RN, Evangelou E, Faul JD, Felix SB, Forouhi NG, Forrester T, Franco OH, Friedlander Y, Gandin I, Gao H, Ghanbari M, Gigante B, Gu CC, Gu D, Hagenaars SP, Hallmans G, Harris TB, He J, Heikkinen S, Heng CK, Hirata M, Howard BV, Ikram MA; InterAct Consortium, John U, Katsuya T, Khor CC, Kilpelainen TO, Koh WP, Krieger JE, Kritchevsky SB, Kubo M, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer J, Lehne B, Lewis CE, Li Y, Lin S, Liu J, Liu J, Loh M, Louie T, Magi R, McKenzie CA, Meitinger T, Metspalu A, Mileanschi Y, Milani L, Mohlke KL, Momozawa Y, Nalls MA, Nelson CP, Sotoodehnia N, Norris JM, O’Connell JR, Palmer ND, Perls T, Pedersen NL, Peters A, Peyser PA, Poulter N, Raffel LJ, Raitakari OT, Rolls K, Rose LM, Rosendaal FR, Rotter JI, Schmidt CO, Schreiner PJ, Schupf N, Scott WR, Sever PS, Shi Y, Sidney S, Sims M, Sitlani CM, Smith JA, Snieder H, Starr JM, Strauch K, Stringham HM, Tan NYQ, Tang H, Taylor KD, Teo YY, Tham YC, Turner ST, Uitterlinden AG, Vollenweider P, Waldenberger M, Wang L, Want TX, Wei WB, Williams C, Yao J, Yu C, Yuan JM, Zhao W, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Deary IJ, Esko T, Farrall M, Franks PW, Freedman BI, Farall M, Franks PW, Freedman BI, Froguel P, Gasparini P, Gieger C, Jonas JB, Kamatani Y, Kato N, Kooner JS, Kutalik Z, Laakso M, Laurie CC, Leander K, Lehtimaki T, Study LC, Magnusson PKE, Oldehinkel AJ, Penninx BWJH, Polasek O, Porteous DJ, Rauramaa R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Wu T, Zheng W, Bouchard C, Christensen K, Evans MK, Gudnason V, Horta BL, Kardia SLR, Liu Y, Pereira AC, Psaty BM, Ridker PM, van Dam RM, Gauderman WJ, Zhu X, Mook-Kanamori DO, Fornage M, Rotimi CN, Cupples LA, Kelly TN, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Kooperberg C, Palmas W, Rick K, Morison AC, Elliott P, Caulfield MJ, Munroe PB, Rao DC, Province MA, Levy D. Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. *PLoS One*. 2018;13(6):e0198166. doi: 10.1371/journal.pone.0198166. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/?term=29912962)
3. [Guo X, Ganesh SK, Chasman DI, Larson MB, Verwoert G, Bis JC, Gu X, Smith AV, Yang ML, Zhang Y, Ehret G, Rose LM, Hwang SJ, Papanicolau GJ, Sijbrands EJ, Rice K, Eiriksdottir G, Pihur V, Ridker PM, Vasan RS, Newton-Cheh C; Global Blood Pressure Genetics Consortium, Raffel LJ, Amin N, Rotter JI, Liu K, Launer LJ, Xu M, Caulfield M, Morrison AC, Johnson AD, Vaidya D, Dehghan A, Li G, Bouchard C, Harris TB, Zhang H, Boerwinkle E, Siscovick DS, Gao W, Uitterlinden AG, Rivadeneira F, Hofman A, Willer CJ, Franco OH, Huo Y, Witterman JC, Munroe PB, Gudnason V, Palmas W, van Duijn C, Fornage M, Levy D, Psaty BM, Chakravarti A. Effects of long-term averaging of quantitative blood pressure traits on the detection of genetic associations. *Am J Hum Genet*. 2014;95(1):49-65.](https://www.ncbi.nlm.nih.gov/pubmed/24975945)
4. [Guo X, Hatchell KE, Lu Q, Hebbring SJ, Michos ED, Wood AC, Engelman CD. Ancestry-specific polygenic scores and SNP heritability of 25(OH)D in African-and European-ancestry populations. *Hum Genet*. 2019;138(10):1155-1169.](https://pubmed.ncbi.nlm.nih.gov/31342140/)
5. [Guo X, Huffman JE, de Vries PS, Morrison AC, Sabater-Lleal M, Kacprowski T, Auer PL, Brody JA, Chasman DI, Chen MH, Lin LA, Marioni RE, Muller-Nurasyid M, Yanek LR, Pankratz N, Grove ML, de Maat MP, Cushman M, Wiggins KL, Qi L, Sennblad B, Harris SE, Polasek O, Riess H, Rivadeneira F, Rose LM, Goel A, Taylor KD, Teumer A, Uitterlinden AG, Vaidya D, Yao J, Tang W, Levy D, Waldenberger M, Becker DM, Folsom AR, Giulianini F, Greinacher A, Hofman A, Huang CC, Kooperberg C, Silveira A, Starr JM, Strauch K, Strawbridge RJ, Wright AF, McKnight B, Franco OH, Zakai N, Mathias RA, Psaty BM, Ridker PM, Tofler GH, Volker U, Watkins H, Fornage M, Hamsten A, Deary IJ, Boerwinkle E, Koenig W, Rotter JI, Hayward C, Dehghan A, Reiner AP, O’Donnell CJ, Smith NL. Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. *Blood*. 2015;126(11):e19-29.](https://www.ncbi.nlm.nih.gov/pubmed/26105150)
6. [Guo X, Irvin MR, Sitlani CM, Floyd JS, Psaty BM, Bis JC, Wiggins KL, Whitsel EA, Sturmer T, Stewart J, Raffield L, Sun F, Liu CT, Xu H, Cupples AL, Tanner RM, Rossing P, Smith A, Zilhao NR, Launer LJ, Noordam R, Rotter JI, Yao J, Li X, Limdi N, Sundaresan A, Lange L, Correa A, Stott DJ, Ford I, Jukema JW, Gudnason V, Mook-Kanamori DO, Trompet S, Palmas W, Warren HR, Hellwege JN, Giri A, O’donnell C, Hung AM, Edwards TL, Ahluwalia TS, Arnett DK, Avery CL. Genome-Wide Association Study of Apparent Treatment-Resistant Hypertension in the CHARGE Consortium: The CHARGE: Pharmacogenetics Working Group. *Am J Hypertens*. 2019;32(12):1146-1153.](https://www.ncbi.nlm.nih.gov/pubmed/31545351)
7. [Guo X, Joshi PK, Esko T, Mattsson H, Eklund N, Gandin I, Nutile T, Jackson AU, Schurmann C, Smith AV, Zhang W, Okada Y, Stancakova A, Faul D, Zhao W, Bartz TM, Concas MP, Franceschini N, Enroth S, Vitart V, Trompet S, Chasman DI, O’Connel JR, Corre T, Nongmaithem SS, Chen Y, Mangino M, Ruggiero D, Traglia M, Farmaki AE, Kacprowski T, Bjonnes A, van der Spek A, Wu Y, Giri AK, Yanek LR, Wang L, Hofer E, Rietveld CA, McLeod O, Cornelis MC, Pattaro C, Verweij N, Baumbach C, Abdellaoui A, Warren HR, Vuckovic D, Mei H, Bouchard C, Perry JRB, Cappellani S, Mirza SS, Benton MC, Broeckel U, Medland SE, Lind PA, Malerba G, Drong A, Yengo L, Bielak LF, Zhi D, van der Most PJ, Shriner D, Magi R, Hemani G, Karaderi T, Wang Z, Liu T, Demuth I, Zhao JH, Meng W, Lataniotis L, van der Laan SW, Bradfield JP, Wood AR, Bonnefond A, Ahluwalia TS, Hall LM, Salvi E, Yazar S, Carstensen L, de Haaan HG, Abney M, Afzal U, Allison MA, Amin N, Asselbergs FW, Bakker SJL, Barr RG, Baumeister SE, Benjamin DJ, Bergmann S, Boerwinkle E, Bottinger EP, Campbell A, Chakravarti A, Chan Y, Chanock SJ, Chen C, Chen YI, Collins FS, Connell J, Correa A, Cupples LA, Smith GD, Davies G, Dorr M, Ehret G, Ellis SB, Feenstra B, Feitosa MF, Ford I, Fox CS, Frayling TM, Friedrich N, Geller F, Scotland G, Gillham-Nasenya I, Gottesman O, Graff M, Grodstein F, Gu C, Haley C, Hammond CJ, Harris SE, Harris TB, Hastie ND, Heard-Costa NL, Heikkila K, Hocking LJ, Homuth G, Hottenga JJ, Huang J, Huffman JE, Hysi PG, Ikram MA, Ingelsson E, Joensuu A, Johansson A, Jousilahti P, Jukema JW, Kahonen M, Kamatani Y, Kanoni S, Kerr SM, Khan NM, Koellinger P, Koistinen HA, Kooner MK, Kubo M, Kuusisto J, Lahti J, Launer LJ, Lea RA, Lehne B, Lehtimaki T, Liewald DCM, Lind L, Loh M,, Lokki ML, London SJ, Loomis SJ, Loukola A, Lu Y, Lumley T, Lundgvist A, Mannisto S, Marques-Vidal P, Masciullo C, Matchan A, Mathias RA, Matsuda K, Meigs JB, Miesinger C, Meitinger T, Menni C, Mentch FD, Mihailov E, Milani L, Montasser ME, Montgomery GW, Morrison A, Myers RH, Nadukuru R, Navarro P, Nelis M, Nieminen MS, Nolte IM, O’Connor GT, Ogunniyi A, Padmanabhan S, Palmas WR, Pankow JS, Patarcic I, Pavani F, Peyser PA, Pietilainen K, Poulter N, Prokopenko I, Ralhan S, Redmond P, Rich SS, Rissanen H, Robino A, Rose LM, Rose R, Sala C, Salako B, Salomaa V, Sarin AP, Saxena R, Schmidt H, Scott LJ, Scott WR, Sennblad B, Seshadri S, Sever P, Shrestha S, Smith BH, Smith JA, Soranzo N, Sotoodehnia N, Southam L, Stanton AV, Stathopoulou MG, Strauch K, Strawbridge RJ, Suderman MJ, Tandon N, Tang ST, Taylor SD, Tayo BO, Todlhofer AM, Tomaszewski M, Tsernikova N, Toumilehto J, Uitterlinden AG, Vaidya D, van Hylckama Vlieg A, van Setten J, Vasankari T, Vedantam S, Vlachopoulou E, Vozzi D, Vuoksimaa E, Waldenberger M, Ware EB, Wentworth-Shields W, Whitfield JB, Wild S, Willemsen G, Yajnik CS, Yao J, Zaza G, Zhu X, Project TBJ, Salem RM, Melbye M, Bisgaard H, Samani NJ, Cusi D, Mackey DA, Cooper RS, Froguel P, Pasterkamp G, Grant SFA, Hakonarson H, Ferrucci L, Scott RA, Morris AD, Palmer CAN, Dedoussis G, Deloukas P, Bertram L, Lindenberger U, Berndt SI, Lindgren CM, Timpson NJ, Tonjes A, Munroe PB, Sorensen TA, Rotimi CN, Arnett DK, Oldehinkel AJ, Kardia SLR, Balkau B, Gambaro G, Morris AP, Eriksson JG, Wright MJ, Martin NG, Hunt SC, Starr JM, Deary IJ, Griffiths LR, Tiemeier H, Pirastu N, Kaprio J, Wareham NJ, Perusse L, Wilson JG, Girotto G, Caufield MJ, Raitakari Q, Boomsma DI, Gieger C, van der Harst P, Hicks AA, Kraft P, Sinisalo J, Knekt P, Johannesson M, Magnusson PKE, Hamsten A, Schmidt R, Borecki IR, Vartianen E, Becker DM, Bharadwai D, Mohkle KL, Boehnke M, van Duijn CM, Sanghera DK, Teumer A, Zeggini E, Metspalu A, Gasparini P, Ulivi S, Ober C, Toniolo D, Rudan I, Porteous DJ, Ciullo M, Spector TD, Hayward C, Dupuis J, Loos RJF, Wright AF, Chandak GR, Vollenweider P, Shuldiner A, Ridker PM, Rotter JI, Sattar N, Gyllensten U, North KE, Pirastu M, Psaty BM, Weir DR, Laakso M, Gudnason V, Takahashi A, Chambers JC, Kooner JS, Strachan DP, Campbell H, Hirschhorn JN, Perola M, Polasek O, Wilson JF. Directional dominance on stature and cognition in diverse human populations. *Nature*. 2015;523(7561):459-462.](https://www.ncbi.nlm.nih.gov/pubmed/26131930)
8. [Guo X, Justice AE, Karaderi T, Highland HM, Young KL, Graff M, Lu Y, Turcot V, Auer PL, Fine RS, Schurmann C, Lempradl A, Marouli E, Mahajan A, Winkler TW, Locke AE, Medina-Gomez C, Esko T, Vedantam S, Giri A, Lo KS, Alfred T, Mudgal P, Ng MCY, Heard-Costa NL, Feitosa MF, Manning AK, Willems SM, Sivapalaratnam S, Abecasis G, Alam DW, Allison M, Amouyel P, Arzumanyan Z, Balkau B, Bastarache L, Bergmann S, Beilak LF, Bluher M, Boehnke M, Boeing H, Boerwinkle E, Boger CA, Bork-Jensen J, Bottinger EP, Bowden DW, Brandslund I, Broer L, Burt AA, Butterworth AS, Caulfield MJ, Cesana G, Chambers JC, Chasman DI, Chen YI, Chowdhury R, Christensen C, Chu AY, Collins FS, Cook JP, Cox AJ, Crosslin DS, Danesh J, de Bakker PIW, Denus S, Mutsert R, Dedoussis G, Demerath EW, Dennis JG, Denny JC, Angelantonio ED, Dorr M, Drenos F, Dube MP, Dunning AM, Easton DF, Elliott P, Evangelou E, Farmaki AE, Feng S, Ferrannini E, Ferrieres J, Florez JC, Fornage M, Fox CS, Franks PW, Friedrich N, Gan W, Gandin I, Gasparani P, Geidraitis V, Girotto G, Gorski M, Grallert H, Grarup N, Grove ML, Gustafsson S, Haessler J, Hansen T, Hattersley AT, Hayward C, Heid IM, Holmen O, Hovingh GK, Howson JMM, Hu Y, Hung YJ, Hveem K, Ikram MA, Ingelsson E, Jackson AU, Jarvik GP, Jia Y, Jorgensen T, Jousilahti P, Justesen JM, Kahali B, Karaleftheri M, Kardia SLR, Karpe F, Kee F, Kitajima H, Komulainen P, Kooner JS, Kovacs P, Kramer BK, Kuulasmaa K, Kuusisto J, Laakso M, Lakka TA, Lamparter D, Lange LA, Langenberg C, Larson EB, Lee NR, Lee WJ, Lehtimaki T, Lewis CE, Li H, Li J, Li-Gao R, Lin LA, Lin X, Lind L, Lindstrom J, Linneberg A, Liu CT, Liu DJ, Luan J, Lyytikainen LP, MacGregor S, Magi R, Mannisto S, Marenne G, Marten J, Masca NGD, McCarthy MI, Meidtner K, Mihailov E, Moilanen L, Moitry M, Mook-Kanamori DO, Morgan A, Morris AP, Muller-Nurasyid M, Munroe PB, Narisu N, Nelson CP, Neville M, Ntalla I, O’Connell JR, Owen KR, Pedersen O, Pelosa GM, Pennell CE, Perola M, Perry JA, Perry JRB, Pers TH, Ewing A, Polasek O, Raitakari OT, Rasheed A, Raulerson CK, Rauramaa R, Reilly DF, Reiner AP, Ridker PM, Rivas MA, Robertson NR, Robino A, Rudan I, Ruth KS, Saleheen D, Salomaa V, Samani NJ, Schreiner PJ, Schulze MB, Scott RA, Segura-Lepe M, Sim X, Slater AJ, Small KS, Smith BH, Smith JA, Southam L, Spector TD, Speliotes EK, Stefansson K, Steinthorsdottir V, Stirrups KE, Strauch K, Stringham HM, Stumvoll M, Sun L, Surendran P, Swart KMA, Tardif JC, Taylor KD, Teumer A, Thompson DJ, Thoreifsson G, Thorsteinsdottir U, Thuesen BH, Tonjes A, Torres M, Tsafantakis E, Tuomilehto J, Uitterlinden AG, Uusitupa M, van Duijn CM, Vanhala M, Varma R, Vermeulen SH, Vestergaard H, Vitart V, Vogt TF, Vuckovic D, Wagenknecht LE, Walker M, Wallentin L, Wang F, Wang CA, Wang S, Wareham NJ, Warren HR, Waterworth DM, Wessel J, White HD, Willer CJ, Wilson JG, Wood AR, Wu Y, Yaghootkar H, Yao J, Yerges-Armstrong LM, Young R, Zeggini E, Zhan X, Zhang W, Zhao JH, Zhao W, Zheng H, Zhou W, Zillikens MC; CHD Exome+ Consortium; Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium; EPIC-CVD Consortium; ExomeBP Consortium; Global Lipids Genetic Consortium; GoT2D Genes Consortium; InterAct; ReproGen Consortium; T2D-Genes Consortium; MAGIC Investigators, Rivadeniera F, Borecki IB, Pospisilik JA, Deloukas P, Frayling TM, Lettre G, Mohlke KL, Rotter JI, Kutalik Z, Hirschhorn JN, Cupples LA, Loos RJF, North KE, Lindgren CM. Protein-coding variants implicate novel genes related to lipid homeostatis contributing to body-fat distribution. *Nat Genet*. 2019;51(3):452-469.](https://www.ncbi.nlm.nih.gov/pubmed/30778226)
9. [Guo X, Kelly TN, Sun X, He KY, Brown MR, Taliun SAG, Hellwege JN, Irvin MR, Mi X, Brody JA, Franceschini N, Hwang SJ, de Vries PS, Gao Y, Moscati A, Nadkarni GN, Yanek LR, Elfassy T, Smith JA, Chung RH, Beitelshees AL, Patki A, Aslibekyan S, Blobner RM, Peralta JM, Assimes TL, Palmas WR, Liu C, Bress AP, Huang Z, Becker LC, Hwa CM, O’Connell JR, Carlson JC, Warren HR, Das S, Giri A, Martin LW, Johnson WG, Fox ER, Bottinger EP, Razavi AC, Vaidya D, Chuang LM, Chang YPC, Naseri T, Jain D, Kang HM, Hung AM, Srinivasasainagendra V, Snively BM, Gu D, Montasser ME, Reupena MS, Heavner BD, LeFaive J, Hixson JE, Rice KM, Wang FF, Nielsen JB, Huang J, Khan AT, Zhou W, Nierenberg JL, Laurie CC, Armstrong ND, Shi M, Pan Y, Stilp AM, Emery L, Wong Q, Hawley NL, Minster RL, Curran JE, Munroe PB, Weeks DE, North KE, Tracy RP, Kenny EE, Shimbo D, Chakravarti A, Rich SS, Reiner AP, Blangero J, Redline S, Mitchell BD, Rao DC, Chen YDI, Kardia SLR, Kaplan RC, Mathias RA, He J, Psaty BM, Fornage M, Loos RJF, Correa A, Boerwinkle E, Rotter JI, Kooperberg C, Edwards TL, Abecasis GR, Zhu X, Levy D, Arnett DK, Morrison AC; Samoan Obesity, Lifestyle, and Genetic Adaptations Study (OLaGA) Group, ‡NHLBI Trans-Omics for Precision Medicine TOPMed) Consortium. Insights From a Large-Scale Whole-Genome Sequencing Study Systolic Blood Pressure, Diastolic Blood Pressure, and Hypertension. *Hypertension*. 2022;79(8):1656-1667.](https://pubmed.ncbi.nlm.nih.gov/35652341/)
10. [Guo X, Kilpelainen TO, Bentley AR, Noordam R, Sung YU, Schwander K, Winkler TW, Jakupovic H, Chasman DI, Manning A, Ntalla I, Aschard H, Brown MR, de Las Fuentes L, Franceschini N, Vojinovic D, Aslibekyan S, Feitosa MF, Kho M, Musani SK, Richard M, Wang H, Wang Z, Bartz TM, Bielak LF, Campbell A, Dorajoo R, Fisher V, Hartwig FP, Horimoto ARVR, Li C, Lohman KK, Marten J, Sim X, Smith AV, Tajuddin SM, Alver M, Amini M, Boissel M, Chai JF, Chen X, Divers J, Evangelou E, Gao C, Graff M, Hirris SE, He M, Hsu FC, Jackson AU, Zhao JH, Kraja AT, Kuhnel B, Laguzzi F, Lyytikainen LP, Nolte IM, Rauramaa R, Riaz M, Robino A, Rueedi R, Stringham HM, Takeuchi F, van der Most PJ, Varga TV, Verweij, N, Ware EB, Wen W, Li X, Yanek LR, Amin N, Arnett DK, Boerwinkle E, Brumat M, Cade B, Canouil M, Chen YI, Concas MP, Connell J, de Mutsert R, de Silva HJ, de Vries PS, Demirkan A, Ding J, Eaton CB, Faul JD, Friedlander Y, Gabriel KP, Ghanbari M, Giulianini F, Gu CC, Gu D, Harris TB, He J, Heikkinen S, Heng CK, Hunt SC, Ikram MA, Jonas JB, Koh WP, Komulainen P, Krieger JE, Kritchevsky SB, Kutalik S, Kuuissto J, Langefeld CD, Langenberg C, Launer LJ, Leander K, Lemaitre RN, Lewis CE, Liang J; Lifelines Cohort Study, Liu J, Magi R, Manichaikul A, Meitinger T, Metspalu A, Milaneschi Y, Mohlke KL, Mosley TH Jr, Murray AD, Nalls MA, Nang EK, Nelson CP, Nona S, Norris JM, Nwuba CV, O’Connell J, Palmer ND, Papanicolau GJ, Pazoki R, Pedersen NL, Peters A, Peyser PA, Polasek O, Porteous DJ, Poveda A, Raitakari OT, Rich SS, Risch N, Robinson JG, Rose LM, Rudan I, Schreiner PJ, Scott RA, Sidney SS, Sims M, Smith JA, Snieder H, Sofer T, Starr JM, Sternfeld B, Strauch K, Tang H, Taylor KD, Tsai MY, Tuomilehto, J, Uitterlinden AG, van der Ende MY, van Heemst D, Voortman T, Waldenberger M, Wennberg P, Wilson G, Xiang YB, Yao J, Yu C, Yuan JM, Zhao W, Zonderman AB, Becker DM, Boehnke M, Bowden DW, de Faire U, Deary IJ, Elliott P, Esko T, Freedman BI, Froguel P, Gasparini P, Gieger C, Kato N, Laakso M, Lakka TA, Lehtimaki T, Magnusson PKE, Oldehinkel AJ, Penninx BWJH, Samani NJ, Shu XO, van der Harst P, Van Vliet-Ostaptchouk JV, Volleweider P, Wagenknecht LE, Wang YX, Wareham NJ, Weir DR, Wu T, Zheng W, Zhu X, Evans MK, Franks PW, Gudnason V, Hayward C, Horta BL, Kelly TN, Liu Y, North KE, Pereira AC, Ridker PM, Tai ES, van Dam RM, Fox ER, Kardia SLR, Liu CT, Mook-Kanamori DO, Province MA, Redline S, van Duijn CM, Rotter JI, Kooperberg CB, Gauderman WJ, Psaty BM, Rick K, Munroe PB, Fornage M, Cupples LA, Rotimi CN, Morrison AC, Rao DC, Loos RJF. Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. *Nat Commun*. 2019;10(1):376. doi: 10.1038/s41467-018-08008-w.](https://www.ncbi.nlm.nih.gov/pubmed/30670697)
11. [Guo X, Kraja AT, Cook JP, Warren HR, Surendran P, Liu C, Evangelou E, Manning AK, Grarup N, Drenos F, Sim X, Smith AV, Amin N, Blakemore AIF, Bork-Jensen J, Brandslund I, Farmaki AE, Fava C, Ferreira T, Herzig KH, Giri A, Giulianini F, Grove ML, Harris SE, Have CT, Havulinna AS, Zhang H, Jorgensen ME, Karajamaki A, Kooperberg C, Linneberg A, Little L, Liu Y, Bonnycastle LL, Lu Y, Magi R, Mahajan A, Malerba G, Marioni RE, Mei H, Menni C, Morrison AC, Padmanabhan S, Palmas W, Poveda A, Rauramaa R, Rayner NW, Riaz M, Rice K, Richard MA, Smith JA, Southam L, Stancakova A, Stirrups KE, Tragante V, Tuomi T, Tzoulaki I, Varga TV, Weiss S, Yiorkas AM, Young R, Zhang W, Barnes MR, Cabrera CP, Gao H, Boehnke M, Boerwinkle E, Chambers JC, Connell JM, Christensen Ck, de Boer RA, Deary IJ, Dedoussis G, Deloukas P, Dominiczak AF, Dorr M, Joehanes R, Edwards TL, Esko T, Fornage M, Franceschini N, Franks PW, Gambaro G, Groop L, Hallmans G, Hansen T, Hayward C, Heikko O, Ingelsson E, Tuomilehto J, Jarvelin MR, Kardia SLR, Karpe F, Kooner JS, Lakka TA, Langenberg C, Lind L, Loos RJF, Laakso M, McCarthy MI, Melander O, Mohlke KL, Morris AP, Palmer CAN, Pedersen O, Polasek O, Poulter NR, Province MA, Psaty BM, Ridker PM, Rotter JI, Rudan I, Salomaa V, Samani NJ, Sever PJ, Skaaby T, Stafford JM, Starr JM, van der Harst P, van der Meer P; Understanding Society Scientific Group, van Duijn CM, Vergnaud AC, Gudnason V, Wareham NJ, Wilson JG, Willer CJ, Witte DR, Zeggini E, Saleheed D, Butterworth AS, Danesh J, Asselbergs FW, Wain LV, Ehret GB, Chasman DI, Caulfield MJ, Elliot P, Lindgren CM, Levy D, Newton-Cheh C, Munroe PB, Howson JMM; CHARGE EXOME BP, CHD Exome+, Exome BP, GoT2D:T2DGenes Consortia, The UK Biobank Cardio-Metabolic Traits Consortium Blood Pressure Working Group. New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. *Circ Cardiovasc Genet*. 2017;10(5). pii: e001778. doi: 10.1161/CIRCGENETICS. 117.001778.](https://www.ncbi.nlm.nih.gov/pubmed/?term=New+Blood+Pressure-Associated+Loci+Identified+in+Meta-Analyses+of+475+000)
12. [Guo X, Liu CT, Raghavan S, Maruthur N, Kabagambe EK, Hong J, Hg MC, Hivert MF, Lu Y, An P, Bently AR, Drolet AM, Gaulton KJ, Armstrong LL, Irvin MR, Li M, Lipovich L, Rybin DV, Taylor KD, Agyemang C, Palmer ND, Cade BE, Chen WM, Dauriz M, Delaney JA, Edwards TL, Evans DS, Evans MK, Lange LA, Leong A, Liu J, Liu Y, Navak U, Patel SR, Porneala BC, Rasmussen-Torvik LJ, Snijder MB, Stallings SC, Tanaka T, Yanek LR, ZhaoW, Becker DM, Bielak LF, Biggs ML, Bottinger EP, Bowden DW, Chen G, Correa A, Couper DJ, Crawford DC, Cushman M, Eicher JD, Fornage M, Franceschini N, Fu YP, Goodarzi MO, Gottesman O, Hara K, Harris TB, Jensen RA, Johnson AD, Jhun MA, Karter AJ, Keller MF, Kho AN, Kizer JR, Krauss RM, Langefeld CD, Li X, Liang J, Liu S, Lowe WL Jr, Mosley TH, North KE, Pacheco JA, Peyser PA, Patrick LA, Rice KM, Selvin E, Sims M, Smith JA, Tajuddin SM, Vaidya D, Wren MP, Yao J, Zhu X, Ziegler JT, Zmuda JM, Zonderman AB, Zwinderman AH; AAAG Consortium; CARe Consortium; COGENT-BP Consortium; eMERGE Consortium; MEDIA Consortium, Adeyemo A, Boerwinkle E, Ferrucci L, Hayes MG, Kardia SL, Milijkovic I, Pankow JS, Rotimi CN, Sale MM, Wagenknecht LE, Arnett DK, Chen YD, Nalls MA; MAGIC Consortium, Province MA, Kao WH, Siscovick DS, Psaty BM, Wilson JG, Loos RJ, Dupuis J, Rich SS, Florez JC, Rotter JI, Morris AP, Meigs JB. Trans-ethnic Meta-analysis and Functional Annotation Illuminates the Genetic Architecture of Fasting Glucose and Insulin. *An J Hum Genet*. 2016;99(1):56-75.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Trans-ethnic+Meta-analysis+and+Functional+Annotation+Illuminates)
13. [Guo X, Mahajan A, Taliun D, Thurner M, Robertson NR, Torres JM, Rayner NW, Payne AJ, Steinthorsdottir V, Scott RA, Grarup N, Cook JP, Schmidt EM, Wuttke M, Sarnowski C, Magi R, Nano J, Gieger C, Trompet S, Lecoeur C, Preuss MH, Prins BP, Bielak LF, Below JE, Bowden DW, Chambers JC, Kim YJ, Ng MCY, Petty LE, Sim X, Zhang W, Bennett AJ, Bork-Jensen J, Brummett CM, Canouil M, Ec Kardt KU, Fischer K, Kardia SLR, Kronenberg F, Lall K, Liu CT, Locke AE, Luan J, Ntalla I, Nylander V, Schonherr S, Schurmann C, Yengo L, Bottinger EP, Brandslund I, Christensen C, Dedoussis G, Florez JC, Ford I, Franco OH, Frayling TM, Geidraitis V, Hackinger S, Hattersley AT, Herder C, Ikram MA, Ingelsson M, Jorgensen ME, Jorgensen T, Kriebel J, Kuusisto J, Ligthart S, Lindgren CM, Linneberg A, Lyssenko V, Mamakou V, Meitinger T, Mohlke KL, Morris AD, Nadkarni G, Pankow JS, Peters A, Sattar N, Stancakova A, Strauch K, Taylor KD, Thorand B, Thorleifsson G, Thorsteindottir U, Tuomilehto J, Witte DR, Dupuis J, Peyser PA, Zeggini E, Loos RJF, Froguel P, Ingelsson E, Lind L, Groop L, Laakso M, Collins FS Jukema JW, Palmer CNA, Grallert H, Metspalu A, Dehghan A, Kottgen A, Abecasis GR, Meigs JB, Rotter JI, Marchini J, Pedersen O, Hansen T, Langenberg C, Wareham NJ, Stefansson K, Gloyn AL, Morris AP, Boehnke M, McCarthy MI. Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. *Nat Genet*. 2018;50(11):1505-1513.](https://www.ncbi.nlm.nih.gov/pubmed/30297969)
14. [Guo X, Marouli E, Graff M, Medina-Gomez C, Lo KS, Wood AR, Kiaer TR, Fine RS, Lu Y, Schurmann C, Highland HM, Rueger S, Thorleifsson G, Justice AE, Lamparter D, Stirrups KE, Turcot V, Young KL, Winkler TW, Esko T, Karaderi T, Locke AE, Masca NG, Ng MC, Mudgal P, Rivas MA, Vedantam S, Mahajan A, Abecasis G, Aben KK, Adair LS, Alam DS, Albrecht E, Allin KH, Allison M, Amouyel P, Appel EV, Arveiler D, Asselbergs FW, Auer PL, Balkau B, Banas B, Bang LE, Benn M, Bergmann S, Bielak LF, Bluher M, Boeing H, Boerwinkle E, Boger CA, Bonnycastle LL, Bork-Jensen J, Bots ML, Bottinger EP, Bowden DW, Bradslund I, Breen G, Brilliant MH, Broer L, Burt AA, Butterworth AS, Carey DJ, Caulfield MJ, Chambers JC, Chasman DI, Chen YI, Chowdhury R, Christensen C, Chu AY, Cocca M, Collins FS, Cook JP, Corley J, Galbany JC, Cox AJ, Cuellar-Partida G, Danesh J, Davies G, de Bakker PI, de Borst GJ, de Denus S, de Groot MC, de Mutsert R, Deary IJ, Dedoussis G, Demerath EW, de Hollander AI, Dennis JG, Di Angelantonio E, Drenos F, Du M, Dunning AM, Easton DF, Ebeling T, Edwards TL, Ellinor PT, Elliott P, Evangelou E, Farmaki AE, Faul JD, Feitosa MF, Feng S, Ferrannini E, Ferrario MM, Ferrieres J, Florez JC, Ford I, Fornage M, Franks PW, Frikke-Schmidt R, Galesoot TE, Gan W, Gandin I, Gasparini P, Giedraitis V, Giri A, Girotto G, Gordon SD, Gordon-Larsen P, Gorski M, Grarup N, Grove ML, Gudnason V, Gustafsson S, Hansen T, Harris KM, Harris TB, Hattersley AT, Hayward C, He L, Heid IM, Heikkila K, Helgeland O, Hernesniemi J, Hewitt AW, Hocking LJ, Hollensted M, Holmen OL, Hovingh GK, Howson JM, Hoyng CB, Huang PL, Hveem K, Ikram MA, Ingelsson E, Jackson AU, Jansson JH, Jarvik GP, Jensen GB, Jhun MA, Jia Y, Jiang X, Johansson S, Jorgensen ME, Jorgensen T, Jousilahti P, Jukema JW, Kahali B, Kahn RS, Kahonen M, Kamstrup PR, Kanoni S, Kaprio J, Karalefheri M, Kardia SL, Karpe F, Kee F, Keeman R, Kiemeney LA, Kitajima H, Kluivers KB, Kocher T, Komulainen P, Kontto J, Kooner JS, Kooperberg C, Kovacs P, Kriebel J, Kuivaniemi H, Kury S, Kuusisto J, La Bianca M, Laakso M, Lakka TA, Lange EM, Lange LA, Langefeld CD, Langenberg C, Larson EB, Lee IT, Lehtimaki T, Lewis CE, Li H, Li J, Li-Gao R, Lin H, Lin LA, Lin X, Lind L, Lindstrom J, Linneberg A, Liu Y, Liu Y, Lophatananon A, Luan J, Lubitz SA, Lyytikainen LP, Mackey DA, Madden PA, Manning AK, Mannisto S, Marenne G, Marten J, Martin NG, Mazul AL, Meidtner K, Metspalu A, Mitchell P, Mohlke KL, Mook-Kanamori DO, Morgan A, Morris AD, Morris AP, Muller-Nurasyid M, Munroe PB, Nalls MA, Nauck M, Nelson CP, Neville M, Nielsen SF, Nikus K, Njolstad PR, Nordestgaard BG, Ntalla I, O’Connel JR, Oksa H, Loohuis LM, Ophoff RA, Owen KR, Packard CJ, Padmanabhan S, Palmer CN, Pasterkamp G, Patel AP, Pattie A, Pedersen O, Peissig PL, Peloso GM, Pennell CE, Perola M, Perry JA, Perry JR, Person TN, Pirie A, Polasek O, Posthuma D, Raitakari OT, Rasheed A, Rauramaa R, Reilly DF, Reiner AP, Renstrom F, Ridker PM, Rioux JD, Robertson N, Robino A, Rolandsson O, Rudan I, Ruth KS, Saleheen D, Salomaa V, Samani NJ, Sandow K, Sapkota Y, Sattar N, Schmidt MK, Schreiner PJ, Schulze MB, Scott RA, Segura-Lepe MP, Shah S, Sim X, Sivapalaratnam S, Small KS, Smith AV, Smith JA, Southam L, Spector TD, Speliotes EK, Starr JM, Steinthorsdottir V, Stringham HM, Stumvoll M, Suredran P, ‘t Hart LM, Tansey KE, Tardif, Taylor KD, Teumer A, Thompson DJ, Thorsteinsdottir U, Thuesen BH, Tonjes A, Tromp G, Trompet S, Tsafantakis E, Tuomilehto J, Tybjaerg-Hansen A, Tyrer JP, Uher R, Uitterlinden AG, Ulivi S, van der Laan SW, Van Der Leij AR, van Duijn CM, van Schoor NM, van Setten J, Varbo A, Varga TV, Varma R, Edwards DR, Vermeulen SH, Vestergaard H, Vitart V, Vogt TF, Vozzi D, Walker M, Wang F, Wang CA, Wang S, Wareham NJ, Warren HR, WesselJ, Willems SM, Wilson JG, Witte DR, Woods MO, Wu Y, Yaghootkar H, Yao J, Yao P, Yerges-Armstrong LM, Young R, Zeggini E, Zhan X, Zhang W, Zhao JH, Zhao W, Zhao W, Zheng H, Zhou W; EPIC-InterAct Consortium; CHD Exome+ Consortium; ExomeBP Consortium; T2D-Genes Consortium; GoT2D Genes Consortium; Global Lipids Genetics Consortium; ReproGen Consortium; MAGIC Investigators; Rotter JI, Boehnke M, Kathieresan S, McCarthy MI, Willer CJ, Stefansson K, Borecki IB, Liu DJ, North KE, Heard-Costa NL, Pers TH, Lindgren CM, Oxvig C, Kutalik Z, Rivadeneira F, Loos RJ, Frayling TM, Hirschhorn JN, Deloukas P, Lettre G. Rare and low-frequency coding variants alter human adult height. *Nature*. 2017;542(7640);186-190.](https://www.ncbi.nlm.nih.gov/pubmed/28146470)
15. [Guo X, Ng MCY, Graff M, Lu Y, Justice AE, Mudgal P, Liu CT, Young K, Yanek LR, Feitosa MF, Wojczynski MK, Rand K, Brody JA, Cade BE, Dimitrov L, Duan Q, Lange LA, Nalls MA, Okut H, Tajuddin SM, Tayo BO, Vadantam S, Bradfield JP, Chen G, Chen WM, Chesi A, Irvin MR, Padhukasahasram B, Smith JA, Zheng W, Allison MA, Ambrosone CB, Bandera EV, Bartz TM, Berndt SI, Bernstein L, Blot WJ, Bottinger EP, Carpten J, Chanock SJ, Chen YI, Conti DV, cooper RS, Fornage M, Freedman BI, Garcia M, Goodman PJ, Hsu YH, Hu J, Huff CD, Ingles SA, John EM, Kittles R, Klein E, Li J, McKnight B, Navak U, Nemesure B, Ogunniyi A, Olshan A, Press MF, Rohde R, Rybicki BA, Salako B, Sanderson M, Shao Y, Siscovick DS, Stanford JL, Stevens VL, Stram A, Strom SS, Vaidya D, Witte JS, Yao J, Zhu Z, Ziegler RG, Zonderman AB, Adeyemo A, Ambs S, Cushman M, Faul JD, Hakonarson H, Levin AM, Nathanson KL, Ware EB, Weir DR, Zhao W, Zhi D; Bone Mineral Density in Childhood Study (BMDCS) Group, Arnett DK, Grant SFA, Kardia, Oloapde OI, Rao DC, Rotimi CN, Sale MM, Williams LK, Zemel BS, Becker DM, Borecki IB, Evans MK, Harris TB, Hirschhorn JN, Li Y, Patel SR, Psaty BM, Rotter JI, Wilson JG, Bowden DW, Cupples LA, Hairman CA, Loos RJF, North KE. Discovery and fine-mapping of adiposity loci using high density imputation of genome-wide association studies in individuals of African ancestry: African Ancestry Anthropometry Genetics Consortium. *PLoS Genet*. 2017;13(4):e1006719. doi: 10.1371/journal.pgen.1006719. eCollection 2017 Apr.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Discovery+and+fine-mapping+of+adiposity+loci+using+high+density)
16. [Guo X, Olfson E, Saccone NL, Johnson EO, Chen LS, Culverhouse R, Doheny K, Foltz SM, Fox L, Gogarten SM, Hartz S, Hetrick K, Laurie CC, Marosy B, Amin N, Arnett D, Barr RG, Bartz TM, Bertelsen S, Borecki IM, Brown MR, Chasman DI, vanDuijn CM, Feitosa MF, Fox ER, Franceschini N, Franco OH, Grove ML, Hofman A, Kardia SL, Morrison AC, Musani SK, Psaty BM, Rao DC, Reiner AP, Rice K, Ridker PM, Rose LM, Schick UM, Schwander K, Uitterlinden AG, Vojinovic D, Wang JC, Ware EB, Wilson G, Yao J, Zhao W, Breslau N, Hatsukami D, Stitzel JA, Rice J, Goate A, Bierut LJ. Rare, low frequency and common coding variants in CHRNA5 and their contribution to nicotine dependence in European and African Americans. *Mol Psychiatry*. 2016;21(5):601-607.](https://www.ncbi.nlm.nih.gov/pubmed/26239294)
17. [Guo X, Palmer ND, Goodarzi MO, Langefeld CD, Wang N, Taylor KD, Fingerlin TE, Norris JM, Buchanan TA, Xiang AH, Haritunians T, Ziegler JT, Williams AH, Stefanovski D, Cui J, Mackay AW, Henkin LF, Bergman RN, Gao X, Gauderman J, Varma R, Hanis CL, Cox NJ, Highland HM, Below JE, Williams AL, Burtt NP, Aguilar-Salinas CA, Huerta-Chagoya A, Gonzalez-Villalpando C, Orozco L, Haiman CA, Tsai MY, Johnson WC, Yao J, Rasmussen-Torvik L, Pankow J, Snively B, Jackson RD, Liu S, Nadler JL, Kandeel F, Chen YI, Bowden DW, Rich SS, Raffel LJ, Rotter JI, Watanabe RM Wagenknecht LE. Genetic Variants Associated With Quantitative Glucose Homeostasis Traits Translate to Type 2 Diabetes in Mexican Americans: The GUARDIAN (Genetics Underlying Diabetes in Hispanics) Consortium. *Diabetes*. 2015;64(5):1853-1866.](http://www.ncbi.nlm.nih.gov/pubmed/25524916)
18. [Guo X, Postmus I, Warren HR, Trompet S, Arsenault BJ, Avery CL, Bis JC, Chasman DI, de Keyser CE, Deshmukh HA, Evans DS, Feng Q, Li X, Smit RA, Smith AV, Sun F, Taylor KD, Arnold AM, Barnes MR, Barratt BJ, Betteridge J, Boekholdt SM, Boerwinkle E, Buckley BM, Chen YI, de Craen AJ, Cummings SR, Denny JC, Dube MP, Durrington PN, Eiriksdottir G, Ford I, Harris TB, Heckbert SR, Hofman A, Hovingh GK, Kastelein JJ, Launer LJ, Liu CT, Liu Y, Lumley T, McKeigue PM, Monroe PB, Neil A, Nickerson DA, Nyberg F, O’Brien E, O’Donnell CJ, Post W, Poulter N, Vasan RS, Rice K, Rich SS, Rivadeneira F, Sattar N, Sever P, Shaw-Hawkins S, Shields DC, Slagboom PE, Smith NL, Smith JD, Sotoodehnia N, Stanton A, Stott DJ, Stricker BH, Stumer T, Uitterlinden AG, Wei WQ, Westendorp RG, Whitsel EA, Wiggins KL, Wilke RA, Ballantyne CM, Colhoun HM, Cupples LA, Franco OH, Gudnason V, Hitman G, Palmar CN, Psaty BM, Ridker PM, Stafford JM, Stein CM, Tardif JC, Caulfield MJ, Jukema JW, Rotter JI, Kraus RM. Meta-analysis of genome-wide association studies of HDL cholesterol response to statins. *J Med Genet*. 2016;53(12):835-845.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Meta-analysis+of+genome-wide+association+studies+of+HDL+cholesterol+response+to+statins)
19. [Guo X, Richard MA, Huan T, Ligthart S, Gondalia R, Jhun MA, Brody JA, Irvin MR, Marioni R, Shen J, Tsai PC, Montasser ME, Jia Y, Syme C, Salfati EL, Boerwinkle E, Guan W, Mosley TH Jr, Bressler J, Morrison AC, Liu C, Mendelson MM, Uitterlinden AG, van Meurs JB; BIOS Consortium, Franco OH, Zhang G, Li Y, Steward JD, Bis JC, Psaty BM, Chen YI, Kardia SLR, Zhao W, Turner ST, Absher D, Aslibekyan S, Starr JM, McRae AF, Hou L, Just AC, Schwartz JD, Vokonas PS, Menni C, Spector TD, Shuldiner A, Damcott CM, Rotter JI, Palmas W, Liu Y, Paus T, Horvath S, O’Connell JR, Pausova Z, Assimes TL, Sotoodehnia N, Smith JA, Arnett DK, Deary IJ, Baccarelli AA, Bell JT, Whitsel E, Dehghan A, Levy D, Fornage M. DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. *Am J Hum Genet*. 2017;101(6):888-902.](https://www.ncbi.nlm.nih.gov/pubmed/29198723)
20. [Guo X, Sabater-Lleal M, Huang J, Chasman D, Naitza S, Dehghan A, Johnson AD, Teumer A, Reiner AP, Folkersen L, Basu S, Rudnicka AR, Trompet S, Malarstig A, Baumert J, Bis JC, Hottenga JJ, Shin SY, Lopez LM, Lahti J, Tanaka T, Yanek LR, Oudot-Mellakh T, Wilson JF, Navarro P, Huffman JE, Zemunik T, Redline S, Mehra R, Pulanic D, Rudan I, Wright AF, Kolcic I, Polasek O, Wild SH, Campbell H, Curb JD, Wallace R, Liu S, Eaton CB, Becker DM, Becker LC, Bandinelli S, Raikkonen K, Widen E, Palotie A, Fornage M, Green D, Gross M, Davies G, Harris SE, Liewald DC, Starr JM, Williams FM, Grant PJ, Spector TD, Strawbridge RJ, Silveira A, Sennblad B, Rivadeneira F, Uitterlinden AG, Franco OH, Hofman A, van Dongen J, Willemsen G, Boomsma DI, Yao J, Swords Jenny N, Haritunians T, McKnight B, Lumley T, Taylor KD, Rotter JI, Psaty BM, Peters A, Gieger C, Illig T, Grotevendt A, Homuth G, Volzke H, Kocher T, Goel A, Franzosi MG, Seedorf U, Clarke R, Steri M, Tarasov KV, Sanna S, Schlessinger D, Stott DJ, Sattar N, Buckley BM, Lowe GD, McArdle WL, Chen MH, Tofler GH, Song J, Boerwinkle E, Folsom AR, Rose LM, Franco-Cereceda A, Teichert M, Ikram MA, Mosley TH, Bevan S, Dichgans M, Rothwell PM, Sudlow CL, Hopewell JC, Chambers JC, Saleheen D, Kooner JS, Danesh J, Nelson CP, Erdmann J, Reilly MP, Kathiresan S, Schunkert H, Morange PE, Ferrucci L, Eriksson JG, Jacobs D, Deary IJ, Soranzo N, Witteman JC, de Geus EJ, Tracy RP, Hayward C, Koenig W, Cucca F, Jukema JW, Eriksson P, Seshardi S, Markus HS, Watkins H, Samani NJ; VTE Consortium; STROKE Consortium; Wellcome Trust Case Control Consortium 2 (WTCCC2); C4D Consortium; CARDIoGRAM Consortium, Wallaschofski H, Smith NL, Tregouet D, Ridker PM, Tang W, Strachan DP, Hamsten A, O’Donnell CJ. Multiethnic meta-analysis of genome-wide association studies in >100 000 subjects identifies 23 fibrinogen-associated Loci but no strong evidence of a causal association between circulation fibrinogen and cardiovascular disease. *Circulation*. 2013;128(12):1310-1324.](https://www.ncbi.nlm.nih.gov/pubmed/23969696)
21. [Guo X, Sabater-Lleal M, Huffman JE, de Vriew PS, Marten J, Mastrangelo MA, Song C, Pankratz N, Ward-Caviness CK, Yanek LR, Trompet S, Delgado GE, Bartz TM, Martinez-Perez A, Germain M, de Haan HG, Ozel AB, Polasek O, Smith AV, Eicher JD, Reiner AP, Tang W, Davies NM, Stott DJ, Rotter JI, Tofler GH, Boerwinkle E, de Maat MPM, Kleber ME, Welsh P, Brody JA, Chen MH, Vaidya D, Soria JM, Suchon P, van Hylckama Vlieg A, Desch KS, Kolcic I, Joshi PK, Launer LJ, Harris TB, Campbell H, Rudan I, Becker Dm, Li JZ, Rivadeneira F, Uitterlinden AG, Hofman A, Franco OH, Cushman M, Psaty BM, Morange PE, McKnight B, Chong MR, Fernandez-Cadenas I, Rosand J, Lindgren A; INVENT Consortium; MEGASTROKE Consortium of the International Stroke Genetics Consortium (ISGC), Gudnason V, Wilson JF, Hayward C, Ginsburg D, Fornage M, Rosendaal FR, Souto JC, Becker LC, Jenny NS, Marz W, Jukema JW, Dehghan W, Tregouet DA, Morrison AC, Johnson AD, O’Donnell CJ, Strachan DP, Lowenstein CJ, Smith NL. Genome-Wide Association Transethnic Meta-Analyses Identifies Novel Associations Regulating Coagulation Factor VIII and von Willebrand Factor Plasma Levels. *Circulation*. 2019;139(5):620-635.](https://www.ncbi.nlm.nih.gov/pubmed/30586737)
22. [Guo X, Sarnowski C, Leong A, Raffield LM, Wu P, de Vries PS, DiCorpo D, Xu H, Liu Y, Zheng X, Hu Y, Brody JA, Goodarzi MO, Hidalgo BA, Highland HM, Jain D, Liu CT, Naik RP, O’Connell JR, Perry JA, Porneala BC, Selvin E, Wessel J, Psaty BM, Curran JE, Peralta JM, Blangero J, Kooperberg C, Mathias R, Johnson AD, Reiner AP, Mitchel BD, Cupples LA, Vasan RS, Correa A, Morrison AC, Boerwinkle E, Rotter JI, Rich SS, Manning AK, Dupuis J, Meigs JB; TOPMed Diabetes Working Group: TOPMed Hematology Working Group: TOPMed Hemostasis Working Group; National Heart, Lung, and Blood Institute TOPMed Consortium. Impact of Rare and Common Genetic Variants on Diabetes Diagnosis by Hemoglobin A1c in Multi-Ancestry Cohorts: The Trans-Omics for Precision Medicine Program. *AM J Hum Genet*. 2019;105(4):706-718.](https://www.ncbi.nlm.nih.gov/pubmed/31564435)
23. [Guo X, Spracklen CN, Chen P, Kim YJ, Wang X, Cai H, li S, Long J, Wu Y, Wang YX, Takeuchi F, Wu JY, Jung KL, Hu C, Akiyama K, Zhang Y, Moon S, Johnson TA, Li H, Dorajoo R, he M, Cannon ME, Roman TS, Salfati E, Lin KH, Sheu WHH, Absher D, Adair LS, Assimes TL, Aung T, Cai Q, Chang LC, Chen CH, Chien LH, Chuang LM, Chuang SC, Du S, Fan Q, Fann CSJ, Feranil AB, Friedlander Y, Gordon-Larsen P, Gu D, Gui L, Guo Z, Heng CK, Hixson J, Hou X, Hsiung CA, Hu Y, Hwang My, Hwu CM, Isono M, Juang JJ, Khor CC, Kim YK, Koh WP, Kubo M, Lee IT, Lee SJ, See WJ, Liang KW, Lim B, Lim SH, Liu J, Nabika T, Pan WH, Peng H, Quertemous T, Sabanayagam C, Sandow K, Shi J, Sun L, Tan PC, Tan SP, Taylor KD, Teo YY, Toh SA, Tsunoda T, van Dam RM, Wang A, Wang F, Wang J, Wei WB, Xiang YB, Yao J, Yuan JM, Zhang R, Zhao W, Chen YI, Rich SS, Rotter JI, Wang TD, Wu T, Lin X, Han BG, Tanaka , Cho YS, Katsuya T, Jia W, Jee SH, Chen YT, Kato N, Jonas JB, Cheng CY, Shu XO, He J, Zheng W, Wong TY, Huang W, Kim BJ, Tai ES, Mohlke KL, Sim X. Association analyses of East Asian individuals and trans-ancestry analyses with European individuals reveal new loci associated with cholesterol and tryglyceride levels. *Hum Mol Genet*. 2017;26(9);1770-1784.](https://www.ncbi.nlm.nih.gov/pubmed/28334899)
24. [Guo X, Sung YJ, Winkler TW, de Las Fuentes L, Bentley AR, Brown MR, Kraja AT, Schwander K, Ntalla I, Fanceschini N, Lu Y, Cheng CY, Sim X, Vojinovic D, Marten J, Musani SK, Li C, Feitosa MF, Kilpelainen TO, Richard MA, Noordam R, Asilbekyan S, Aschard H, Bartz TM, Dorajoo R, Liu Y, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Tayo BO, Warren HR, Zhao W, Zhou Y, Matoba N, Sofer T, Alver M, Amini M, Boissel M, Chai JF, Chen X, Divers J, Gandin I, Gao C, Giulianini F, Goel A, Harris SE, Hartwig FP, Horimoto ARVR, Hsu FC, Jackson AU, Kahonen M, Kasturiratne A, Kuhnel B, Leander K, Lee WJ, Lin KH, an Luan J, McKenzie CA, Meian H, Nelson Cp, Rauramaa R, Schupf N, Scott RA, Sheu WHH, Stancakova A, Takeuchi F, van der Most PJ, Varga TV, Wang H, Wang Y, Ware EB, Weiss S, Wen W, Yanek LR, Zhang W, Zhao JH, Afag S, Alfred T, Amin N, Arking D, Aung T, Barr RG, Bielak LF, Boerwinkle E, Bottinger EP, Braund PS, Brody JA, Broeckel U, Cabrera CP, Cade B, Caizheng Z, Campbell A, Canouil M, Chakravarti A; CHARGE Neurology Working Group, Chauhan G, Christensen K, Cocca M; COGENT-Kidney Consortium, Collins FS, Connell JM, de Mutsert R, de Silva HJ, Debette S, Dorr M, Duan Q, Eaton CB, Ehret G, Evangelou E, Faul JD, Fisher VA, Forouhi NG, Franco OH, Friedlander Y, Gao H, GIANT Consortium, Giante B, Graff M, Gu CC, Gu D, Gupta P, Hagenaars SP, Harris TB, He J, Heikkinen S, Heng CK, Hirata M, Hofman A, Howard BV, Hunt S, Irvin MR, Jia Y, Joehanes R, Justice AE, Katsuva T, Kaufman J, Kerrison ND, Khor CC, Koh WP, Koistinen HA, Komulainen P, Kooperberg C, Krieger JE, Kubo M, Kuusisto J, Langefeld CD, Langeberg C, Launer LJ, Lehne B, Lewis CE, Li Y; Lifelines Cohort Study, Lim SH, Lin S, Liu CT, Liu J, Liu J, Liu K, Liu Y, Loh M, Lohman KK, Long J, Louie T, Magi R, Mahajan A, Meitinger T, Metspalu A, Milani L, Momozawa Y, Morris AP, Mosley TH Jr, Munson P, Murray AD, Nalls MA, Nasri U, Norris JM, North K, Ogunniyi A, Padmanabhan S, Palmas WR, Palmer ND, Pankow JS, Pedersen NL, Peters A, Peyser PA, Polasek O, Raitakari OT, Renstrom F, Rice TK, Ridker PM, Robino A, Robinson JG, Rose LM, Rudan I, Sabanayagam C, Salako BL, Sandow K, Schmidt CO, Schreiner PJ, Scott WR, Seshadri S, Sever P, Sitlani CM, Smith JA, Snieder H, Starr JM, Strauch K, Tang H, Taylor KD, Teo YY, Tham YC, Uitterlinden AG, Waldenberger M, Wang L, Wang YX, Wei WB, Williams C, Wilson G, Wojczynski MK, Yao J, Yuan JM, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Chen YI, de Faire U, Deary IJ, Esko T, Farrall M, Forrester T, Franks PW, Freedman BI, Forguel P, Gasparini P, Gieger C, Horta BL, Hung YJ, Jonas JB, Kato N, Kooner JS, Laakso M, Lehtimaki T, Liang KW, Magnusson PKE, Newman AB, Oldehinkel AJ, Pereira AC, Redline S, Rettig R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Wu T, Zheng W, Kamatani Y, Laurie CC, Bouchard C, Cooper RS, Evans MK, Gudnason V, Kardia SLR, Kritchevsky SB, Levy D, O’Connell JR, Psaty BM, Van Dam RM, Sims M, Arnett DK, Mook-Kanamori DO, Kelly TN, Fox ER, Hayward C, Fornage M, Rotimi CN, Province MA, van Duijn CM, Tai ES, Wong TY, Loos RJF, Reiner AP, Rotter JI, Zhu X, Bierut LJ, Gauderman WJ, Caulfield MJ, Elliott P, Rice K, Munroe PB, Morrison AC, Cupples LA, Rao DC, Chasman DI. A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. *Am J Hum Genet*. 2018;102(3):375-400.](https://www.ncbi.nlm.nih.gov/pubmed/29455858)
25. [Guo X, Sung YJ, de Las Fuentes L, Winkler TW, Chasman DI, Bentley AR, Kraja AT, Ntalla I, Warren HR, Schwander K, Manning AK, Brown MR, Aschard H, Feitosa MF, Franceschini N, Lu Y, Cheng CY, Sim X, Vojinovic D, Marten J, Musani SK, Kilpelainen TO, Richard MA, Aslibekyan, Bartz TM, Dorajoo R, Li C, Liu Y, Rankinen T, Smith AV, Tajuddin SM, Tayo BO, Zhao W, Zhou Y, Matoba N, Sofer T, Alver M, Amini M, Boissel M, Chai JF, Chen X, Divers J, Gandin I, Gao C, Giulianini F, Goel A, Harris SE, Hartwig FP, He M, Horimoto ARVR, Hsu FC, Jackson AU, Kammerer CM, Kasturiratne A, Komulainen P, Kuhnel B, Leander K, Lee WJ, Lin KH, Luan J, Lyytikainen LP, McKenzie CA, Nelson CP, Noordam R, Scott RA, Sheu WHH, Stancakova A, Takeuchi F, van der Most P, Varga TV, Waken RJ, Wang H, Wang Y, Ware EB, Weiss S, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Alfred T, Amin N, Arking DE, Aung T, Garr RG, Bielak LF, Boerwinkle E, Bottinger EP, Braund PS, Brody JA, Broeckel U, Cade B, Campbell A, Canouil M, Chakravarti A, Cocca M, Collins FS, Connell JM, de Mutsert R, de Silva HJ, Dorr M, Duan Q, Eaton CB, Ehret G, Evangelou E, Faul JD, Forouhi NG, Franco OH, Friedlander Y, Gao H, Gigante B, Gu CC, Gupta P, Hagenaars SP, Harris TB, He J, Heikkinen S, Heng CK, Hofman A, Howard BV, Hunt SC, Irvin MR, Jia Y, Katsuya T, Kaufman J, Kerrison ND, Khor CC, Koh WP, Koistinen HA, Kooperberg CB, Krieger JE, Kubo M, Kutalik Z, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lee JH, Lehne B, Levy D, Lewis CE, Li Y, Lifelines Cohort Study; Lim SH, Liu CT, Liu J, Liu J, Liu Y, Loh M, Lohman KK, Louie T, Magi R, Matsuda K, Meitinger T, Metspalu A, Milani L, Momazawa Y, Mosley Jr TH, Nalls MA, Nasri U, O’Connell JR, Ogunniyi A, Palmas WR, Palmer ND, Pankow JS, Pedersen NL, Peters A, Peyser PA, Polasek O, Porteous D, Raitakari OT, Renstrom F, Rice TK, Ridker PM, Robino A, Robinson JG, Rose LM, Rudan I, Sabanayagam C, Salako BL, Sandow K, Schmidt CO, Schreiner PJ, Scott WR, Sever P, Sims M, Sitlani CM, Smith BH, Smith JA, Snieder H, Starr JM, Strauch K, Tang H, Taylor KD, Teo YY, Tham YC, Uitterlinden AG, Waldenberger M, Wang L, Wang YX, Wei WB, Wilson G, Wojczynski MK, Xiang YB, Yao J, Yuan JM, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Chen YDI, Weir DR, de Faire U, Deary IJ, Esko T, Farrall M, Forrester T, Freedman BI, Froguel P, Gasparini P, Gieger C, Horta BL, Hung YJ, Jonas JB, Kato N, Kooner JS, Laakso M, Lehtimaki T, Liang KW, Magnusson PKE, Oldehinkel AJ, Pereira AC, Perls T, Rauramaa R, Redline S, Retting R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wareham NH, Watkins H, Wickremasinghe AR, Wu T, Kamatani Y, Laurie CC, Bouchard C, Cooper RS, Evans MK, Gudnason V, Hixson J, Kardia SLR, Kritchevsky SB, Psaty BM, van Dam RM, Arnett DK, Mook-Kanamori DO, Fornage M, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Loos RJF, Reiner AP, Rotimi CN, Bierut LJ, Zhu X, Cupples LA, Province MA, Rotter JI, Franks PW, Rice K, Elliott P, Caulfield MJ, Gauderman WJ, Munroe PB, Rao DC, Morrison AC. A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. *Hum Mol Genet*. 2019;28(15):2615-2633.](https://pubmed.ncbi.nlm.nih.gov/31127295/)
26. [Guo X, Sung YJ, Winkler TW, Manning AK, Aschard H, Gudnason V, Harris TB, Smith AV, Boerwinkle E, Brown MR, Morrison AC, Fornage M, Lin LA, Richard M, Bartz TM, Psaty BM, Hayward C, Polasek O, Marten J, Rudan I, Feitosa MF, Kraja AT, Province MA, Deng X, Fisher VA, Zhou Y, Bielak LF, Smith J, Huffman JE, Padmanabhan S, Smith BH, Ding J, Liu Y, Lohman K, Bouchard C, Rankinen T, Rice TK, Arnett D, Schwander K, Palmas W, Rotter JI, Alfred T, Bottinger EP, Loos RJ, Amin N, Franco OH, van Duijn CM, Vojinovic D, Chasman DI, Ridker PM, Rose LM, Kardia S, Zhu X, Rice K, Borecki IB, Rao DC, Guaderman WJ, Cupples LA. An Empirical Comparison of Joint and Stratified Frameworks for Studying G x E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. *Genet Epidemiol*. 2016;40(5):404-415.](https://www.ncbi.nlm.nih.gov/pubmed/?term=An+Empirical+Comparison+of+Joint+and+Stratified+Frameworks+for+Studying)
27. [Guo X, Turcot V, Lu Y, Highland HM, Schurmann C, Justice AE, Fine RS, Bradfield JP, Esko T, Giri A, Graff M, Hendricks AE, Karaderi T, Lempradi A, Locke AE, Mahajan A, Marouli E, Sivapalaratnam S, Young KL, Alfred T, Feitosa MF, Masca NGD, Manning AK, Medina-Gomez C, Mudgal P, NG MCY, Reiner AP, Vedantam S, Willems SM, Winkler TW, Abecasis G, Aben KK, Alam DS, Alharthi SE, Allison M, Amouyel P, Asselbergs FW, Auer PL, Balkau B, Bang LE, Barroso I, Bastarache L, Benn M, Bergmann S, Bielak LF, Bluher M, Boehnke M, Boeing H, Boerwinkle E, Boger CA, Bork-Jensen J, Bots ML, Bottinger EP, Bowden DW, Brandslund I, Breen G, Brilliant MH, Broer L, Brumat M, Burt AA, Butterworth AS, Campbell PT, Cappellani S, Carey DJ, Catamo E, Caulfield MJ, Chambers JC, Chasman DI, Chen YI, Chowdhury R, Christensen C, Chu AY, Cocca M, Collins FS, Cook JP, Corley J, Corominas Galbany J, Cox AJ, Crosslin DS, Cuellar-Partida G, D’Eustacchio A, Danesh J, Davies G, Bakker PIW, Groot MCH, Mutsert R, Deary IJ, Dedoussis G, Demerath EW, Heijer M, Hollander AI, Ruijter HM, Dennis JG, Denny JC, Angelantonio E, Drenos F, Du M, Dube MP, Dunning AM, Easton EF, Edwards TL, Ellinghause D, Ellinor PT, Elliot P, Evangelou E, Farmaki AE, Faroogi IS, Faul JD, Fauser S, Feng S, Ferrannini E, Ferrieres J, Florez JC, Ford I, Fornage M, Franco OH, Franke A, Franks PW, Friedrich N, Frikke-Schmidt R, Galesloot TE, Gan W, Gandin I, Gasparini P, Gibson J, Giedraitis V, Gjesing AP, Gordon-Larsen P, Gorski M, Grabe HJ, Grant SFA, Grarup N, Griffiths HL, Grove ML, Gudnason V, Gustafsson S, Haessler J, Hakonarson H, Hammerschlag AR, Hansen T, Harris KM, Harris TB, Hattersley AT, Have CT, Hayward C, He L, Heard-Costa NL, Heath AC, Heid IM, Helgeland O, Hernesniemi J, Hewitt AW, Holmen OL, Hovingh GK, Howson JMM, Hu Y, Huang PL, Huffman JE, Ikram MA, Ingelsson E, Jackson AU, Jansson JH, Jarvik GP, Jensen GB, Jia Y, Johansson S, Jorgensen ME, Jorgensen T, Jukema JW, Kahali B, Kahn RS, Kahonen M, Kamstrup PR, Kanoni S, Kaprio J, Karaleftheri M, Kardi SLR, Karpe F, Kathiresan S, Kee F, Kiemeney LA, Kim E, Kitajima H, Komulainen P, Kooner JS, Kooperberg C, Korhonen T, Kovacs P, Kuivaniemi H, Kutalik Z, Kuulasmaa K, Kuusisto J, Laakso M, Lakka TA, Lamparter D, Lange Em, Lange LA, Langenberg C, Larson EB, Lee NR, Lehtimaki T, Lewis CE, Li H, Li J, Li-Gao R, Lin H, Lin KH, Lin LA, Lin X, Lind L, Lindstrom J, Linneberg A, Liu CT, Liu DJ, Liu Y, Lo KS, Lophatananon A, Lotery AJ, Loukola A, Luan J, Lubitz SA, Lyytikainen LP, Mannisto S, Marenne G, Mazul AL, McCarthy MI, McKean-Cowdin R, Medland SE, Meidtner K, Milani L, Mistry V, Mitchell P, Mohlke KL, Moilanen L, Moitry M, Montgomery GW, Mook-Kanamori DO, Moore C, Mori TA, Morris AD, Morris AP, Muller-Nurasyid M, Munroe PB, Nalls MA, Narisu N, Nelson CP, Neville M, Nielsen SF, Nikus K, Njolstad PR, Nordestgaar BG, Nyholt DR, O’Connel JR, O’Donoghue ML, Olde Loohuis LM, Ophoff RA, Owen KR, Packard CJ, Padmanabhan S, Palmer CAN, Palmer ND, Pasterkamp G, Patel AP, Pattie A, Pedersen O, Peissig PL, Peloso GM, Pennell CE, Perola M, Perry JA, Perry JRB, Pers TH, Person TN, Peters A, Petersen ERB, Peyser PA, Pirie A, Polasek O, Polderman TJ, Puolijoki H, Raitakari OT, Rasheed A, Rauramaa R, Reilly DF, Renstrom F, Rheinberger M, Ridker PM, Rioux JD, Rivas MA, Roberts DJ, Robertson NR, Robino A, Rolandsson O, Rudan I, Ruth KS, Saleheen D, Salomaa V, Samani NJ, Sapkota Y, Sattar N, Schoen RE, Schreiner PJ, Schulze MB, Scott RA, Segura-Lepe MP, Shah SH, Sheu WH, Sim X, Slater AJ, Small KS, Smith AV, Southam L, Spector TD, Speliotes EK, Starr JM, Stefansson K, Steinthorsdottir V, Stirrups KE, Strauch K, Stringham HM, Stumvoll M, Sun L, Surendran P, Swift AJ, Tada H, Tansey KE, Tardif JC, Taylor KD, Teumer A, Thrompson DJ, Thorleifsson G, Thorsteindottir U, Thuesen BH, Tonjes A, Tromp G, Trompet S, Tsafantakis E, Tuomilehto J, Tybjaerg-Hansen A, Tyrer JP, Uher R, Uitterlinden AG, Uusitupa M, Laan SW, Duijn CM, Leeuwen N, van Setten J, Vanhala M, Varbo A, Varga TV, Varma R, Velez Edwards DR, Vermeulen SH, Veronesi G, Vestergaard H, Vitart V, Vogt TF, Volker U, Vuckovic D, Wagenknecht LE, Walker M, Wallentin L, Want F, Wang CA, Wang S, Wang Y, Ware EB, Wareham NJ, Warren HR, Waterworth DM, Wessel J, White HD, Willer CJ, Wilson JG, Witte DR, Wood AR, Wu Y, Yaghootkar H, Yao J, Yao P, Yerges-Armstrong LM, Young R, Zeggini E, Zhan X, Zhang W, Zhao JH, Zhao W, Zhou W, Zondervan KT; CHD Exome+ Consortium; EPIC-CVD Consortium; ExomeBP Consortium; Global Lipids Genetic Consortium; GoT2D Genes Consortium; EPIC InterAct Consortium; INTERVAL Study; ReproGen Consortium; T2D-Genes Consortium; MAGIC Investigators; Understanding Society Scientific Group, Rotter JI, Pospisilik JA, Rivadeneira F, Borecki IB, Deloukas P, Frayling TM, Lettre G, North KE, Lindgren CM, Hirschhorn JN, Loos RJF. Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nat Genet*. 2018;50(1):26-41.](https://www.ncbi.nlm.nih.gov/pubmed/29273807)
28. [Guo X, Wang Z, Chen H, Bartz TM, Bielak LF, Chasman DI, Feitosa MF, Franceschini N, Lim E, Noordam R, Richard MA, Wang H, Cade B, Cupples LA, de Vries PS, Giulanini F, Lee J. Lemaitre RN, Martin LW, Reiner AP, Rich SS, Schreiner PJ, Sidney S, Sitlani CM, Smith JA, van Kijk KW, Yao J, Zhao W, Fornage M, Kardia SLR, Kooperberg C, Liu CT, Mook-Kanamori DO, Province MA, Psaty BM, Redline S, Ridker PM, Rotter JI, Boerwinkle E, Morrison AC, CHARGE Gene-Lifestyle Interactions Working Group. Role of Rare and Low-Frequency Variants in Gene-Alcohol Interactions on Plasma Lipid Levels. *Circ Genom Precis Med*. 2020;13(4):e002772. doi: 10/1161/CIRCGEN.119.002772.](https://pubmed.ncbi.nlm.nih.gov/32510982/)
29. [Guo X, Wang S, Zhao JH, An P, Jensen RA, Marten J, Huffman JE, Meidtner K, Boeing H, Campbell A, Rice KM, Scott RA, Yao J, Schulze MB, Wareham NJ, Borecki IB, Province MA, Rotter IJ, Hayward C, Goodarzi MO, Meigs JB, Dupuis J. General Framework for Meta-Analysis of Haplotype Association Tests. *Genet Epidemiol*. 2016;40(3):244-252.](https://www.ncbi.nlm.nih.gov/pubmed/27027517)
30. [Guo X, Ward-Caviness CK, de Vries PS, Wiggins KL, Huffman JE, Yanek LR, Bielak LF, Giulianini F, Kleber ME, Kacprowski T, Groß S, Petersman A, Davey Smith G, Hartwig FP, Bowden J, Hemani G, Muller-Nuraysid M, Strauch K, Koenig W, Waldenberger M, Meitinger T, Pankratz N, Boerwinkle E, Tang W, Fu YP, Johnson AD, Song C, deMaat MPM, Uitterlinden AG, Franco OH, Brody JA, McKnight B, Chen YI, Psaty BM, Mathias RA, Becker DM, Peyser PA, Smith JA, Bielinski SJ, Ridker PM, Taylor KD, Yao J, Tracy R, Delgado G, Trompet S, Sattar N, Jukema JW, Becker LC, Kardia SLF, Rotter JI, Marz W, Dorr M, Chasman DI, Dehghan A, O’Donnell CJ, Smith NL, Peters A, Morrison AC. Mendelian randomization evaluation of causal effects of fibrinogen on incident coronary heart disease. *PLoS One*. 2019;14(5):e0216222. doi: 10.1371/journal.pone.0216222. eCollection 2019.](https://www.ncbi.nlm.nih.gov/pubmed/31075152)
31. [Guo X, Wen W, Zheng W, Okada Y, Takeuchi F, Tabara Y, Hwang JY, Dorajoo R, Li H, Tsai FJ, Yang X, He J, Wu Y, He M, Zhang Y, Liang J, Sheu WH, Delahanty R, Guo X, Kubo M, Yamamoto K, Ohkubo T, Go MJ, Liu JJ, Gan W, Chen CC, Gao Y, Li S, Lee NR, Wu C, Zhou X, Song H, Yao J, Lee IT, Long J, Tsunoda T, Akiyama K, Takashima N, Cho YS, Ong RT, Lu L, Chen CH, Tan A, Rice TK, Adair LS, Gui L, Allison M, Lee WJ, Cai Q, Isomura M, Umemura S, Kim YJ, Seielstad M, Hixson J, Xiang YB, Isono M, Kim BJ, Sim X, Lu W, Nabika T, Lee J, Lim WY, Gao YT, Takayanagi R, Kang DH, Wong TY, Hsiung CA, Wu IC, Juang JM, Shi J, Choi BY, Aung T, Hu F, Kim MK, Lim WY, Wang TD, Shin MH, Lee J, Ji BT, Young TL, Shin DH, Chun BY, Cho MC, Han BG, Hwu CM, Assimes TL, Absher D, Yan X, Kim E, Kuo JZ, Kwon S, Taylor KD, Chen YD, Rotter JI, Qi L, Zhu D, Wu T, Mohlke KL, Gu D, Mo Z, Wu JY, Lin X, Miki T, Tai ES, Lee JY, Kato N, Shu XO, Tanaka T. Meta-analysis of genome-wide association studies in East Asian-ancestry population identifies four new loci for body mass index. *Hum Mol Genet*. 2014;23(20):5492-5504.](https://www.ncbi.nlm.nih.gov/pubmed/24861553)
32. [Guo X, Wheeler E, Leong A, Liu CT, Hivert MF, Strawbridge RJ, Podmore C, Li M, Yao J, Sim X, Hong J, Chu AY, Zhang W, Wang X, Chen P, Maruthur NM, Porneala BC, Sharp SJ, Jia Y, Kabagambe EK, Chang LC, Chen WM, Elks CE, Evans DS, Fan Q, Giulianini F, Go MJ, Hottenga JJ, Hu Y, Jackson AU, Kanoni S, Kim YJ, Kleber ME, Ladenvall C, Lecoeur C, Lim SH, Lu Y, Mahajan A, Marzi C, Nalls MA, Navarro P, Notle IM, Rose LM, Rybin DV, Sanna S, Shi Y, Stram DO, Takeuchi F, Tan SP, van der Most PJ, Van Vliet-Ostaptchouk JV, Wong A, Yengo L, Zhao W, Goel A, Martinez Larrad MT, Radke D, SaloP, Tanaka T, van Iperen EPA, Abecasis G, Afaq S, Alizadeh BZ, Bertoni AG, Bonnefond A, Bottcher Y, Bottinger EP, Campbell H, Carlson OD, Chen CH, Cho YS, Garvey WT, Gieger C, Goodarzi MO, Grallert H, Hamsten A, Hartman CA, Herder C, Hsiung CA, Huang J, Igase M, Isono M, Katsuva T, Khor CC, Kiess W, Kohara K, Kovacs P, Lee J, Lee WJ, Lehne B, Li H, Liu J, Lobbens S, Luan J, Lyssenko V, Meitinger T, Miki T, Miljkovic I, Moon S, Mulas A, Muller G, Muller-Nurasyid M, Nagarja R, Nauck M, Pankow JS, Polasek O, Prokopenko I, Ramos PS, Rasmussen-Torvik L, Rathmann W, Rich SS, Robertson NR, Roden M, Roussel R, Rudan I, Scott RA, Scott WR, Sennblad B, Siscovick DS, Strauch K, Sun L, Swertz M, Tajuddin SM, Taylor KD, Teo YY, Tham YC, Tonjes A, Wareham NJ, Willemsen G, Wilsgaard T, Hingorani AD; EPIC-CVD Consortium; EPIC-InterAct Consortium; Lifelines Cohort Study, Egan J, Ferrucci L, Hovingh GK, Jula A, Kivimaki M, Kumari M, Njolstad I, Palmer CNA, Serrano Rios M, Stumvoll M, Watkins H, Aung T, Bluher M, Boehnke M, Boomsma DI, Bornstien SR, Chambers JC, Chasman DI, Chen YI, Chen YT, Cheng CY, Cucca F, de Geus EJC, Deloukas P, Evans MK, Fornage M, Friedlander Y, Froguel P, Groop L, Gross MD, Harris TB, Hayward C, Heng CK, Ingelsson E, Kato N, Kim BJ, Koh WP, Kooner JS, Korner A, Kuh D, Kuusisto J, Laakso M, Lin X, Liu Y, Loos RJF, Magnusson PKE, Marz W, McCarthy MI, Oldehinkel AJ, Ong KK, Pedersen NL, Pereira MA, Peters A, Ridker PM, Sabanayagam C, Sale M, Saleheen D, Saltevo J, Schwarz PE, Sheu WHH, Snieder H, Spector TD, Tabara Y, Tuomilehto J, van Dam RM, Wilson JG, Wilson JF, Wolffenbuttel BHR, Wong TY, Wu JY, Yuan JM, Zonderman AB, Soranzo N, Roberts DJ, Florez JC, Sladek R, Dupuis J, Morris AP, Tai ES, Selvin E, Rotter JI, Langenberg C, Barroso I, Meigs JB. Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. *PLoS Med*. 2017;14(9):e1002383. doi: 10.1371/journal.pmed. 1002383. eCollection 2017 Sep.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Impact+of+common+genetic+determinants+of+Hemoglobin+A1c)
33. [Guo X, Zeller T, Schurmann C, Schramm K, Muller C, Kwon S, Wild PS, Teumer A, Herrington D, Schillert A, Iacoviello L, Kratzer A, Jagodzinski A, Karakas M, Ding J, Neumann JT, Kuulasmaa K, Gieger C, Kacprowski T, Schnable RB, Roden M, Wahl S, Rotter JI, Ojeda F, Carstensen-Kirberg M, Tregouet DA, Dorr M, Meitinger T, Lackner KJ, Wolf P, Felix SB, Landmesser U, Costanzo S, Ziegler A, Liu Y, Volker U, Palmas W, Prokisch H, Herder C, Blankenberg S, Homuth G. Transciptome-Wide Analysis Identifies Novel Associations With Blood Pressure. *Hypertension*. 2017;70(4):743-750.](https://www.ncbi.nlm.nih.gov/pubmed/28784648)
34. [Gupta DK, Daniels LB, Cheng S, deFilippi CR, Criqui MH, Maisel AS, Lima JA, Bahrami H, Greenland P, Cushman M, Tracy R, Siscovick D, Bertoni AG, Cannone V, Burnett JC, Carr JJ, Want TJ. Differences in Natriuretic Peptide Levels by Race/Ethnicity (From the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2017;120(6):1008-1015.](https://www.ncbi.nlm.nih.gov/pubmed/28750825)
35. Gupta S, Miller E, Stein Merkin S, McMahon M, Watson K, FitzGerald JD. The Risk of Cardiovascular Disease Among Male and Female Participants Treated for Gout in the Multi-Ethnic Study of Atherosclerosis (MESA). *GUCDD*. (In press)
36. [Gurusamy P, Larsen BA, Allen RT, Ward SR, Allison MA, Hughes-Austin JM. Density and Fat Fraction of the Psoas, Paraspinal, and Oblique Muscle Groups Are Associated With Lumber Vertebral Bone Mineral Density in a Multi-Ethnic Community-Living Population: The Multi-Ethnic Study of Atherosclerosis. *J Bone Miner Res*. 2022;37(8):1537-1544.](https://pubmed.ncbi.nlm.nih.gov/35690917/)
37. [Gutierrez OM, Katz R, Peralta CA, de Boer IH, Siscovick D, Wolf M, Diez Roux A, Kestenbaum B, Nettleton JA, Ix JH. Associations of Socioeconomic Status and Processed Food Intake With Serum Phosphorus Concentration in Community-Living Adults: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Renal Nutr*. 2012;22(5):480-489.](http://www.ncbi.nlm.nih.gov/pubmed/22217539)
38. [Gutierrez OM, Sang Y, Grams ME, Ballew SH, Surapaneni A, Matsushita K, Go AS, Shlipak MG, Inker LA, Eneanya ND, Crews DC, Powe NR, Levey AS, Coresh J, Chronic Kidney Disease Prognosis Consortium. Association of Estimated GFR Calculated Using Race-Free Equations With Kidney Failure and Mortality by Black vs Non-Black Race. *JAMA*. 2022;327(23):2306-2316.](https://pubmed.ncbi.nlm.nih.gov/35667006/)

1. [Gutierrez-Arcelus M, Baglaenko Y, Arora J, Hannes S, Luo Y, Amariuta T, Teslovich N, Rao DA, Ermann J, Jonsson AH; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, Navarrete C, Rich SS, Taylor KD, Rotter JI, Gregersen PK, Esko T, Brenner MB, Raychaudhui S. Allele-specific expression changes dynamically during T cell activation in HLA and other autoimmune loci. *Nat Genet*. 2020;52(3):247-253.](https://www.ncbi.nlm.nih.gov/pubmed/32066938)

1. [Ha ET, Ivanov A, Yeboah J, Seals A, Peterson SJ, Parikh M, Aronow WS, Frishman WH. Relation of Left Ventricular Hypertrophy Subtype to Long-Term Mortality in Those With Subclinical Cardiovascular Disease (from the Multiethnic Study of Atherosclerosis [MESA]).](https://pubmed.ncbi.nlm.nih.gov/35550820/) *[Am J Cardiol](https://pubmed.ncbi.nlm.nih.gov/35550820/)*[. 2022;175:131-138.](https://pubmed.ncbi.nlm.nih.gov/35550820/)
2. [Habibi M, Chahal H, Greenland P, Guallar E, Lima JAC, Soliman EZ, Alonso A, Heckbert SR, Nazarian S. Resting Heart Rate, Short-Term Heart Rate Variability and Incident Atrial Fibrillation (from the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Cardiol*. 2019;124(11):1684-1689.](https://www.ncbi.nlm.nih.gov/pubmed/31575421)
3. [Habibi M, Chahal H, Opdahl A, Gjesdal O, Helle-Valle TM, Heckbert SR, McClelland R, Wu C, Shea S, Hundley G, Bluemke DA, Lima JA. Association of CMR-Measured LA Function With Heart Failure Development: Results From the MESA Study. *JACC Cardiovasc Imaging*. 2014;7(6):570-579.](http://www.ncbi.nlm.nih.gov/pubmed/24813967)
4. [Habibi M, Samiei S, Ambale-Venkatesh B, Opdahl A, Helle-Valle TM, Zareian M, Almeida AL, Choi EY, Wu C, Alonso A, Heckbert SR, Bluemke DA, Lima JA. Cardiac Magnetic Resonance-Measured Left Atrial Volume and Function and Incident Atrial Fibrillation: Results From MESA (Multi-Ethnic Study of Atherosclerosis). *Circ Cardiovasc Imaging*. 2016;9(8). pii: e004299. doi: 10.1161/CIRCIMAGING.115.004299.](http://www.ncbi.nlm.nih.gov/pubmed/27511974)
5. [Habibi M, Zareian M, Ambale Venkatesh B, Samiei S, Imai M, Wu C, Launer LJ, Shea S, Gottesman RF, Heckbert SR, Bluemke DA, Lima JAC. Left Atrial Mechanical Function and Incident Ischemic Cerebrovascular Events Independent of AF: Insights From the MESA Study. *JACC Cardiovasc Imaging*. 2019;12(12):2417-2427.](https://www.ncbi.nlm.nih.gov/pubmed/31005519)
6. [Hageman SHJ, Petitjaen C, Pennells L, Kaptoge S, Pajouheshnia R, Tillmann T, Blaha MJ, McClelland RL, Matsushita K, Nambi V, Klungel OH, Souverein PC, van der Schouw YT, Verschuren WMM, Lehmann N, Erbel R, Jockel KH, Di Angelantonio E, Visseren FLJ, Dorresteijn JAN. Improving 10-year cardiovascular risk prediction in apparently healthy people: flexible addition of risk modifiers on top of SCORE2. *Eur J Prev Cardiol*. 2023;30(15):1705-1714.](https://pubmed.ncbi.nlm.nih.gov/37264679/)
7. [Hailu EM, Lewis TT, Needham BL, Lin J, Seeman TE, Mujahid MS. Longitudinal Associations between Discrimination, Neighborhood Social Cohesion, and Telomere Length: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Gerontol A Biol Sci Med Sci*. 2021;glab193. doi: 10.1093/gerona/glab193.](https://pubmed.ncbi.nlm.nih.gov/34282826/)
8. [Hailu EM, Needham BL, Lewis TT, Lin J, Seeman TE, Roux AD, Mujahid MS. Discrimination, social support, and telomere length: the Multi-Ethnic Study of Atherosclerosis (MESA). *Ann Epidemiol*. 2020;42:58-63.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Hailu+EM)
9. [Hajat A, Allison M, Diez-Roux AV, Jenny NS, Jorgensen NW, Szpiro AA, Vedal S, Kaufman JD. Long-term Exposure to Air Pollution and Markers of Inflammation, Coagulation, and Endothelial Activation: A Repeat-measures Analysis in the Multi-Ethnic Study of Atherosclerosis (MESA). *Epidemiology*. 2015;26(3):310-320.](http://www.ncbi.nlm.nih.gov/pubmed/25710246)
10. [Hajat A, Diez-Roux AV, Adar SD, Auchincloss AH, Lovasi GS, O’Neill MS, Sheppard L, Kaufman JD. Air Pollution and Individual and Neighborhood Socioeconomic Status: Evidence from the Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2013;121(11-12):1325-1333.](http://www.ncbi.nlm.nih.gov/pubmed/24076625)
11. [Hajat A, Diez Roux AV, Castro-Diehl C, Cosselman K, Golden SH, Hazlehurst MF, Szpiro A, Vedal S, Kaufman JD. The Association between Long-Term Air Pollution and Urinary Catecholamines: Evidence from the Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect*. 2019;127(5):57007. doi: 10.1289/EHP3286.](https://www.ncbi.nlm.nih.gov/pubmed/31095432)
12. [Hajat A, Diez-Roux A, Franklin TG, Seeman T, Shrager S, Ranjit N, Castro C, Watson K, Sanchez B, Kirschbaum C. Socioeconomic and race/ethnic differences in daily salivary cortisol profiles: the multi-ethnic study of atherosclerosis. *Psychoneuroendocrinology*. 2010;35(6):932-943.](http://www.ncbi.nlm.nih.gov/pubmed/20116177)
13. [Hajat A, Diez-Roux AV, Sanchez BN, Holvoet P, Lima JA, Merkin SS, Polak JF, Seeman T, Wu M. Examining the association between salivary cortisol levels and subclinical measures of atherosclerosis: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2013;38(7):1036-1046.](http://www.ncbi.nlm.nih.gov/pubmed/23146655)
14. [Hajat A, Hazlehurst MF, Golden SH, Merkin SS, Seeman T, Szpiro AA, Kaufman JD, Roux AD. The cross-sectional and longitudinal association between air pollution and salivary cortisol: Evidence from the Multi-Ethnic Study of Atherosclerosis. *Environ Int*. 2019;131:105062. doi: 10.1016/j.envint.2019.105062.](https://www.ncbi.nlm.nih.gov/pubmed/31491811)
15. [Hajat A, Moore K, Phuong Do D, Stein Merkin S, Punjabi NM, Sanchez BN, Seeman T, Diez-Roux AV. Examining the cross-sectional and longitudinal association between diurnal cortisol and neighborhood characteristics: Evidence from the multi-ethnic study of atherosclerosis. *Health Place*. 2015;34:199-206.](http://www.ncbi.nlm.nih.gov/pubmed/26073509)
16. [Hajek C, Guo X, Yao J, Hai Y, Johnson WC, Frazier-Wood AC, Post WS, Psaty BM, Taylor KD, Rotter JI. Coronary Heart Disease Genetic Risk Score Predicts Cardiovascular Disease Risk in Men, Not Women. *Circ Genom Precis Med*. 2018;11(10):e002324. doi: 10.1161/CIRCGEN.118.002324.](https://www.ncbi.nlm.nih.gov/pubmed/30354305)
17. [Hall KT, Battinelli E, Chasman DI, Ridker PM, Psaty BM, Rotter JI, Kaptchuk TJ, Tracy RP, Wassel CL, Mukamal KJ. Catechol-O-Methyltransferase and Cardiovascular Disease: MESA. *J Am Heart Assoc*. 2019;8(24):e014986. doi: 10.1161/JAHA.119.014986.](https://www.ncbi.nlm.nih.gov/pubmed/31838976)
18. [Hallan SI, Matsushita K, Sang Y, Mahmoodi BK, Black C, Ishani A, Kleefstra N, Naimark D, Roderick P, Tonelli M, Wetzels JF, Astor BC, Gansevoort RT, Levin A, Wen CP, Coresh J; Chronic Kidney Diesease Prognosis Consortium. Age and association of kidney measures with mortality and end-stage renal disease. *JAMA*. 2012;308(22):2349-2360.](http://www.ncbi.nlm.nih.gov/pubmed/23111824)
19. [Hame Y, Angelini ED, Hoffman EA, Barr RG, Laine AF. Adaptive Quantification and Longitudinal Analysis of Pulmonary Emphysema With a Hidden Markov Measure Field Model. *IEEE Trans Med Imaging*. 2014;33(7):1527-1540.](http://www.ncbi.nlm.nih.gov/pubmed/24759984)
20. [Hamirani YS, Katz R, Nasir K, Zeb I, Blaha MJ, Blumenthal RS, Kronmal RN, Budoff MJ. Association between inflammatory markers and liver fat: The Multi-Ethnic Study of Atherosclerosis. *J Clin Exp Cardiolog*. 2014,5. pii: 1000344.](http://www.ncbi.nlm.nih.gov/pubmed/25598995)
21. [Hamirani YS, Nasir K, Blumenthal RS, Takasu J, Shavelle D, Kronmal R, Budoff M. Relation of Mitral Annular Calcium and Coronary Calcium (from the Multi-Ethnic Study of Atherosclerosis [MESA]).  *Am J Cardiol*. 2011;107(9):1291-1294.](http://www.ncbi.nlm.nih.gov/pubmed/21349485)
22. [Hammond MM, Pool LR, Krefman AE, Ning H, Lima JAC, Shah SJ, Yeboah J, Lloyd-Jones DM, Allen NB, Khan SS. Cardiac Structure and Function Phenogroups and Risk of Incident Heart Failure (from the Multi-ethnic Study of Atherosclerosis). *Am J Cardiol*. 2023;187:54-61.](https://pubmed.ncbi.nlm.nih.gov/36459748/)
23. [Hammoud A, Chen H, Ivanov A, Yeboah J, Nasir K, Cainzos-Achirica M, Bertoni A, Khan SU, Blana M, Herrington D, Shapiro MD. Implications of Social Disadvantage Score in Cardiovascular Outcomes and Risk Assessment: Findings From the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Qual Outcomes*. 2023 Jul 5. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37403692/)
24. [Han C, Kronmal R. Box-Cox transformation of left-censored data with application to the analysis of coronary artery calcification and pharmacokinetic data. *Statistics in Medicine*. 2004;23(23):3671-3679.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15534890&query_hl=10&itool=pubmed_docsum)
25. Han C, Kronmal R. Two-part models for analysis of Agatston scores with possible proportionality constraints. *Communications in Statistics-Theory and Methods*. 2006;35(1):99-111.
26. [Handy CE, Desai CS, Dardari ZA, Al-Mallah MH, Miedema MD, Ouyang P, Budoff MJ, Blumenthal RS, Nasir K, Blaha MJ. The Association of Coronary Artery Calcium With Noncardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *JACC Cardiovasc Imaging*. 2016;9(5):568-576.](http://www.ncbi.nlm.nih.gov/pubmed/26970999)
27. [Hankinson JL, Kawut SM, Shahar E, Smith LJ, Stukovsky KH, Barr RG. Performance of American Thoracic Society-recommended spirometry reference values in a multiethnic sample of adults: the multi-ethnic study of atherosclerosis (MESA) lung study. *Chest*. 2010;137(1):138-145.](http://www.ncbi.nlm.nih.gov/pubmed/19741060?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
28. [Haq KT, Lutz KJ, Peters KK, Craig NE, Mitchell E, Desai AK, Stencel NWL, Soliman EZ, Lima JAC, Tereshchenko LG. Reproducibility of global electrical heterogeneity measurements on 12-lead ECG: The Multi-Ethnic Study of Atherosclerosis. *J Electrocardiol*. 2021:69:96-104.](https://pubmed.ncbi.nlm.nih.gov/34626835/)
29. [Harding BN, Austin TR, Floyd JS, Smith BM, Szklo M, Heckbert SR. Self-reported marijuana use and cardiac arrhythmias: (from the Multiethnic Study of Atherosclerosis). *Am J Cardiol*. 2022;177:48-52.](https://pubmed.ncbi.nlm.nih.gov/35725675/)
30. [Harding BN, Norby FL, Heckbert SR, McKnight B, Psaty BM, Soliman EZ, Floyd JS, Chen LY. Longitudinal Measures of Blood Pressure and Subclinical Atrial Arrhythmias: The MESA and the ARIC Study. *J Am Heart Assoc*. 2021;10(11):e020260. doi: 10.1161/JAHA.120.020260.](https://pubmed.ncbi.nlm.nih.gov/34014105/)
31. [Harding BN, Wiggins KL, Jensen PN, McKnight B, Psaty BM, Heckbert SR, Floyd JS. Opioid, gabapentinoid, and nonsteroidal anti-inflammatory medication use and the risks of atrial fibrillation and supraventricular ectopy in the Multi-Ethnic Study of Atherosclerosis. *Pharmacoepidemiol Drug Saf*. 2020;29(9):1175-1182.](https://pubmed.ncbi.nlm.nih.gov/32558036/)
32. [Harhay MN, Kim Y, Moore K, Harhay MO, Katz R, Shlipak MG, Mattix-Kramer HJ. Modifiable kidney disease risk factors among nondiabetic adults with obesity from the Multi-Ethnic Study of Atherosclerosis. *Obesity (Silver Spring)*. 2023;(12):3056-3065.](https://pubmed.ncbi.nlm.nih.gov/37766596/)

1. [Harhay MO, Kizer JR, Criqui MH, Lima JA, Tracy R, Bluemke DA, Kawut SM. Adipokines and the Right Ventricle: The MESA-RV Study. *PLoS One*. 2014;10(9):e0136818. doi: 10.1371/journal.pone.0136818. eCollection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/26348768)
2. [Harhay MO, Tracy RP, Bagiella E, Barr RG, Pinder D, Hundley WG, Bluemke DA, Kronmal RA, Lima JA, Kawut SM. Relationship of CRP, IL-6 and fibrinogen with right ventricular structure and function: The MESA-Right Ventricle Study. *Int J Cardiol*. 2013;168(4):3818-3824.](http://www.ncbi.nlm.nih.gov/pubmed/23932860)
3. [Haritunians T, Grove ML, Yu B, Cochran BJ, Bis JC, Taylor KD, Hansen M, Borecki IB, Cupples LA, Fornage M, Gudnason V, Harris TB, Kathiresan S, Kraaij R, Launer LJ, Levy D, Liu Y, Mosley T, Pelosco GM, Psaty BM, Rich SS, Rivadeneira F, Siscovick DS, Smith AV, Uitterlinden A, van Duijn CM, Wilson JG, O’Donnell CJ, Rotter JI, Boerwinkle E. Best Practices and Joint Calling of the HumanExome BeadChip: The CHARGE Consortium. *PLoS One*. 2013;8(7):e68095. doi: 10.1371/journal.pone.0068095. Print 2013.](http://www.ncbi.nlm.nih.gov/pubmed/23874508)
4. [Haritunians T, Liu CT, Monda KL, Taylor KC, Lange L, Demerath EW, Palmas W, Wojczynski MK, Ellis JC, Vitolins MZ, Liu S, Papanicolaou GJ, Irvin MR, Xue L, Griffin PJ, Nalls MA, Adeyemo A, Liu J, Li G, Ruiz-Narvaez EA, Chen WM, Chen F, Henderson BE, Millikan RC, Ambrosone CB, Strom SS, Guo X, Andrews JS, Sun YV, Mosley TH, Yanek LR, Shriner D, Rotter JI, Speliotes EK, Smith M, Rosenberg L, Mychaleckyj J, Nayak U, Spruill I, Garvey WT, Pettaway C, Nyante S, Bandera EV, Britton AF, Zonderman AB, Rasmussen-Torvik LJ, Chen YD, Ding J, Lohman K, Kritchevsky SB, Zhao W, Peyser PA, Kardia SL, Kabagambe E, Broeckel U, Chen G, Zhou J, Wassertheil-Smoller S, Neuhouser ML, Rampersaud E, Psaty B, Kooperberg C, Manson JE, Kuller LH, Ochs-Balcom HM, Johnson KC, Sucheston L, Ordovas JM, Palmer JR, Haiman CA, McKnight B, Howard BV, Becker DM, Bielak LF, Liu Y, Allison MA, Grant SF, Burke GL, Patel SR, Schreiner PJ, Borecki IB, Evans MK, Taylor H, Sale MM, Howard V, Carlson CS, Rotimi CH, Cushman M, Harris TB, Reiner AP, Cupples LA, North KE, Fox CS. Genome-wide association of body fat distribution in African ancestry populations suggests new loci. *PLoS Genet*. 2013;9(8):e1003681. doi: 10.1371/journal.pgen.1003681.](https://www.ncbi.nlm.nih.gov/pubmed/23966867)
5. [Harkness JR, Silverman MG, Blankstein R, Budoff MJ, Agatston AS, Carr JJ, Lima JA, Blumenthal RS, Nasir K, Blaha MJ. Baseline subclinical atherosclerosis burden and distribution are associated with frequency and mode of future coronary revascularization: multi-ethnic study of atherosclerosis. *JACC Cardiovasc Imaging*. 2014;7(5):476-486.](http://www.ncbi.nlm.nih.gov/pubmed/24831208)
6. [Harris B, Klein R, Jerosch-Herold M, Hoffman EA, Ahmed FS, Jacobs DR Jr, Klein BE, Wong TY, Lima JA, Cotch MF, Barr RG. The association of systemic microvascular changes with lung function and lung density: a cross-sectional study. *PLoS One*. 2012;7(12):e50224. doi: 10.1371/journal.pone.0050224.](http://www.ncbi.nlm.nih.gov/pubmed/23284634)
7. [Hastert TA, de Oliveira Otto MC, Le-Scherban F, Steffen BT, Steffen LM, Tsai MY, Jacobs DR Jr, Baylin A. Association of plasma phospholipid polyunsaturated and trans fatty acids with body mass index: results from the Multi-Ethnic Study of Atherosclerosis. *Int J Obes (Lond)*. 2018;42(3):433-440.](https://www.ncbi.nlm.nih.gov/pubmed/29151597)
8. [Hatchell KE, Lu Q, Hebbring SJ, Michos ED, Wood AC, Engelman CD. Ancestry-specific polygenic scores and SNP heritability of 25(OH)D in African- and European-ancestry populations. *Hum Genet*. 2019;138(10):1155-1169.](https://www.ncbi.nlm.nih.gov/pubmed/31342140)
9. [Hatchell KE, Lu Q, Mares JA, Michos ED, Wood AC, Engelman CD. Multi-ethnic analysis shows genetic risk and environmental predictors interact to influence 25(OH)D concentration and optimal vitamin D intake. *Genet Epidemiol*. 2020;44(2):208-217.](https://www.ncbi.nlm.nih.gov/pubmed/31830327)
10. [Hathaway Q, Ibad HA, Bluemke DA, Pishgar F, Kasaiean A, Klein JG, Cogswell R, Allison M, Budoff MJ, Barr RG, Post W, Bredella MA, Lima JAC, Demehri S. Predictive Value of Deep Learning-derived CT Pectoralis Muscle and Adipose Measurements for Incident Heart Failure: Multi-Ethnic Study of Atherosclerosis. *Radiol Cardiothorac Imaging*. 2023;5(5):230145. doi: 10.1148/ryct.230146. eCollection 2023 Oct.](https://pubmed.ncbi.nlm.nih.gov/37908549/)
11. [Hathaway QA, Yanamala N, Budoff MJ, Sengupta PP, Zeb I. Deep neural survival networks for cardiovascular risk prediction: The Multi-Ethnic Study of Atherosclerosis (MESA). *Comput Biol Med*. 2021;139:104983. doi: 10.1016/j.compbiomed.2021.104983.](https://pubmed.ncbi.nlm.nih.gov/34749095/)
12. [Hazlehurst MF, Spalt EW, Curl CL, Davey ME, Vedal S, Burke GL, Kaufman JD. Integrating data from multiple time-location measurement methods for use in exposure assessment: the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *J Expo Sci* *Environ Epidemiol*. 2017;27(6):569-574.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Hazlehurst+MF)
13. [Hazlehurst MF, Spalt EW, Nicholas TP, Curl CL, Davey ME, Burke GL, Watson KE, Vedal S, Kaufman JD. Contribution of the in-vehicle microenvironment to individual ambient-source nitrogen dioxide exposure: the Multi-Ethnic Study of Atherosclerosis and Air Pollution. *J Expo Sci Environ Epidemiol*. 2018;28(4):371-380.](https://www.ncbi.nlm.nih.gov/pubmed/29511286)

1. [He K, Liu K, Daviglus ML, Jenny NS, Mayer-Davis E, Jiang R, Steffen L, Siscovick D, Tsai M, Herrington D. Associations of dietary long-chain n-3 polyunsaturated fatty acids and fish with biomarkers of inflammation and endothelial activation (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2009;103(9):1238-1243.](http://www.ncbi.nlm.nih.gov/pubmed/19406265?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
2. [He K, Liu K, Daviglus ML, Mayer-Davis E, Jenny NS, Jiang R, Ouyang P, Steffen LM, Siscovick D, Wu C, Barr RG, Tsai M, Burke GL. Intakes of long-chain n-3 polyunsaturated fatty acids and fish in relation to measurements of subclinical atherosclerosis. *Am J Clin Nutr*. 2008;88(4):1111-1118.](http://www.ncbi.nlm.nih.gov/pubmed/18842801?ordinalpos=16&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
3. [He KY, Li X, Kelly TN, Liang J, Cade BE, Assimes TL, Becker LC, Beitelshees AL, Bress AP, Chang YC, Chen YI, de Vries PS, Fox ER, Franceschini N, Furniss A, Gao Y, Guo X, Haessler J, Hwang SJ, Irvin MR, Kalyani RR, Liu CT, Liu C, Martin LW, Montasser ME, Muntner PM, Mwasongwe S, Palmas W, Reiner AP, Shimbo D, Smith JA, Snively BM, Yanek LR, Boerwinkle E, Correa A, Cupples LA, He J, Kardia SLR, Kooperberg C, Mathias RA, Mitchell BD, Psaty BM, Vasan RS, Rao DC, Rich SS, Rotter JI, Wilson JG; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Blood Pressure Working Group, Chakravarti A, Morrison AC, Levy D, Arnett DK, Redline S, Zhu X. Leveraging linkage evidence to identify low-frequency and rare variants on 16p13 associated with blood pressure using TOPMed genome sequencing data. *Hum Genet*. 2019;138(2):199-210.](https://www.ncbi.nlm.nih.gov/pubmed/30671673)
4. [He KY, Kelly TN, Wang H, Lian J, Zhu L, Cade BE, Assimes TL, Becker LC, Beitelshees AL, Bielak LF, Bress AP, Brody JA, Chang YPC, Chang YC, de Vries PS, Duggirala R, Fox ER, Franceschini N, Furniss AL, Gao Y, Guo X, Haessler J, Hung YJ, Hwang SJ, Irvin MR, Kalyani RR, Liu CT, Liu C, Warsinger Martin L, Montasser ME, Muntner PM, Mwasongwe S, Naseri T, Palmas W, Sefuiva Reupena M, Rice KM, Sheu WHH, Shimbo D, Smith JA, Snively BM, Yanek LR, Zhao W, Blangero J, Boerwinkle E, Chen YDI, Correa A, Cupples LA, Curran JE, Fornage M, He J, Hou L, Kaplan RC, Kardia SLR, Kenny EE, Kooperberg C, Lloyd-Jones D, Loos RJF, Mathias RA, McGarvey ST, Mitchell BD, North KE, Peyser PA, Psaty BM, Raffield LM, Rao DC, Redline S, Reiner AP, Rich SS, Rotter JI, Taylor KD, Tracy R, Vasan RS, Samoan Obesity Lifestyle and Genetic Adaptations Study (OLaGA) Group, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Morrison AC, Levy D, Chakravarti A, Arnett DK, Zhu X. Rare coding variants in RCN3 are associated with blood pressure. *BMC Genomics*. 2022;23(1):148. doi: 10.1186/s12864-022-08356-4.](https://pubmed.ncbi.nlm.nih.gov/35183128/)
5. [He Z, Lee S, Zhang M, Smith JA, Guo X, Palmas W, Kardia SLR, Ionita-Laza I, Mukherjee B. Rare-variant association tests in longitudinal studies, with an application to the Multi-Ethnic Study of Atherosclerosis (MESA). *Genet Epidemiol*. 2017;41(8):801-810.](https://www.ncbi.nlm.nih.gov/pubmed/29076270)
6. [He Z, Payne EK, Mukherjee B, Lee S, Smith JA, Ware EB, Sanchez BN, Seeman TE, Kardia SL, Diez Roux AV. Association between Stress Response Genes and Features of Diurnal Cortisol Curves in the Multi-Ethnic Study of Atherosclerosis: A New Multi-Phenotype Approach for Gene-Based Association Tests. *PLoS One*. 2015:10(5):e0126637. doi: 10.1371/journal.pone.0126637. e Collection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/25993632)
7. [He Z, Zhang M, Lee S, Smith JA, Guo X, Palmas W, Kardia SL, Diez Roux AV, Mukherjee B. Set-based tests for genetic association in longitudinal studies. *Biometrics*. 2015;71(3):606-615.](https://www.ncbi.nlm.nih.gov/pubmed/25854837)
8. [He Z, Zhang M, Lee S, Smith JA, Kardia SLR, Diez Roux AV, Mukherjee B. Set-Based Tests for the Gene-Environment Interaction in Longitudinal Studies. *J Am Stat Assoc*. 2017;112(519):966-978.](https://www.ncbi.nlm.nih.gov/pubmed/29780190)
9. [Heckbert SR, Austin TR, Jensen PN, Chen LY, Post WS, Floyd JS, Soliman EZ, Kronmal RA, Psaty BM. Differences by Race/Ethnicity in the Prevalence of Clinically Detected and Monitor-Detected Atrial Fibrillation: MESA. *Circ Arrhythm Electrophysiol*. 2020;13(1):e007698. doi: 10.1161/CIRCEP.119.007698.](https://pubmed.ncbi.nlm.nih.gov/31934795/)
10. [Heckbert SR, Austin TR, Jensen PN, Floyd JS, Psaty BM, Soliman EZ, Kronmal RA. Yield and consistency of arrhythmia detection with patch electrocardiographic monitoring: The Multi-Ethnic Study of Atherosclerosis. *J Electrocardiol*. 2018;51(6):997-1002.](https://www.ncbi.nlm.nih.gov/pubmed/30497763)
11. [Heckbert SR, Christophersen IE, Magnani JW, Yin X, Barnard J, Weng LC, Arking DE, Niemeijer MN, Lubitz SA, Avery CL, Duan Q, Felix SB, Bis JC, Kerr KF, Isaacs A, Muller-Nurasyid M, Muller C, North KE, Reiner AP, Tinker LF, Kors JA, Teumer A, Petersmann A, Sinner MF, Buzkova P, Smith JD, Van Wagoner DR, Volker U, Waldenberger M, Peters A, Meitinger T, Limacher MD, Wilhelmsen KC, Psaty BM, Hofman A, Uitterlinden A, Krijthe BP, Zhang ZM, Schnabel RB, Kaab S, van Duijn C, Rotter JI, Sotoodehnia N, Dorr M, Li Y, Chung MK, Soliman EZ, Alonso A, Whitsel EA, Stricker BH, Benjamin EJ, Ellinor PT. Fifteen Genetic Loci Associated With the Electrocardiographic P Wave. *Circ Cardiovasc Genet*. 2017;10(4). pii: e001667. doi: 10.1161/CIRCGENETICS.116.001667.](https://www.ncbi.nlm.nih.gov/pubmed/28794112)
12. [Heckbert SR, Jensen PN, Austin TR, Chen LY, Post WS, Ambale Venkatesh B, Soliman EZ, Floyd JS, Sotoodehnia N, Kronmal RA, Lima JAC. Associations of Left Atrial Function and Structure With Supraventricular Ectopy: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2021;10(4):e018093. doi: 10.1161/JAHA.120.018093.](https://pubmed.ncbi.nlm.nih.gov/33538182/)
13. [Heckbert SR, Jensen PN, Erus G, Nasrallah IM, Rashid T, Habes M, Austin TR, Floyd JS, Schaich CL, Reline S, Bryan RN, Cost MD. Heart rate fragmentation and brain MRI markers of small vessel diseare in MESA. *Alzheimers Dement*. 2024;20(2):1397-1405.](https://pubmed.ncbi.nlm.nih.gov/38009395/)
14. [Heckbert SR, Nolte IM, Munoz ML, Tragante V, Amare AT, Jansen R, Vaez A, von der Heyde B, Avery CL, Bis JC, Dierckx B, van Dongen J, Gogarten SM, Goyette P, Hernesniemi J, Huikari V, Hwang SJ, Jaju D, Kerr KF, Kluttig A, Krijthe BP, Kumar J, van de Laan SW, Lyytikainen LP, Maihofer AX, Minassian A, van der Most PJ, Muller-Nurasyid M, Nivard M, Salvi E, Stewart JD, Thayer JF, Verweij N, Wong A, Zabaneh D, Zafarmand MH, Abdellaoui A, Albarwani S, Albert C, Alonso A, Ashar F, Auvinen J, Axelsson T, Baker DG, de Bakker PIW, Barcella M, Bayoumi R, Bieringa RJ, Boomsma D, Boucher G, Britton AR, Christophersen I, Dietrich A, Ehret GB, Ellinor PT, Eskola M, Felix JF, Foras JS, Franco OH, Friberg P, Gademan MGJ, Geyer MA, Giedraitis V, Hartman CA, Hemerich D, Hofman A, Hottenga JJ, Huikuri H, Hutri-Kahonen N, Jouven X, Junttila J, Juonala M, Kiviniemi AM, Kors JA, Kumari M, Kuznetsova T, Laurie CC, Lefrandt JD, Li Y, Li Y, Liao D, Limacher MC, Lin HJ, Lindgren CM, Lubitz SA, Mahajan A, McKnight B, Zu Schwabedissen HM, Milaneschi Y, Mononen N, Morris AP, Nalls MA, Navis G, Neijts M, Nikus K, North KE, O’Connor DT, Ormel J, Perz S, Peters A, Psaty BM, Raitakari OT, Risbrough VB, Sinner MF, Siscovick D, Smith JH, Smith NL, Soliman EZ, Sottodehnia N, Staessen JA, Stein PK, Stilp AM, Stolarz-Skrzypek K, Strauch K, Sundstrom J, Sweene CA, Syvanen AC, Tardif JC, Taylor KD, Teumer A, Thornton TA, Tinker LE, Uitterlinden AG, van Setten J, Voss A, Walderberger M, Wilhelmsen KC, Willemsen G, Wong Q, Zhang ZM, Zonderman AB, Cusi D, Evens MK, Greiser HK, van der Harst P, Hassan M, Ingelsson E, Jarvelin MR, Kaab S, Kahonen M, Kivimaki M, Kooperberg C, Kuh D, Lehtimaki T, Lind L, Nivergelt CM, O’Donnell CJ, Oldehinkel AJ, Pennninx B, Reiner AP, Riese H, van Roon AM, Rioux JD, Rotter JI, Stricker BH, Tiemeir H, Vrijkotte TGM, Asselbergs FW, Brundel BJJM, Whitsel EA, den Hoed M, Snieder H, de Geus EJC. Genetic loci associated with heart rate variability and their effects on cardiac disease risk. *Nat Commun*. 2017;8:15805. doi: 10.1038/ncomms15805.](https://www.ncbi.nlm.nih.gov/pubmed/28613276)
15. [Heckbert SR, Post W, Pearson GD, Arnett DK, Gomes AS, Jerosch-Herold M, Hundley WG, Lima JA, Bluemke DA. Traditional Cardiovascular Risk Factors in Relation to Left Ventricular Mass, Volume, and Systolic Function by Cardiac Magnetic Resonance Imaging: The Multiethnic Study of Atherosclerosis. *J Am Coll Cardiol.* 2006;48(11):2285-2292.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17161261&query_hl=4&itool=pubmed_docsum)
16. [Heckbert SR, Wiggins KL, Blackshear C, Yang Y, Ding J, Liu J, McKnight B, Alonso A, Austin TR, Benjamin EJ, Curtis LH, Sotoodehnia N, Correa A. Pericardial fat volume and incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis and Jackson Heart Study. *Obesity (Silver Spring)*. 2017;25(6):1115-1121.](https://www.ncbi.nlm.nih.gov/pubmed/28452401)
17. [Henson JB, Budoff MJ, Muir AJ. Performance of the Pooled Cohort Equations in non-alcoholic fatty liver disease: The Multi-Ethnic Study of Atherosclerosis. *Liver Int*. 2023;43(3):599-607.](https://pubmed.ncbi.nlm.nih.gov/36401810/)
18. [Hermann EA, Motahari A, Hoffman EA, Allen N, Bertoni AG, Bluemke DA, Eskandari A, Gerard SE, Guo J, Hiura GT, Kaczka DW, Michos ED, Nagpal P, Pankow J, Shah S, Smith BM, Hinckley Stukovsky K, Sun Y, Watson K, Barr RG. Pulmonary Blood Volume Among Older Adults in the Community: The MESA Lung Study. *Circ Cardiovasc Imaging*. 2022;15(8):e014380. doi: 10.1161/CIRCIMAGING.122.014380.](https://pubmed.ncbi.nlm.nih.gov/35938411/)
19. [Hernandez R, Kershaw KN, Siddique J, Boehm JK, Kubzansky LD, Diez-Roux A, Ning H, Lloyd-Jones DM. Optimism and Cardiovascular Health: Multi-Ethnic Study of Atherosclerosis (MESA). *Health Behav Policy Rev*. 2015;2(1):62-73.](http://www.ncbi.nlm.nih.gov/pubmed/26213688)
20. [Herrington DM, O’Donnell CJ, Kavousi M, Smith AV, Kardia SL, Feitosa MF, Hwang SJ, Sun YV, Province MA, Aspelund T, Dehghan A, Hoffmann U, Bielak LF, Zhang Q, Eiriksdottir G, van Duijn CM, Fox CS, de Andrade M, Kraja AT, Sigurdsson S, Elias-Smale SE, Murabito JM, Launer IJ, van der Lugt A, Kathiresan S; CARDIoGRAM Consortium, Krestin GP, Howard TD, Liu Y, Post W, Mitchell BD, O’Connell JR, Shen H, Shuldiner AR, Altshuler D, Elosua R, Salomaa V, Schwartz SM, Siscovick DS, Voight BF, Bis JC, Glazer NL, Psaty BM, Boerwinkle E, Heiss G, Blankenberg S, Zeller T, Wild PS, Schnabel RB, Schillert A, Ziegler A, Munzel TF, White CC, Rotter JI, Nalls M, Oudkerk M, Johnson AD, Newman AB, Uitterlinden AG, Massaro JM, Cunningham J, Harris TB, Hofman A, Peyser PA, Borecki IB, Cupples LA, Gudnason V, Witterman JC. Genome-wide association study for coronary artery calcification with follow-up in myocardial infarction. *Circulation.* 2011;124(25):2855-2864.](http://www.ncbi.nlm.nih.gov/pubmed?term=Genome-wide%20association%20study%20for%20coronary%20artery%20calcification%20with%20follow%20up%20in%20myocardial%20infarction)
21. [Hicken MT, Adar SD, Diez Roux AV, O’Neill MS, Magzamen S, Auchincloss AH, Kaufman JD. Do psychosocial stress and social disadvantage modify the association between air pollution and blood pressure?: the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2013;178(10):1550-1562.](http://www.ncbi.nlm.nih.gov/pubmed/24064742)
22. [Hicken MT, Adar SD, Hajat A, Kershaw K, Do DP, Barr RG, Kaufman JD, Diez Roux AV. Air Pollution, Cardiovascular Outcomes, and Social Disadvantage: The Multi-Ethnic Study Of Atherosclerosis. *Epidemiology*. 2016;27(1):42-50.](http://www.ncbi.nlm.nih.gov/pubmed/26618771)
23. [Hicken MT, Dou J, Kershaw KN, Liu Y, Hajat A, Bakulski KM. Racial and Ethnic Residential Segregation and Monocyte DNA Methylation Age Acceleration. *JAMA Netw Open*. 2023;6(11):e2344722. doi: 10.1001./jamanetworkopen.2023.44722.](https://pubmed.ncbi.nlm.nih.gov/38019517/)
24. [Hicken MT, Katz R, Crews DC, Kramer HJ, Peralta CA. Neighborhood Social Context and Kidney Function Over Time: The Multi-Ethnic Study of Atherosclerosis. *Am J Kidney Dis*. 2019;73(5):585-595.](https://www.ncbi.nlm.nih.gov/pubmed/30655114)
25. [Hindy G, Tyrrell DJ, Vasbinder A, Wei C, Presswalla F, Wang H, Blakely P, Ozel AB, Graham S, Holton GH, Dowsett J, Fahed AC, Amadi KM, Erne GK, Tekmulla A, Ismail A, Launius C, Sotoodehnia N, Pankow JS, Thorner LW, Erikstrup C, Pedersen OB, Banasik K, Brunak S, Ullum H, Eugen-OlsenJ, Ostrowski SR; DBDS Consortium; Haas ME, Nielsen JB, Lotta LA; Regeneron Genetics Center; Engstrom G, Melander O, Orho-Melander M, Zhao L, Murthy VL, Pinsky DJ, Willer CJ, Heckbert SR, Reiser J, Goldstein DR, Desch KC, Hayek SS. Increased soluble urokinase plasminogen activator levels modulate monocyte function to promote atherosclerosis. *J Clin Invest*. 2022;132(24):e158788. doi: 10.1172/JCI158788.](https://pubmed.ncbi.nlm.nih.gov/36194491/)
26. [Hiramoto JS, Katz R, Peralta CA, Ix JH, Fried L, Cushman M, Siscovick D, Palmas W, Sarnak M, Shlipak MG. Inflammation and Coagulation Markers and Kidney Function Decline: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2012;60(2):225-232.](http://www.ncbi.nlm.nih.gov/pubmed/22560844)
27. [Hirsch JA, Diez Roux AV, Rodriguez DA, Brines SJ, Moore KA. Discrete land uses and transportation walking in two U.S. cities: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2013;24:196-202.](http://www.ncbi.nlm.nih.gov/pubmed/24148201)
28. [Hirsch JA, Moore KA, Evenson KR, Rodriguez DA, Diez Roux AV. Walk score® and transit score® and walking in the multi-ethnic study of atherosclerosis. *Am J Prev Med*. 2013;45(2):158-166.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Walk+score+and+transit+score+and+walking+in+the+multi-ethnic+study+of+atherosclerosis)
29. [Hirsch JA, Diez Roux AV, Moore KA, Evenson KR, Rodriguez DA. Change in walking and body mass index following residential relocation: the multi-ethnic study of atherosclerosis. *Am J Public Health*. 2014;104(3):e49-56.](http://www.ncbi.nlm.nih.gov/pubmed/24432935)
30. [Hirsch JA, Michael YL, Moore KA, Melly S, Hughes TM, Hayden K, Luchsinger JA, Jimenez MP, James P, Besser LM, Sanchez B, Diez Roux AV. Longitudinal neighbourhood determinants with cognitive health and dementia disparities: protocol of the Multi-Ethnic Study of Atherosclerosis Neighborhoods and Aging prospective cohort study. *BMJ Open*. 2022;12(11):e066971. doi: 10.1136/bmjopen-2022-066971.](https://pubmed.ncbi.nlm.nih.gov/36368762/)
31. [Hirsch JA, Moore KA, Barrientos-Gutierrez T, Brines SJ, Zagorski MA, Rodriguez DA, Diez Roux AV. Built environment change and change in BMI and waist circumference: Multi-ethnic Study of Atherosclerosis. *Obesity (Silver Spring)*. 2014;22(11):2450-2457.](http://www.ncbi.nlm.nih.gov/pubmed/25136965)
32. [Hirsch JA, Moore KA, Clarke PJ, Rodriguez DA, Evenson KR, Brines SJ, Zagorski MA, Diez Roux AV. Changes in the built environment and changes in the amount of walking over time: longitudinal results from the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2014;180(8):799-809.](http://www.ncbi.nlm.nih.gov/pubmed/25234431)
33. [Hisamatsu T, Liu K, Chan C, Krefman AE, Fujiyoshi A, Budoff MJ, Miura K. Lloyd-Jones DM, Ueshima H. Coronary Artery Calcium Progression Among the US and Japanese Men. *Circ Cardiovasc Imaging*. 2019;12(2):e008104. doi: 10.1161/CIRCIMAGING.118.008104.](https://www.ncbi.nlm.nih.gov/pubmed/30755051)
34. [Ho JE, Bhambhani V, Kizer JR, Lima JAC, van der Harst P, Bahrami H, Nayor M, deFilippi CR, Enserro D, Blaha MJ, Cushman M, Wang TJ, Gansevoort RT, Fox CS, Gaggin HK, Kop WJ, Liu K, Vasan RS, Psaty BM, Lee DS, Brouwers FP, Hillege HL, Bartz TM, Benjamin EJ, Chan C, Allison M, Gardin JM, Januzzi JL Jr, Levy D, Herrington DM, van Gilst WH, Bertoni AG, Larson MG, de Boer RA, Gottdiener JS, Shah SJ. Predictors and outcomes of heart failure with mid-range ejection fraction. *Eur J Heart Fail*. 2018;20(4):651-659.](https://www.ncbi.nlm.nih.gov/pubmed/29226491)
35. [Ho JE, de Boer RA, Nayor M, deFilippi CR, Enserro D, Bhambhani V, Kizer JR, Blaha MJ, Brouwers FP, Cushman M, Lima JAC, Bahrami H, van der Harst P, Wang TJ, Gansevoort RT, Fox CS, Gaggin HK, Kop WJ, Liu K, Vasan RS, Psaty BM, Lee DS, Hillege HL, Bartz TM, Benjamin EJ, Chan C, Allison M, Gardin JM, Januzzi JL Jr, Shah SJ, Levy D, Herrington DM, Larson MG, van Gilst WH, Gottdiener JS, Bertoni AG. Association of Cardiovascular Biomarkers With Incident Heart Failure With Preserved and Reduced Ejection Fraction. *JAMA Cardiol*. 2018;3(3):215-224.](https://www.ncbi.nlm.nih.gov/pubmed/29322198)
36. [Ho JE, Enserro D, Brouwers FP, Kizer JR, Shah SJ, Psaty BM, Bartz TM, Santhanakrishnan R, Lee DS, Chan C, Liu K, Blaha MJ, Hillege HL, van der Harst P, van Gilst WH, Kop WJ, Gansevoort RT, Vasan RS, Gardin JM, Levy D, Gottdiener JS, de Boer RA, Larson MG. Predicting Heart Failure With Preserved and Reduced Ejection Fraction: The International Collaboration on Heart Failure Subtypes. *Circ Heart Fail*. 2016;9(6). pii: e003116. doi: 10.1161/CIRCHEARTFAILURE.115.003116.](http://www.ncbi.nlm.nih.gov/pubmed/27266854)
37. [Ho JE, Savji N, Meijers WC, Bartz TM, Bhambhani V, Cushman M, Nayor M, Kizer JR, Sarma A, Blaha MJ, Gansevoort RT, Gardin JM, Hillege HL, Ji F, Kop WJ, Lau ES, Lee DS, Sadreyev R, van Gilst WH, Wang TJ, Zanni MV, Vasan RS, Allen NB, Psaty BM, van der Harst P, Levy D, Larson M, Shah SJ, de Boer RA, Gottdiener JS. The Association of Obesity and Cardiometabolic Traits With Incident HFpEF and HFrEF. *JACC Heart Fail*. 2018;6(8):701-709.](https://www.ncbi.nlm.nih.gov/pubmed/30007554)
38. [Hoekstra M, Chen HY, Rong J, Dufresne L, Yao J, Guo X, Tsai MY, Tsimikas S, Post WS, Vasan RS, Rotter JI, Larson MG, Thanassoulis G, Engert JC. Genome-Wide Association Study Highlights *APOH* as a Novel Locus for Lipoprotein(a) Levels-Brief Report. *Arterioscler Thromb Vasc Biol*. 2021;41(1):458-464.](https://pubmed.ncbi.nlm.nih.gov/33115273/)
39. [Hoffman EA, Ahmed FS, Baumhauer H, Budoff M, Carr JJ, Kronmal R, Reddy S, Barr RG. Variation in the Percent of Emphysema-Like Lung in a Healthy, Nonsmoking Multiethnic Sample. The MESA Lung Study. *Ann Am Thorac Soc*. 2014;11(6):898-907.](http://www.ncbi.nlm.nih.gov/pubmed/24983825)
40. [Hoffman EA, Jiang R, Baumhauer H, Brooks MA, Carr JJ, Detrano R, Reinhardt J, Rodriguez J, Stukovsky K, Wong ND, Barr RG. Reproducibility and validity of lung density measures from cardiac CT Scans--The Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study. *Acad Radiol*. 2019;16(6):689-699.](https://www.ncbi.nlm.nih.gov/pubmed/19427979?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
41. [Holvoet P, Jenny NS, Schreiner PJ, Tracy RP, Jacobs DR. The relationship between oxidized LDL and other cardiovascular risk factors and subclinical CVD in different ethnic groups: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis.* 2007;194(1):245-252.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16982059&ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
42. [Hom EK, Duprez DA, Jacobs DR Jr, Bluemke DA, Brumback LC, Polak JF, Peralta CA, Greenland P, Magzamen S, Lima JA, Redheuil A, Herrington DM, Stein JH, Vaidya D, Ouyang P, Kaufman JD. Comparing Arterial Function Parameters for the Prediction of Coronary Heart Disease Events: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Epidemiol*. 2016;184(12):894-901.](https://www.ncbi.nlm.nih.gov/pubmed/27923782)
43. [Hong YS, Battle SL, Shi W, Puiu D, Pillalamarri V, Xie J, Pankratz N, Lake NJ, Lek M, Rotter JI, Rich SS, Kooperberg C, Reiner AP, Auer PL, Herad-Costa N, Liu C, Lai M, Murabito JM, Levy D, Grove ML, Alonso A, Gibbs R, Dugan-Perez S, Gondek LP, Guallar E, Arking DE. Deleterious heteroplasmic mitochondrial mutations are associated with an increased risk of overall and cancer-specific mortality. *Nat Commun*. 2023;14(1):6113. doi: 10.1038/s41467-023-41785-7.](https://pubmed.ncbi.nlm.nih.gov/37777527/)
44. [Horne A, Roberts ET, Martin SS, Blaha MJ, Blankstein R, Budoff MJ, Sibley C, Polak JF, Frick KD, Blumenthal RS, Nasir K. Cost-Effectiveness of Coronary Artery Calcium Testing for Coronary Heart and Cardiovascular Disease Risk Prediction to Guide Statin Allocation: The Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2015 Mar 18;10(3):e0116377. doi: 10.1371/journal.pone.0116377. eCollection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/25786208)
45. [Horvath S, McCartney DL, Min JL, Richmond RC, Lu AT, Sobczyk MK, Davies G, Broer L, Guo X, Jeong A, Jung J, Kasela S, Katrinli S, Kuo PL, Matias-Garcia PR, Mishra PP, Nygaard M, Palviainen T, Patki A, Raffield LM, Ratliff SM, Richardson TG, Robinson O, Soerensen M, Sun D, Tsai PC, van der Zee MD, Walker RM, Wang X, Wang Y, Xia R, Xu Z, Yao J, Zhao W, Correa A, Boerwinkle E, Dugue PA, Durda P, Elliott HR, Gieger C; Genetics of DNA Methylation Consortium; de Geus EJC, Harris SE, Hemani G, Imboden M, Kahonen M, Kardia SLR, Kresovich JK, Li S, Lunetta KL, Mangino M, Mason D, McIntosh AM, Mengel-From J, Moore AZ, Murabito JM; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Ollikainen M, Pankow JS, Pedersen NL, Peters A, Polidoro S, Porteous DJ, Raitkari O, Rich SS, Sandler DP, Sillanpaa E, Smith AK, Southey MC, Strauch K, Tiwari H, Tanaka T, Tillin T, Uitterlinden AG, Ven Den Berg DJ, van Dongen J, Wilson JG, Wright J, Yet I, Arnett D, Bandinelli S, Bell JT, Binder AM, Boomsma DI, Chen W, Christensen K, Connelly KN, Elliott P, Ferucci L, Fornage M, Hagg S, Hayward C, Irvin M, Kaprio J, Lawlor DA, Lehtimaki T, Lohoff FW, Milani L, Milne RL, Probst-Hensch N, Reiner AP, Ritz B, Rotter JI, Smith JA, Taylor JA, van Meurs JB, Vineis P, Waldenberger M, Deary IJ, Relton C, Marioni R. Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. *Genome Biol*. 2021;22(1):194. doi: 10.1186/s13059-021-02398-9.](https://pubmed.ncbi.nlm.nih.gov/34187551/)
46. [Horwich T, Srikanthan P, Gaitonde A, Watson K, Allison M, Kronmal R. Association Between Measures of Body Composition and Coronary Calcium: Findings From the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2023;12(4):e027708. doi: 10.1161/JAHA.122.027708.](https://pubmed.ncbi.nlm.nih.gov/36752229/)
47. [Hsi RS, Spieker AJ, Stoller ML, Jacobs DR Jr, Reiner AP, McClelland RL, Kahn AJ, Chi T, Szklo M, Sorensen MD, Coronary Artery Calcium Score and Association with Recurrent Nephrolithiasis: The Multi-Ethnic Study of Atherosclerosis. *J Urol*. 2016;195(4P1):971-976.](http://www.ncbi.nlm.nih.gov/pubmed/26454103)
48. [Hsu JJ, Katz R, Chirinos JA, Jacobs DR Jr, Duprez DAQ, Peralta CA. Arterial wave reflections and kidney function decline among persons with preserved estimated glomerular filtration rate: the Multi-Ethnic Study of Atherosclerosis. *J Am Soc Hypertens*. 2016;10(5):438-446.](https://www.ncbi.nlm.nih.gov/pubmed/27085205)
49. [Hsu JJ, Katz R, Ix JH, de Boer IH, Kestenbaum B, Shlipak MG. Association of fibroblast growth factor-23 with arterial stiffness in the Multi-Ethnic Study of Atherosclerosis. *Nephrol Dial Transplant*. 2014;29(11):2099-2105.](http://www.ncbi.nlm.nih.gov/pubmed/24782533)
50. [Hsu S, Criqui MH, Ginsberg C, Hoofnagle AN, Ix JH, McClelland RL, Michos ED, Shea SJ, Siscovick D, Zelnick LR, Kestenbaum BR, de Boer IH. Biomarkers of Vitamin D Metabolism and Hip and Vertebral Fracture Risk: The Multi-Ethnic Study of Atherosclerosis. *JBMR Plus*. 2022;6(12)e10697. doi: 10.1002/jbm4.10697. eCollection 2022 Dec.](https://pubmed.ncbi.nlm.nih.gov/36530185/)
51. [Hsu S, Hoofnagle AN, Gupta DK, Gutierrez OM, Peralta CA, Shea S, Allen NB, Burke G, Michos ED, Ix JH, Siscovick D, Psaty BM, Watson KE, Kestenbaum B, de Boer IH, Robinson-Cohen C. Race, Ancestry, and Vitamin D Metabolism: The Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2020;105(12):dgaa612. doi: 10.1210/clinem/dgaa612.](https://pubmed.ncbi.nlm.nih.gov/32869845/)
52. [Hsu S, Prince DK, Williams K, Allen NB, Burke GL, Hoofnable AN, Li X, Liu KJ, McClelland RL, Michos ED, Psaty BM, Shea SJ, Rice KM, Rotter JI, Siscovick D, Tracy RP, Watson KE, Kestenbaum BR, de Boer IH. Clinical and biomarker modifiers of vitamin D treatment response: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2022;115(3):914-924.](https://pubmed.ncbi.nlm.nih.gov/34849546/)
53. [Hu J, Yao J, Deng S, Balasubramanian R, Jimenez MC, Li J, Guo X, Cruz DE, Gao Y Huang T, Zeleznik OA, Ngo D, Liu S, Rosal MC, Nassir R, Paynter NP, Albert CM, Tracy RP, Durda P, Liu Y, Taylor KD, Johnson WC, Sun Q, Rimm EB, Eliassen AH, Rich SS, Rotter JI, Gerszten RE, Clish CB, Rexrode KM. Differences in Metabolomic Profiles Between Black and White Women and Risk of Coronary Heart Disease: an Observational Study of Women From Four US Cohorts. *Circ Res*. 2022;131(7):601-615.](https://pubmed.ncbi.nlm.nih.gov/36052690/)
54. [Hu T, Jacobs DR, Bazzano LA, Bertoni AG, Steffen LM. Low-carbohydrate diets and prevalence, incidence and progression of coronary artery calcium in the Multi-Ethnic Study of Atherosclerosis (MESA). *Br J Nutr*. 2019;1-8. doi: 10.1017/S0007114518003513.](https://www.ncbi.nlm.nih.gov/pubmed/30630542)
55. [Hu T, Rianon NJ, Nettleton JA, Hyder JA, He J, Steffen LM, Jacobs DR, Criqui MH, Bazzano LA. Protein intake and lumbar bone density: the Multi-Ethnic Study of Atherosclerosis (MESA). *Br J Nutr*. 2014;112(8):1384-1392.](http://www.ncbi.nlm.nih.gov/pubmed/25192416)
56. [Hu X, Logan JG, Kwon Y, Lima JAC, Jacobs DR, Duprez D, Brumback L, Taylor KD, Durda P, Johnson WC, Cornell E, Guo X, Liu Y, Tracy RP, Blackwell TW, Papanicolaou G, Mitchell GF, Rich SS, Rotter JI, Van Den Berg DJ, Chirinos JA, Hughes TM, Garrett-Bakelman FE, Manichaikul A. Multi-ancestry epigenome-wide analyses identify methylated sites associated with aortic augmentation index in TOPMed MESA. *Sci Rep*. 2023;13(1):17680. doi: 10.1038/s41598-023-44806-z.](https://pubmed.ncbi.nlm.nih.gov/37848499/)
57. [Huang CC, Liu K, Pope RM, Du P, Lin S, Rajamannan NM, Huang QQ, Jafari N, Burke GL, Post W, E Watson K, Johnson C, Daviglus ML, Lloyd-Jones DM. Activated TLR signaling in atherosclerosis among women with lower Framingham risk score: the multi-ethnic study of atherosclerosis. *PLoS One*. 2011;6(6):e21067. doi: 10.1371/journal pone 0021067.](http://www.ncbi.nlm.nih.gov/pubmed/21698167)
58. [Huang CC, Lloyd-Jones DM, Guo X, Rajamannan NM, Lin SM, Du P, Huang Q, Hou L, Liu K. Gene expression variation between African Americans and whites is associated with coronary artery calcification: the multiethnic study of atherosclerosis. *Physiol Genomics*. 2011;43(13):836-843.](http://www.ncbi.nlm.nih.gov/pubmed/21521779)
59. [Huang GS, Hansen SL, McClelland RL, Fitzpatrick AL, Longstreth Jr WT, Budoff M, Wong ND, Fujiyoshi A, Kwon Y, Hughes TM, Heckbert SR. Relation of Progression of Coronary Artery Calcium to Dementia (form the Multi-Ethnic Study of Atherosclerosis ). *Am J Cardiol*. 2022;171:69-74.](https://pubmed.ncbi.nlm.nih.gov/35287946/)
60. [Huang T, Goodman M, Li X, Sands SA, Li J, Stampfer MJ, Saxena R, Tworoger SS, Redline S. C-reactive Protein and Risk of OSA in Four US Cohorts. *Chest*. 2021;159(6):2439-2448.](https://pubmed.ncbi.nlm.nih.gov/33529772/)
61. [Huang T, Mariani S, Redline S. Sleep Irregularity and Risk of Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2020;75(9):991-999.](https://www.ncbi.nlm.nih.gov/pubmed/32138974)
62. [Huang T, Redline S. Cross-sectional and Prospective Associations of Actigraphy-Assessed Sleep Regularity With Metabolic Abnormalities: The Multi-Ethnic Study of Atherosclerosis. *Diabetes Care*. 2019;42(8):1422-1429.](https://www.ncbi.nlm.nih.gov/pubmed/31167888)
63. [Huang T, Sands SA, Stampfer MJ, Tworoger SS, Hu FB, Redline S. Insulin Resistance, Hyperglycemia, and Risk of Developing Obstructive Sleep Apnea in Men and Women in the United States. *Ann Am Thorac Soc*. 2022;19(10):1740-1749.](https://pubmed.ncbi.nlm.nih.gov/35385367/)
64. [Huber MP, Pandit JA, Jensen PN, Wiggins KL, Patel RB, Freed BH, Bertoni AG, Shah SJ, Heckbert SR, Floyd JS. Left Atrial Strain and the Risk of Atrial Arrhythmias From Extended Ambulatory Cardiac Monitoring: MESA. *J Am Heart Assoc*. 2022;11(21):e026875. doi: 10.1161/JAHA.122.026875.](https://pubmed.ncbi.nlm.nih.gov/36314499/)
65. [Hueper K, Parikh MA, Prince MR, Schoenfeld C, Liu C, Bluemke DA, Dashnaw SM, Goldstein TA, Hoffman EA, Lima JA, Skrok J, Zheng J, Barr RG, Vogel-Claussen J. Quantitative and semiquantitative measures of regional pulmonary microvascular perfusion by magnetic resonance imaging and their relationships to global lung perfusion and lung diffusing capacity: the multiethnic study of atherosclerosis chronic obstructive pulmonary disease study. *Invest Radiol*. 2013;48(4):223-230.](http://www.ncbi.nlm.nih.gov/pubmed/23385398)
66. [Hueper K, Vogel-Claussen J, Parihk MA, Austin JH, Bluemke DA, Carr J, Choi J, Goldstein TA, Gomes AS, Hoffman EA, Kawut SM, Lima J, Michos ED, Post WS, Po MJ, Prince MR, Liu K, Rabinowitz D, Skrok J, Smith BM, Watson K, Yin Y, Zambeli-Ljepovic AM, Barr RG. Pulmonary Microvascular Blood Flow in Mild Chronic Obstructive Pulmonary Disease and Emphysema. The MESA COPD Study. *Am J Respir Crit Care Med*. 2015;192(5):570-580.](http://www.ncbi.nlm.nih.gov/pubmed/26067761)
67. [Hughes TM, Craft S, Baker LD, Espeland MA, Rapp SR, Sink KM, Bertoni AG, Burke GL, Gottesman RF, Michos ED, Luchsinger JA, Fitzpatrick AL, Hayden KM. Changes in metabolic risk factors over 10 years and their associations with late-life cognitive performance: The Multi-Ethnic Study of Atherosclerosis. *Alzheimers Demet (Amst)*. 2017;8:18-25.](https://www.ncbi.nlm.nih.gov/pubmed/28435852)
68. [Hughes-Austin JM, Katz R, Majka DS, Criqui MH, Robinson WH, Firestein GS, Hundley WG, Ix JH. Serum reactivity to citrullinated protein/peptide antigens and left ventricular structure and function in the Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2023;18(10):e0291967. doi: 10.1371/journal.pone.0291967. eCollection 2023.](https://pubmed.ncbi.nlm.nih.gov/37874814/)
69. [Hughes-Austin JM, Rifkin DE, Beben T, Katz R, Sarnak MJ, Deo R, Hoofnagle AN, Homma S, Siscovick DS, Sotoodehnia N, Psaty BM, de Boer IH, Kestenbaum B, Shlipak MG, Ix JH. The Relation of Serum Potassium Concentration and Cardiovascular Events and Mortality in Community-Living Individuals. *Clin J Am Soc Nephrol*. 2017;12(2):245-252.](https://www.ncbi.nlm.nih.gov/pubmed/28143865)
70. [Hughes-Austin JM, Wassel CL, Jimenez J, Criqui MH, Ix JH, Rasmussen-Trovik LJ, Budoff MJ, Jenny NS, Allison MA. The relationship between adiposity-associated inflammation and coronary artery and abdominal aortic calcium differs by strata of central adiposity: The Multi-Ethnic Study of Atherosclerosis (MESA). *Vasc Med*. 2014;19(4):264-271.](http://www.ncbi.nlm.nih.gov/pubmed/24907349)
71. [Hui N, Morris MJ, Allison MA, Tsai MY, Rye KA, Tabet F, Ong KL. Lipoprotein (a) and the risk of elevated depressive symptoms: The Multi-Ethnic Study of Atherosclerosis. *J Psychiatr Res*. 2021;133:119-124.](https://pubmed.ncbi.nlm.nih.gov/33338734/)
72. [Hui TH, McClelland RL, Allison MA, Rodriguez CJ, Kronmal RA, Heckbert SR, Michos ED, Barter PJ, Rye KA, Ong KL. The relationship of circulating fibroblast growth factor 21 levels with incident atrial fibrillation: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2018;269:86-91.](https://www.ncbi.nlm.nih.gov/pubmed/29351855)
73. Husain-Syed F, DiFrancesco MF, Deo R, Barr G, Scialla JJ, Bluemke DA, Kronmal RA, Lima JAC, Praestgaard A, Tracy RP, Shlipak M, Kawut SM, Kim JS. Associations between eGFR and albuminuria with right ventricular measures: the MESA-Right ventricle study. *Clinical Kidney Journal*. (In press)
74. [Husby MP, Soliman EZ, Goldberger JJ, Liu K, Lloyd-Jones D, Durazo-Arvizu R, Kramer H. The Association between the PR Interval and Left Ventricular Measurements in the Multiethnic Study of Atherosclerosis. *Cardiol Res Pract*. 2015;2015:193698. doi: 10.1155/2015/193698.](https://www.ncbi.nlm.nih.gov/pubmed/26558133)
75. [Hussein M, Diez Roux AV, Mujahid MS, Hastert TA, Kershaw KN, Bertoni AG, Baylin A. Unequal Exposure or Unequal Vulnerability? Contributions of Neighborhood Conditions and Cardiovascular Risk Factors to Socioeconomic Inequality in Incident Cardiovascular Disease in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2018;187(7):1424-1437.](https://www.ncbi.nlm.nih.gov/pubmed/29186311)
76. [Hyacinth HI, Bello NA, Roetker NS, Seals SR, Naik RP, Derebail VK, Kshirsagar AV, Key NS, Wilson JG, Correa A, Adams RJ, Egede LD, Longstreth WT Jr, Choudhary G, Gee BE, Hughes AL, Shah AM, Manson JE, Allison M, Burke GL, Folsom AR, Carty CL, Reiner AP, Solomon SD, Konety SH. Sickle cell trait is not associated with an increased risk of heart failure or abnormalities of cardiac structure and function. *Blood*. 2017;129(6):799-801.](https://www.ncbi.nlm.nih.gov/pubmed/27932373)
77. [Hyacinth HI, Carty CL, Seals SR, Irvin MR, Naik RP, Burke GL, Zakai NA, Wilson JG, Franceschini N, Winkler CA, David VA, Kopp JB, Judd SE, Adams RJ, Longstreth WT Jr, Egede L, Lackland DT, Taylor H, Manson JE, Howard V, Allison M, Gee BE, Correa A, Safford MM, Arnett DK, Howard G, Reiner AP, Cushman M. Association of Sickle Cell Trait With Ischemic Stroke Among African Americans: A Meta-analysis. *JAMA Neurol*. 2018;75(7):802-807.](https://www.ncbi.nlm.nih.gov/pubmed/29710269)
78. [Hyacinth HI, Franceschini N, Seals SR, Irvin MR, Chaudhary N, Naik RP, Alonso A, Carty CL, Burke GL, Zakai NA, Winkler CA, David VA, Kopp JB, Judd SE, Adams RJ, Gee BE, Longstreth Jr WT, Egede L, Lackland DT, Greensberg CS, Taylor H, Manson JE, Key NS, Derebail VK, Kshirasagar AV, Folsom AR, Konety SH, Howard V, Allison M, Wilson JG, Correa A, Zhi D, Arnett DK, Howard G, Reiner AP, Cushman M, Safford MM. Association of Sickle Cell Trait With Incidence of Coronary Heart Disease Among African American Individuals. *JAMA Netw Open*. 2021;4(1):e2030435. doi: 10.1001/jamanetworkopen.2020.30435.](https://pubmed.ncbi.nlm.nih.gov/33399855/)
79. [Hyder JA, Allison MA, Barrett-Connor E, Detrano R, Wong ND, Sirlin C, Gapstur SM, Ouyang P, Carr JJ, Criqui MH. Bone mineral density and atherosclerosis: The Multi-Ethnic Study of Atherosclerosis, Abdominal Aortic Calcium Study. *Atherosclerosis*. 2010;209(1):283-289.](http://www.ncbi.nlm.nih.gov/pubmed/19819456?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
80. [Hyder JA, Allison MA, Wong N, Papa A, Lang TF, Sirlin C, Gapstur SM, Ouyang P, Carr JJ, Criqui MH. Association of Coronary Artery and Aortic Calcium With Lumbar Bone Density: The MESA Abdominal Aortic Calcium Study. *Am J Epidemiol*. 2009;169(2):186-194.](http://www.ncbi.nlm.nih.gov/pubmed/19064643?ordinalpos=43&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
81. [Ibad HA, Hathaway QA, Bluemke DA, Kasaeian A, Klein JG, Budoff MJ, Barr RG, Allison M, Post WS, Lima JAC, Demehri S. CT-derived pectoralis composition and incident pneumonia hospitalization using fully automated deep-learning algorithm: multi-ethnic study of atherosclerosis. *Eur Radiol*. 2023 Nov 11. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37951855/)
82. [Ichikawa K, Hansen S, Manubol VS, Pourafkari L, Fazlalizadeh H, Aldana-Bitar J, VanWagner LB, Krishnan S, Budoff MJ. Prognostic value of coronary artery calcium score for the prediction of atherosclerotic cardiovascular disease in participants with suspected nonalcoholic hepatic steatosis: Results from the multi-ethnic study of atherosclerosis. *Am Heart J*. 2023;265-104-113.](https://pubmed.ncbi.nlm.nih.gov/37517431/)
83. [Ikram MK, Xie J, Cotch MF, Klein B, Varma R, Shaw JE, Klein R, Mitchell P, Lamoureux EL, Wong TY. Association of Diabetic Macular Edema and Proliferative Diabetic Retinopathy With Cardiovascular Disease: A Systematic Review and Meta-anlaysis. *JAMA Ophthalmol*. 2017;135(6):586-593.](https://www.ncbi.nlm.nih.gov/pubmed/28472362)
84. [Ilkhanoff L, Liu K, Ning H, Nazarian S, Bluemke DA, Soliman EZ, Lloyd-Jones DM. Association of QRS duration with left ventricular structure and function and risk of heart failure in middle-aged and older adults: the Multi-Ethnic Study of Atherosclerosis (MESA). *Eur J Heart Fail*. 2012;14(11):1285-1292.](http://www.ncbi.nlm.nih.gov/pubmed/22791081)
85. [Ilkhanoff L, Qian X, Lima JA, Tran H, Soliman EZ, Yeboah J, Seliger S, deFilippi CR. Electrocardiographic Associations of Cardiac Biomarkers and Cardiac Magnetic Resonance Measures of Fibrosis in the Multiethnic Study of Atherosclerosis (MESA). *Am J Cardiol*. 2023;204:287-294.](https://pubmed.ncbi.nlm.nih.gov/37567020/)
86. [Im HK, Hu X, Qiao D, Kim W, Moll M, Balte PP, Lange LA, Bartz TM, Kumar R, Li X, Yu B, Cade BE, Laurie CA, Sofer T, Ruczinski I, Nickerson DA, Muzny DM, Metcalf GA, Doddapaneni H, Gabriel S, Gupta N, Dugan-Perez S, Cupples LA, Loehr LR, Jain D, Rotter JI, Wilson JG, Psaty BM, Fornage M, Morrison AC, Vasan RS, Washko G, Rich SS, O’Connor GT, Bleecker E, Kaplan RC, Kalhan R, Redline S, Gharib SA, Meyers D, Ortega V, Dupuis J, London SJ, Lappalainen T, Oelsner EC, Silverman EK, Barr RG, Thornton TA, Wheeler HE, TOPMed Lung Working Group; Cho MH, Manichaikul A. Polygenic transcriptome risk scores for COPD and lung function improve cross-ethnic portability of prediction in the NHLBI TOPMed program. *Am J Hum Genet*. 2022;109(5):857-870.](https://pubmed.ncbi.nlm.nih.gov/35385699/)
87. [Im HK, Schubert R, Geoffroy E, Gregga I, Mulford AJ, Aguet F, Ardli K, Gerszten R, Clish C, Van Den Berg D, Taylor KD, Durda P, Johnson WC, Cornell E, Guo X, Liu Y, Tracy R, Conomos M, Blackwell T, Papanicolaou G, Lappalainen T, Mikhaylova AV, Thornton TA, Cho MH, Gignoux CR, Lange L, Lange E, Rich SS, Rotter JE, NHLBI TOPMed Consortium; Manichaikul A, Wheeler HE. Protein prediction for trait mapping in diverse populations. *PLoS One*. 2022;17(2):e0264341. doi: 10.1371/journal.pone.0264341. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35202437/)
88. [Imai M, Ambale-Venkatesh B, Samiei S, Donekal S, Habibi M, Armstrong AC, Heckbert SR, Wu CO, Bluemke DA, Lima JA. Multi-ethnic study of atherosclerosis: association between left atrial function using tissue tracking from cine MR imaging and myocardial fibrosis. *Radiology*. 2014;273(3):703-713.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Multi-ethnic+study+of+atherosclerosis%3A+association+between+left+atrial+function+using+tissue+tracking)
89. [Inker LA, Eneanya ND, Coresh J, Tighiouart H, Wang D, Sang Y, Crews DC, Doria A, Estrella MM, Froissart M, Grams ME, Green T, Grubb A, Gudnason V, Gutierrez OM, Kalil R, Karger AM, Mauer M, Navis G, Nelson RG, Poggio ED, Rodby R, Rossing P, Rule AD, Selvin E, Seegmiller JC, Shlipak MG, Torres VE, Yang W, Ballew SH, Couture SJ, Powe NR, Levey AS, Chronic Kidney Disease Epidemiology Collaboration. New Creatinine- and Cystatin C-Based Equations to Eslimate GFR without Race. *N Engl J Med*. 2021;385(19):1737-1749.](https://pubmed.ncbi.nlm.nih.gov/34554658/)
90. [Inker LA, Grams ME, Levey AS, Coresh J, Cirillo M, Collins JF, Gansevoort RT, Gutierrez OM, Hamano T, Heine GH, Ishikawa S, Jee SH, Kronenberg F, Landray MJ, Miura K, Nadkarni GN, Peralta CA, Rothenbacher D, Schaeffner E, Sedaghat S, Shlipak MG, Zhang L, van Zuilen AD, Hallan SI, Kovesdy CP, Woodward M, Leven A; CKD Prognosis Consortium. Relationship of Estimated GFR and Albuminuria to Concurrent Laboratory Abnormalities: An Individual Participant Data Meta-analysis in a Global Consortium. *Am J Kidney Dis*. 2019;73(2):206-217.](https://www.ncbi.nlm.nih.gov/pubmed/30348535)
91. [Inker LA, Levey AS, Tighiouart H, Shafi T, Eckfeldt JH, Johnson C, Okparavero A, Post WS, Coresh J, Shlipak MG. Performance of glomerular filtration rate estimating equations in a community-based sample of Blacks and Whites: the multiethnic study of atherosclerosis. *Nephrol Dial Transplant*. 2018;33(3):417-425.](https://www.ncbi.nlm.nih.gov/pubmed/28505377)
92. [Inker LA, Shafi T, Okparavero A, Tighiourt H, Eckfeldt JH, Katz R, Johnson WC, Dermond N, Tariq Z, Benayache I, Post WS, Coresh J, Levey AS, Shlipak MG. Effects of Race and Sex on Measured GFR: The Multi-Ethnic Study of Atherosclerosis. *Am J Kidney Dis*. 2016;68(5):743-751.](https://www.ncbi.nlm.nih.gov/pubmed/27555103)
93. [Inoue K, Goldwater D, Allison M, Seeman T, Kestenbaum BR, Watson KE. Serum Aldosterone Concentration, Blood Pressure, and Coronary Artery Calcium: The Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2020;76(1):113-120.](https://pubmed.ncbi.nlm.nih.gov/32418495/)
94. [Inoue K, Horwich T, Bhatnagar R, Bhatt K, Goldwater D, Seeman T, Watson KE. Urinary Stress Hormones, Hypertension, and Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2021;78(5):1640-1647.](https://pubmed.ncbi.nlm.nih.gov/34510914/)
95. [Inoue K, Seeman TE, Horwich T, Budoff MJ, Watson KE. Heterogeneity in the Association Between the Presence of Coronary Artery Calcium and Cardiovascular Events: A Machine-Learning Approach in the MESA Study. *Circulation*. 2023;147(2):132-141.](https://pubmed.ncbi.nlm.nih.gov/36314118/)
96. [Inoue YY, Ambale-Venkatesh B, Mewton N, Volpe GJ, Ohyama Y, Sharma RK, Wu CO, Liu CY, Bluemke DA, Soliman EZ, Lima JA, Ashikaga H. Electrocardiographic Impact of Myocardial Diffuse Fibrosis and Scar: MESA (Multi-Ethnic Study of Atherosclerosis). *Radiology*. 2017;282(3):690-698.](https://www.ncbi.nlm.nih.gov/pubmed/27740904)
97. [Inoue YY, Soliman EZ, Yoneyama K, Ambale-Venkatesh B, Wu Co, Sparapani R, Bluemke DA, Lima JAC, Ashikaga H. Electrocardiographic Strain Pattern Is Associated With Left Ventricular Concentric Remodeling, Scar, and Mortality Over 10 Years. *J Am Heart Assoc*. 2017;6(9). pii: e006624. doi: 10.1161/JAHA.117.006624.](https://www.ncbi.nlm.nih.gov/pubmed/28931529)
98. [Ito H, Pacold IV, Durazo-Arvizu R, Liu K, Shlipak MG, Goff DC Jr, Tracy RP, Kramer H. The effect of including cystatin C or creatinine in a cardiovascular risk model for asymptomatic individuals. the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2011;174(8):949-957.](http://www.ncbi.nlm.nih.gov/pubmed/21880578)
99. [Ix JH, De Boer IH, Peralta CA, Adeney KL, Duprez DA, Jenny NS, Siscovick DS, Kestenbaum BR. Serum Phosphorus Concentrations and Arterial Stiffness among Individuals with Normal Kidney Function to Moderate Kidney Disease in MESA. *Clin J Am Soc Nephrol*. 2009;4(3):609-615.](http://www.ncbi.nlm.nih.gov/pubmed/19211667?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
100. [Ix JH, Katz R, de Boer IH, Kestenbaum BR, Peralta CA, Jenny NS, Budoff M, Allison MA, Criqui MH, Siscovick D, Shlipak MG. Fetuin-a is inversely associated with coronary artery calcification in community-living persons: the multi-ethnic study of atherosclerosis.  *Clin Chem*. 2012;58(5):887-895.](http://www.ncbi.nlm.nih.gov/pubmed/22377528)
101. [Ix JH, Katz R, Kestenbaum B, Fried LF, Kramer H, Stehman-Breen C, Shlipak MG. Association of Mild to Moderate Kidney Dysfunction and Coronary Calcification. *J Am Soc Nephrol*. 2008;19(3):579-585.](http://www.ncbi.nlm.nih.gov/pubmed/18235089?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
102. [Ix JH, Katz R, Peralta CA, de Boer IH, Allison MA, Bluemke DA, Siscovick DS, Lima JA, Criqui MH. A High Ankle Brachial Index Is Associated With Greater Left Ventricular Mass MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2010;55(4):342-349.](http://www.ncbi.nlm.nih.gov/pubmed/20117440?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)

1. [Ix JH, Shlipak MG, Katz R, Budoff MJ, Shavelle DM, Probstfield JL, Takasu J, Detrano R, O’Brien KD. Kidney Function and Aortic Valve and Mitral Annular Calcification in the Multi-Ethnic Study of Atherosclerosis (MESA). *American J Kidney Dis*. 2007;50(3):412-420*.*](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17720520&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Jackson CL, Garg PK, Guan W, Tai MY, Criqui MH, Tsimikas S, Bhatia HS. Lipoprotein(a) and coronary artery calcium in comparison with other lipid biomarkers: The multi-ethnic study of atherosclerosis. *J Clin Lipidol*. 2023;17(4):538-548.](https://pubmed.ncbi.nlm.nih.gov/37357049/)
3. [Jackson CL, Patel SR, Jackson WB 2nd, Lutsey PL, Redline S. Agreement between self-reported and objectively measured sleep duration among white, black, Hispanic, and Chinese adults in the United States: Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2018;41(6). doi: 10.1093/sleep/zsy057.](https://www.ncbi.nlm.nih.gov/pubmed/29701831)
4. [Jackson CL, Umesi C, Gaston SA, Azarbarzin A, Lunyera J, McGrath JA, Jackson Ii WB, Diamantidis CJ, Boulware E, Lutsey PL, Redline S. Multiple, objectively measured sleep dimensions including hypoxic burden and chronic kidney disease: findings from the Multi-Ethnic Study of Atherosclerosis. *Thorax*. 2021;76(7):704-713.](https://pubmed.ncbi.nlm.nih.gov/33277428/)

1. [Jacobs DR, Crow RS. Subclinical cardiovascular disease markers applicable to studies of oral health: multiethnic study of atherosclerosis.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17435135&ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Ann N Y Acad Sci.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17435135&ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)* [2007;1098:269-287](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17435135&ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17435135&ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*
2. [Jacobsen AP, Al Rifai M, Arps K, Whelton SP, Budoff MJ, Nasir K, Blaha MJ, Psaty BM, Blumenthal RS, Post WS, McEvoy JW. A cohort study and meta-analysis of isolated diastolic hypertension: searching for a threshold to guide treatment. *Eur Heart J*. 2021;42(21):2119-2129.](https://pubmed.ncbi.nlm.nih.gov/33677498/)
3. [Jain A, McClelland RL, Polak JF, Shea S, Burke GL, Bild DE, Watson KE, Budoff MJ, Liu K, Post WS, Folsom AR, Lima JA, Bluemke DA. Cardiovascular Imaging for Assessing Cardiovascular Risk in Asymptomatic Men Versus Women: The Multi-Ethnic Study of Atherosclerosis (MESA). *Circ Cardiovasc Imaging*. 2011;4(1):8-15.](http://www.ncbi.nlm.nih.gov/pubmed/21068189)
4. [Jain A, Tandri H, Dalal D, Chahal H, Soliman EZ, Prineas RJ, Folsom AR, Lima JA, Bluemke DA. Diagnostic and prognostic utility of electrocardiography for left ventricular hypertrophy defined by magnetic resonance imaging in relationship to ethnicity: the Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2010;159(4)652-658.](http://www.ncbi.nlm.nih.gov/pubmed/20362725)
5. [Jain R, Gautam S, Wu C, Shen C, Jain A, Giesdal O, Chahal H, Lin H, Bluemke DA, Soliman EZ, Nazarian S, Lima JAC. Prognostic implications of QRS dispersion for major adverse cardiovascular events in asymptomatic women and men: the Multi-Ethnic Study of Atherosclerosis. *J Interv Card* *Electrophysiol*. 2019;56(1):45-53.](https://www.ncbi.nlm.nih.gov/pubmed/31482330)
6. [Jaiswal S, Nachun D, Lu AT, Bick AG, Natarajan P, Weinstock J, Szeto MD, Kathiresan S, Abecasis G, Taylor KD, Guo X, Tracy R, Durda P, Liu Y, Johnson C, Rich SS, Van Den Berg D, Laurie C, Blackwell T, Papanicolaou GJ, Correa A, Raffield LM, Johnson AD, Murabito J, Manson JE, Desai P, Kooperberg C, Assimes TL, Levy D, Rotter JI, Reiner AP, Whitsel EA, Wilson JG, Horvath S; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. Clonal Hematopoiesis associated with epigenetic aging and clinical outcomes. *Aging Cell*. 2021;20(6):e13366. doi: 10.1111/acel.13366.](https://pubmed.ncbi.nlm.nih.gov/34050697/)
7. [Jang S, Ogunmoroti O, Ndumele CE, Zhao D, Rao VN, Fashanu OE, Tibuakuu M, Otvos JD, Benson EM, Ouyang P, Michos ED. Association of the Novel Inflammatory Marker GlycA and Incident Heart Failure and Its Subtypes of Preserved and Reduced Ejection Fraction: The Multi-Ethnic Study of Atherosclerosis. *Circ Heart Fail*. 2020;13(8):e007067. doi: 10.1161/CIRCHEARTFAILURE.120.007067.](https://pubmed.ncbi.nlm.nih.gov/32762458/)
8. [Jang S, Ogunmoroti O, Zhao D, Fashanu OE, Tibuakuu M, Benson EM, Norby F, Otvos JD, Heckbert SR, Szklo M, Michos ED. The association of novel inflammatory marker GlycA and incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2021;16(3):0248644. doi: 10.1371.](https://pubmed.ncbi.nlm.nih.gov/33765041/)
9. [Jani VP, Kachenoura N, Redheuil A, Teixido-Tura G, Bouaou K, Bollache E, Mousseaux E, De Cesare A, Kutty S, Wu CO, Bluemke DA, Lima JAC, Ambale-Venkatesh B. Deep Learning-based Automated Aortic Area and Distensibility Assessment: the Multi-Ethnic Study of Atherosclerosis (MESA). *J Digit Imaging*. 2022;35(3)594-604.](https://pubmed.ncbi.nlm.nih.gov/35233722/)
10. [Jaspers NEM, Blaha MJ, Matsushita K, van der Schouw YT, Wareham NJ, Khaw KT, Geisel MH, Lehmann N, Erbel R, Jockel KH, van der Graaf Y, Verschuren WMM, Boer JMA, Nambi V, Visseren FLJ, Dorresteijn JAN. Prediction of individualized lifetime benefit from cholesterol lowering, blood pressure lowering, antithrombotic therapy, and smoking cessation in apparently healthy people. *Eur Heart J*. 2020;41(11):1190-1199.](https://www.ncbi.nlm.nih.gov/pubmed/31102402)
11. [Javaheri S, Sharma RK, Wang R, Weng J, Rosen BD, Bluemke DA, Lima JA, Redline S. Association between Obstructive Sleep Apnea and Left Ventricular Structure by Age and Gender: the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2016;39(3):523-529.](http://www.ncbi.nlm.nih.gov/pubmed/26888453)
12. [Jenny NS, Blumenthal RS, Kronmal RA, Rotter JI, Siscovick DS, Psaty BM. Associations of pentraxin 3 with cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. *J Thromb Haemost*. 2014;12(6):999-1005.](http://www.ncbi.nlm.nih.gov/pubmed/24628740)
13. [Jenny NS, Brown ER, Detrano R, Folsom AR, Saad MF, Shea S, Szklo M, Herrington DM, Jacobs DR Jr. Associations of inflammatory markers with coronary artery calcification: results from the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2010;209(1):226-229.](http://www.ncbi.nlm.nih.gov/pubmed/19766217)
14. [Jensen MK, Aroner SA, Mukamal KJ, Furtado JD, Post WS, Tsai MY, Tjonneland A, Polak JF, Rimm EB, Overvad K, McClelland RL, Sacks FM. High-Density Lipoprotein Subspecies Defined by Presence of Apolipoprotein C-III and Incident Coronary Heart Disease in Four Cohorts. *Circulation*. 2018;137(13):1364-1373.](https://www.ncbi.nlm.nih.gov/pubmed/29162611)
15. [Jensen MK, Jensen RA, Mukamal KJ, Guo X, Yao J, Sun Q, Cornelis M, Liu Y, Chen MH, Kizer JR, Djousse L, Siscovick DS, Psaty BM, Zmuda JM, Rotter JI, Garcia M, Harris T, Chen I, Goodarzi MO, Nalls MA, Keller M, Arnold AM, Newman AB, Hoogeveen RC, Rexrode KM, Rimm EB, Hu FB, Ramachandran VS, Katz R, Pankow JS, Ix JH. Detection of genetic loci associated with plasma fetuin-A: a meta-analysis of genome-wide association studies from the CHARGE Consortium. *Hum Mol Genet*. 2017;26(11)2156-2163.](https://www.ncbi.nlm.nih.gov/pubmed/28379451)
16. [Jensen PN, Rashid T, Ware JB, Cui Y, Sitlani CM, Austin TR, Longstreth Jr WT, Bertoni AG, Mamourian E, Bryan RN, Nasrallah IM, Habes M, Heckbert SR. Association of brain microbleeds with risk factors, cognition, and MRI markers in MESA. *Alzheimers Dement*. 2023;19(9):4139-4149.](https://pubmed.ncbi.nlm.nih.gov/37289978/)
17. [Jensen RA, Shea S, Ranjit N, Diez-Roux A, Wong TY, Klein R, Klein BE, Cotch MF, Siscovick DS. Psychosocial Risk Factors and Retinal Microvascular Signs: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010;171(5):522-531.](http://www.ncbi.nlm.nih.gov/pubmed/20035010?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
18. [Jensen RA, Sim X, Cotch MF, Ikram MK, Holliday EG, Eiriksdottir G, Harris TB, Jonasson F, Klein BE, Launer LJ, Smith AV, Boerwinkle E, Cheung N, Hewitt AW, Liew G, Mitchell P, Wang JJ, Attia J, Scott R, Glazer NL, Lumley T, McKnight B, Psaty BM, Taylor K, Hofman A, de Jong PT, Rivadeneira F, Uitterlinden AG, Tay WT, Teo YY, Seielstad M, Liu J, Cheng CY, Saw SM, Aung T, Ganesh SK, O’Donnell CJ, Nalls MA, Wiggens KL, Kuo JZ, Blue Mountains Eye Study GWAS Team; CKDGen Consortium, van Duijn CM, Gudnason V, Klein R, Siscovick DS, Rotter JI, Tai ES, Vingerling J, Wong TY. Genome-wide association study of retinopathy in individuals without diabetes. *PLoS One*. 2013;8(2):e54232. doi: 10.1371/journal.pone.0054232.](https://www.ncbi.nlm.nih.gov/pubmed/23393555)
19. Jensen SS, Larson T, Deepti KC, Kaufman JD. Modeling traffic air pollution in street canyons in New York City for intra-urban exposure assessment in the US Multi-Ethnic Study of atherosclerosis and air pollution. *Atmospheric Environment*. 2009;43(30):4544-4556.
20. [Jensky NE, Allison MA, Loomba R, Carnethon MR, de Boer IH, Budoff MJ, Burke GL, Criqui MH, Ix JH. Null association between abdominal muscle and calcified atherosclerosis in community-living persons without clinical cardiovascular disease: The multi-ethnic study of atherosclerosis. *Metabolism*. 2013;62(11):1562-1569.](http://www.ncbi.nlm.nih.gov/pubmed/23916063)
21. [Jensky NE, Hyder JA, Allison MA, Wong N, Aboyans V, Blumenthal RS, Schreiner P, Carr JJ, Wassel CL, Ix JH, Criqui MH. The association of bone density and calcified atherosclerosis is stronger in women without dyslipidemia: The multi-ethnic study of atherosclerosis. *J Bone Miner Res*. 2011;26(11):2702-2709. doi: 10. 1002/jbmr.469.](http://www.ncbi.nlm.nih.gov/pubmed/21834088)
22. [Jerosch-Herold M, Vazquez G, Wang L, Jacobs DR Jr, Folsom AR. Variability of Myocardial Blood Flow Measurements by Magnetic Resonance Imaging in the Multi-Ethnic Study of Atherosclerosis. *Invest Radiol*. 2008;43(3):155-161.](http://www.ncbi.nlm.nih.gov/pubmed/18301311?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
23. [Jiang R, Jacobs DR, He K, Hoffman E, Hankinson J, Nettleton JA, Barr RG. Associations of dairy intake with CT lung density and lung function. *J Am Coll Nutr*. 2010;29(5):494-502.](http://www.ncbi.nlm.nih.gov/pubmed/21504976)
24. [Jiang R, Jacobs DR, Jr., Mayer-Davis E, Szklo M, Herrington D, Jenny NS, Kronmal R, Barr RG. Nut and seed consumption and inflammatory markers in the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2006;163(3):222-231.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16357111)
25. [Joehanes R, Just AC, Marioni RD, Pilling LC, Reynolds LM, Mandaviya PR, Guan W, Xu T, Elks CE, Aslibekyan S, Moreno-Marcias H, Smith JA, Brody JA, Dhingra R, Yousefi P, Pankow JS, Kunze S, Shah SH, McRae AF, Lohman K, Sha J, Absher DM, Ferrucci L, Zhao W, Demerath EW, Bressler J, Grove ML, Huan T, Liu C, Mendelson MM, Yao C, Kiel DP, Peters A, Wang-Sattler R, Visscher PM, Wray NR, Starr JM, Ding J, Rodriguez CJ, Wareham NJ, Irvin MR, Zhi D, Barrdhal M, Vineis P, Ambatipudi S, Uitterlinden AG, Hofman A, Schwartz J, Colicino E, Hou L, Vokonas PS, Hernandez DG, Singleton AB, Bandinelli S, Turner ST, Ware EB, Smith AK, Klengel T, Binder EB, Psaty BM, Taylor KD, Gharib SA, Swenson BR, Liang L, DeMeo DL, O’Connor GT, Herceg Z, Ressler KJ, Conneely KN, Sotoodehnia N, Kardia SL, Melzer D, Barccarelli AA, van Meurs JB, Romieu I, Arnett DK, Ong KK, Liu Y, Waldenberger M, Deary IJ, Fornage M, Levy D, London SJ. Epigenetic Signatures of Cigarette Smoking. *Circ* *Cardiovasc Genet*. 2016;9(5):436-447.](https://www.ncbi.nlm.nih.gov/pubmed/?term=PMID%3A+27651444)
26. [Johansen MC, Ye W, Gross A, Gottesman RF, Han D, Whitney R, Briceno EM, Giordani BJ, Shore S, Elkind MSV, Manly JJ, Sacco RL, Fohner A, Griswold M, Psaty BM, Sidney S, Sussman J, Yaffe K, Moran AE, Heckbert S, Hughes TM, Galecki A, Levine DA. Association Between Acute Myocardial Infarction and Cognition. *JAMA Neurol*. 2023;80(7):723-731.](https://pubmed.ncbi.nlm.nih.gov/37252710/)
27. [Johnson C, Giles JT, Bathon J, Lederer D, Hoffman EA, Barr RG, Danoff SK. Smoking and Subclinical ILD in RA versus the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2016;11(4):e0153024. doi: 10.1371/journal pone.0153024. eCollection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Smoking+and+Subclinical+ILD+in+RA+versus+the+Multi-Ethnic+Study+of+Atherosclerosis)
28. [Johnson DA, Hirsch JA, Moore KA, Redline S, Diez Roux AV. Associations Between the Built Environment and Objective Measures of Sleep: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2018;187(5):941-950.](https://www.ncbi.nlm.nih.gov/pubmed/29547912)
29. [Johnson DA, Lane J, Wang R, Reid M, Djonlagic I, Fitzpatrick AL, Rapp SR, Charles LE, O’Hara R, Saxena R, Redline S. Greater Cognitive Deficits with Sleep-Disordered Breathing among Individuals with Genetic Susceptibility to Alzheimer Disease. The Multi-Ethnic Study of Atherosclerosis. *Ann Am Thorac Soc*. 2017;14(11):1697-1705.](https://www.ncbi.nlm.nih.gov/pubmed/28731362)
30. [Johnson DA, Simonelli G, Moore K, Billings M, Mujahid MS, Rueschman M, Kawachi I, Redline S, Diez Roux AV, Patel SR. The Neighborhood Social Environment and Objective Measures of Sleep in the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2017;40(1). doi: 10.1093/sleep/zsw016.](https://www.ncbi.nlm.nih.gov/pubmed/28364474)
31. [Jones MR, Diez-Roux AV, Hajat A, Kershaw KN, O’Neill MS, Guallar E, Post WS, Kaufman JD, Navas-Acien A. Race/Ethnicity, Residential Segregation, and Exposure to Ambient Air Pollution: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Public Health*. 2014;104(11):2130-2137.](http://www.ncbi.nlm.nih.gov/pubmed/25211756)
32. [Jones MR, Diez-Roux AV, O’Neill MS, Guallar E, Sharrett AR, Post W, Kaufman JD, Navas-Acien A. Ambient air pollution and racial/ethnic differences in carotid intima-media thickness in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Epidemiol Community Health*. 2015;69(12):1191-1198.](http://www.ncbi.nlm.nih.gov/pubmed/26142402)
33. [Jones MR, Magid HS, Al-Rifai M, McEvoy JW, Kaufman JD, Hinckley Stukovsky KD, Szklo M, Polak J, Burke GL, Post WS, Blaha MJ, Navas-Acien A. Secondhand Smoke Exposure and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2016;5(12). pii: e002965.](https://www.ncbi.nlm.nih.gov/pubmed/27993830)
34. [Jones MR, Tellez-Plaza M, Vaidya D, Grau M, Francesconi KA, Goessler W, Guallar E, Post WS, Kaufman JD, Navas-Acien A. Estimation of Inorganic Arsenic Exposure in Populations With Frequent Seafood Intake: Evidence From MESA and NHANES. *Am J Epidemiol*. 2016;184(8):590-602.](https://www.ncbi.nlm.nih.gov/pubmed/27702745)
35. [Jones MR, Tellez-Plaza M, Vaidya D, Grau-Perez M, Post WS, Kaufman JD, Guallar E, Francesconi KA, Goessler W, Nachman KE, Sanchez TR, Navas-Acien A. Ethnic, geographic and dietary differences in arsenic exposure in the multi-ethnic study of atherosclerosis (MESA). *J Expo Sci Environ Epidemiol*. 2019;29(3):310-322.](https://www.ncbi.nlm.nih.gov/pubmed/29795237)
36. [Jones SA, Li Q, Aiello AE, O’Rand AM, Evenson KR. Physical Activity, Sedentary Behavior, and Retirement: The Multi-Ethnic Study of Atherosclerosis. *Am J Prev Med*. 2018;54(6):786-794.](https://www.ncbi.nlm.nih.gov/pubmed/29650285)
37. [Jones SA, Li Q, Aiello AE, O’Rand AM, Evenson KR. Correlates of changes in walking during the retirement transition: The Multi-Ethnic Study of Atherosclerosis. *Prev Med Rep*. 2018;11:221-230.](https://www.ncbi.nlm.nih.gov/pubmed/30210994)
38. [Jordan JH, Vasu S, Morgan TM, D’Agostino RB Jr, Melendez GC, Hamilton CA, Aria AE, Liu S, Liu CY, Lima JA, Bluemke DA, Burke GL, Hundley WG. Anthracycline-Associated T1 Mapping Characteristics Are Elevated Independent of the Presence of Cardiovascular Comorbidities in Cancer Survivors. *Circ Cardiovasc Imaging*. 2016;9(8). pii: e004325. doi: 10.1161/CIRCIMAGING.115.004325.](http://www.ncbi.nlm.nih.gov/pubmed/27502058)
39. [Jorgensen NW, Sibley CT, McClelland RL. Using imputed pre-treatment cholesterol in a propensity score model to reduce confounding by indication: results from the multi-ethnic study of atherosclerosis. *BMC Med Res Methodol*. 2013;13(1)81.](http://www.ncbi.nlm.nih.gov/pubmed/23800038)
40. [Joseph JJ, Echouffo-Tcheugui JB, Carnethon MR, Bertoni AG, Shay CM, Ahmed HM, Blumenthal RS, Cushman M, Golden SH. The association of ideal cardiovascular health with incident type 2 diabetes mellitus: the Multi-Ethnic Study of Atherosclerosis. *Diabetologia*. 2016;59(9):1893-1903.](http://www.ncbi.nlm.nih.gov/pubmed/27272340)
41. [Joseph JJ, Echouffo Tcheugui JB, Effoe VS, Hsueh WA, Allison MA, Golden SH. Renin-Angiotensin-Aldosterone System, Glucose Metabolism and Incident Type 2 Diabetes Mellitus: MESA. *J Am Heart Assoc*. 2018;7(17):e009890. doi: 10.1161/JAHA.118.009890.](https://www.ncbi.nlm.nih.gov/pubmed/30371168)
42. [Joseph JJ, Echouffo-Tcheugui JB, Golden SH, Chen H, Jenny NS, Carnethon MR, Jacobs D Jr, Burke GL, Vaidya D, Ouyang P, Bertoni AG. Physical activity, sedentary behaviors and the incidence of type 2 diabetes mellitus: The Multi-Ethnic Study of Atherosclerosis (MESA). *BMJ Open Diabetes Research Res Care*. 2016;4(1):e000185. doi: 10.1136/bmjdrc-2015-000185. eCollection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/27403323)
43. [Joseph JJ, Wang X, Diez Roux AV, Sanchez BN, Seeman TE, Needham BL, Golden GH. Antecedent longitudinal changes in body mass index are associated with diurnal cortisol curve features: The multi-ethnic study of atherosclerosis. *Metabolism*. 2017;68:95-107.](https://www.ncbi.nlm.nih.gov/pubmed/28183457)
44. [Joseph JJ, Wang X, Spanakis E. Seeman T, Wand G, Needham B, Golden SH. Diurnal salivary cortisol, glycemia and insulin resistance: The multi-ethnic study of atherosclerosis. *Psychoneuroendocrinology*. 2015;62:327-335.](http://www.ncbi.nlm.nih.gov/pubmed/26356041)
45. [Joshi PH, Blaha MJ, Budoff MJ, Miedema MD, McClelland RL, Lima JAC, Agatston AS, Blankstein R, Blumenthal RS, Nasir K. The 10-Year Prognostic Value of Zero and Minimal CAC. *JACC Cardiovascular Imaging*. 2017:10(8):957-958.](https://www.ncbi.nlm.nih.gov/pubmed/28797418)
46. [Joshi PH, Patel B, Blaha MJ. Berry JD, Blankstein R, Budoff MJ, Wong N, Agatston A, Blumenthal RS, Nasir K. Coronary artery Calcium predicts Cardiovascular events in participants with a low lifetime risk of Cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2016;246:367-373.](http://www.ncbi.nlm.nih.gov/pubmed/26841074)
47. [Judson GL, Rubinsky AD, Shlipak MG, Katz R, Kramer H, Jacobs DR. Jr, Odden MC, Peralta CA. Longitudinal Blood Pressure Changes and Kidney Function Decline in Persons Without Chronic Kidney Disease: Findings From the MESA Study. *Am J Hypertens*. 2018;31(5):600-608.](https://www.ncbi.nlm.nih.gov/pubmed/29036269)
48. [Kaiser P, Auchincloss AH, Moore K, Sanchez BN, Berrocal V, Allen N, Roux AV. Associations of neighborhood socioeconomic and racial/ethnic characteristics with change in survey-based neighborhood quality, 2000-2011. *Health Place*. 2016;42:30-36.](https://www.ncbi.nlm.nih.gov/pubmed/27614064)
49. [Kaiser P, Diez Roux AV, Mujahid M, Carnethon M, Bertoni A, Adar SD, Shea S, McClelland R, Lisabeth L. Neighborhood Environments and Incident Hypertension in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2016;183(11):988-997.](http://www.ncbi.nlm.nih.gov/pubmed/27188946)
50. [Kaiser P, Peralta CA, Kronmal R, Shlipak MG, Psaty BM, Odden MC. Racial/ethnic heterogeneity in associations of blood pressure and incident cardiovascular disease by functional status in a prospective cohort: the Multi-Ethnic Study of Atherosclerosis. *BMJ Open*. 2018;8(2):e017746. doi: 10.1136/bmjopen-2017-017746.](https://www.ncbi.nlm.nih.gov/pubmed/29476026)
51. [Kakadiaris IA, Vrigkas M, Yen AA, Kuznetsova T, Budoff M, Naghavi M. Machine Learning Outperforms ACC / AHA CVD Risk Calculator in MESA. *J Am Heart Assoc*. 2018;7(22):e009476. doi: 10.1161/JAHA.118.009476.](https://www.ncbi.nlm.nih.gov/pubmed/30571498)
52. [Kalyani RR, Franco M, Dobs AS, Ouyang P, Vaidya D, Bertoni A, Gapstur SM, Golden SH. The association of endogenous sex hormones, adiposity, and insulin resistance with incident diabetes in postmenopausal women. *J Clin Endocrinol Metab*. 2009;94(11):4127-4135.](http://www.ncbi.nlm.nih.gov/pubmed/19789205?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
53. [Kalyani RR, Lazo M, Ouyang P, Turkbey E, Chevalier K, Brancati F, Becker D, Vaidya D. Sex differences in diabetes and risk of incident coronary artery disease in healthy young and middle-aged adults. *Diabetes Care*. 2014;37(3):830-838.](http://www.ncbi.nlm.nih.gov/pubmed/24178997)
54. [Kamel H, Soliman EZ, Heckbert SR, Kronmal RA, Longstreth WT Jr, Nazarian S, Okin PM. P-wave morphology and the risk of incident ischemic stroke in the multi-ethnic study of atherosclerosis. *Stroke*. 2014;45(9):2786-2788.](http://www.ncbi.nlm.nih.gov/pubmed/25052322)
55. [Kanaya AM, Dobrosielski DA, Ganz P, Creasman J, Gupta R, Nelcanti V, Vogel-Claussen J, Herrington D. Glycemic associations with endothelial function and biomarkers among 5 ethnic groups: the multi-ethnic study of atherosclerosis and the mediators of atherosclerosis in South asians living in america studies. *J Am Heart Assoc*. 2013;2(1)e004283. doi: 10.1161/JAHA.112.004283.](http://www.ncbi.nlm.nih.gov/pubmed/23525433)
56. [Kanaya AM, Herrington D, Vittinghoff E, Ewing SK, Liu K, Blaha MJ, Dave SS, Qureshi F, Kandula NR. Understanding the High Prevalence of Diabetes in U.S. South Asians Compared with Four Racial/Ethnic Groups: The MASALA and MESA Studies. *Diabetes Care*. 2014;37(6):1621-1628.](http://www.ncbi.nlm.nih.gov/pubmed/24705613)
57. [Kanaya AM, Kandula NR, Ewing SK, Herrington D, Liu K, Blaha MJ, Srivastava S, Dave SS, Budoff MJ. Comparing coronary artery calcium among U.S. South Asians with four racial/ethnic groups: The MASALA and MESA studies. *Atherosclerosis*. 2014;234(1):102-107.](http://www.ncbi.nlm.nih.gov/pubmed/24632509)
58. [Kanaya AM, Vittinghoff E, Lin F, Kandula NR, Herrington D, Liu K, Blaha M, Budoff MJ. Incidence and Progression of Coronary Artery Calcium in South Asians Compared With 4 Race/Ethnic Groups. *J Am Heart Assoc*. 2019;8(2):e011053. doi: 10.1161/JAHA.118.011053.](https://www.ncbi.nlm.nih.gov/pubmed/30630376)
59. [Kanaya AM, Wassel CL, Mathur D, Stewart A, Herrington D, Budoff MJ, Ranpura V, Liu K. Prevalence and correlates of diabetes in South asian indians in the United States: findings from the metabolic syndrome and atherosclerosis in South asians living in America study and the multi-ethnic study of atherosclerosis. *Metab Syndr Relat Discord*. 2010;8(2):157-164.](http://www.ncbi.nlm.nih.gov/pubmed/19943798)
60. [Kandula NR, Diez-Roux AV, Chan C, Daviglus ML, Jackson SA, Ni H, Schreiner PJ. Association of acculturation levels and prevalence of diabetes in the multi-ethnic study of atherosclerosis (MESA). *Diabetes Care*. 2008;31(8):1621-1628.](http://www.ncbi.nlm.nih.gov/pubmed/18458142?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
61. [Kanjanauthai S, Nasir K, Katz R, Rivera JJ, Takasu J, Blumenthal RS, Eng J, Budoff MJ. Relationships of mitral annular calcification to cardiovascular risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2010;213(2):558-562.](http://www.ncbi.nlm.nih.gov/pubmed/20926076)
62. [Kapoor K, Alfaddagh A, Al Rifai M, Bhatt DL, Budoff MJ, Nasir K, Miller M, Welty FK, McEvoy JW, Dardari Z, Shapiro MD, Blumenthal RS, Tsai MY, Blaha MJ. Association Between Omega-3 Fatty Acid Levels and Risk for Incident Major Bleeding Events and Atrial Fibrillation: MESA. *J Am Heart Assoc*. 2021;10(11):e021431. doi: 10.1161/JAHA.121.021431.](https://pubmed.ncbi.nlm.nih.gov/34041918/)
63. [Kapoor K, Fashanu O, Post WS, Lutsey PL, Michos ED, deFilippi CR, McEvoy JW. Relation of Dietary Sodium Intake With Subclinical Markers of Cardiovascular Disease (from MESA). *Am J Cardiol*. 2019;124(4):636-643.](https://www.ncbi.nlm.nih.gov/pubmed/31300201)
64. [Karger AB, Steffen BT, Nomura SO, Guan W, Garg PK, Szklo M, Budoff MJ, Tsai MY. Association Between Homocysteine and Vascular Calcification Incidence, Prevalence, and Progression in the MESA Cohort. *J Am Heart Assoc*. 2020;9(3):e013934. doi: 10.1161/JAHA.119.013934.](https://www.ncbi.nlm.nih.gov/pubmed/32013703)
65. [Karger AB, Guan W, Nomura SO, Weir NL, Klein BEK, Burke GL, Johnson WC, Tsai MY. ASSOCIATION OF PLASMA ω-3 FATTY ACIDS WITH EARLY AGE-RELATED MACULAR DEGENERATION IN THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS. *Retina*. 2022;42(7):1384-1391.](https://pubmed.ncbi.nlm.nih.gov/35271555/)
66. [Katz DH, Tahir UA, Avila-Pachecho J, Bick AG, Pampana A, Robbins JM, Yu Z, Chen ZZ, Benson MD, Cruz DE, Ngo D, Deng S, Shi X, Zheng S, Eisman AS, Farrell L, Hall ME, Correa A, Tracy RP, Durda P, Taylor KD, Liu Y, Johnson WC, Guo X, Yao J, Chen YDI, Manichaikul AW, Ruberg FL, Blaner WS, Jain D; NHLBI Trans-Omics for Precision Medicine 1 Consortium; Bouchard C, Sarznyski MA, Rich SS, Rotter JI, Wang TJ, Wilson JG, Clish CB, Natarajan P, Gerszten RE. Whole Genome Association Study of the Plasma Metabolome Identifies Metabolites Linked to Cardiometabolic Disease in Black Individuals. *Nat Commun*. 2022;13(1):4923. doi: 10.1038/s41467-022-32275-3.](https://pubmed.ncbi.nlm.nih.gov/35995766/)
67. [Katz DH, Tahir UA, Bick AG, Pampana A, Ngo D, Benson MD, Yu Z, Robbins JM, Chen ZZ, Cruz DE, Deng S, Farrell L, Sinha S, Schmaier AA, Shen D, Gao Y, Hall ME, Correa A, Tracy RP, Durda P, Taylor KD, Liu Y, Johnson WC, Guo X, Yao J, Chen YDI, Manichaikul AW, Jain D, Bouchard C, Sarzynski MA, Rich SS, Rotter JI, Wang TJ, Wilson JG, Natarajan P, Gerszten RE, National Heart, Lung, and Blook Institute TOPMed (Trans-Omics for Precision Medicine) Consortium. *Circulation*. 2022;145(5):357-370.](https://pubmed.ncbi.nlm.nih.gov/34814699/)
68. [Katz R, Budoff MJ, O’Brien KD, Wong ND, Nasir K. The metabolic syndrome and diabetes mellitus as predictors of thoracic aortic calcification as detected by non-contrast computed tomography in the Multi-Ethnic Study of Atherosclerosis. *Diabet Med*. 2016;33(7):912-919.](http://www.ncbi.nlm.nih.gov/pubmed/26341116)
69. [Katz R, Budoff MJ, Takasu J, Shavelle DM, Bertoni A, Blumenthal RS, Ouyang P, Wong ND, O’Brien KD. Relationship of metabolic syndrome with incident aortic valve calcium and aortic valve calcium progression: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes*. 2009;58(4):813-819.](http://www.ncbi.nlm.nih.gov/pubmed/19136658?ordinalpos=12&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
70. [Katz R, Wong ND, Kronmal R, Takasu J, Shavelle DM, Probstfield JL, Bertoni AG, Budoff MJ, O'Brien KD. Features of the metabolic syndrome and diabetes mellitus as predictors of aortic valve calcification in the Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2006;113(17):2113-2119.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16636166)
71. [Kaufman JD, Adar SD, Allen RW, Barr RG, Budoff MJ, Burke GL, Casillas AM, Cohen MA, Curl CL, Daviglus ML, Roux AV, Jacobs DR Jr, Kronmal RA, Larson TV, Liu SL, Lumley T, Navas-Acien A, O’Leary DH, Rotter JI, Sampson PD, Sheppard L, Siscovick DS, Stein JH, Szpiro AA, Tracy RP. Prospective Study of Particulate Air Pollution Exposures, Subclinical Atherosclerosis, and Clinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *Am J Epidemiol*. 2012;176(9):825-837.](http://www.ncbi.nlm.nih.gov/pubmed/23043127)
72. [Kaufman JD, Adar SD, Barr RG, Budoff M, Burke GL, Curl CL, Daviglus ML, Diez Roux AV, Gassett AJ, Jacobs DR Jr, Kronmal R, Larson TV, Navas-Acien A, Olives C, Sampson PD, Sheppard L, Siscovick DS, Stein JH, Szpiro AA, Watson KE. Association between air pollution and coronary artery calcification within six metropolitan areas in the USA (the Multi-Ethnic Study of Atherosclerosis and Air Pollution): a longitudinal cohort study. *Lancet*. 2016;388(10045):696-704.](http://www.ncbi.nlm.nih.gov/pubmed/27233746)
73. [Kaufmann MR, Barr RG, Lima JA, Praestgaard A, Jain A, Tandri H, Bluemke DA, Kawut SM. Right ventricular morphology and the onset of dyspnea: the MESA-right ventricle study. *PLoS One*. 2013;8(2):e56826. doi: 10.1371/journal.pone.0056826.](http://www.ncbi.nlm.nih.gov/pubmed/23457622)
74. [Kavousi M, Desai CS, Ayers C, Blumenthal RS, Budoff MJ, Mahabadi AA, Ikram MA, van der Lugt A, Hofman A, Erbel R, Khera A, Geisel MH, Jockel KH, Lehmann N, Hoffman U, O’Donnell CJ, Massaro JM, Liu K, Molenkamp S, Ning H, Franco OH, Greenland P. Prevalence and Prognostic Implications of Coronary Artery Calcification in Low-Risk Women: A Meta-analysis. *JAMA*. 2016;316(20):2126-2134.](https://www.ncbi.nlm.nih.gov/pubmed/27846641)
75. [Kawasaki R, Cheung N, Islam FM, Klein R, Klein BE, Cotch MF, Sharrett AR, O’Leary D, Wong TY; Multi-Ethnic Study of Atherosclerosis. Is Diabetic Retinopathy Related to Subclinical Cardiovascular Disease? *Ophthalmology*. 2011;118(5):860-865.](http://www.ncbi.nlm.nih.gov/pubmed/21168222)
76. [Kawasaki R, Cheung N, Wang JJ, Klein R, Klein BE, Cotch MF, Sharrett AR, Shea S, Islam FA, Wong TY. Retinal vessel diameters and risk of hypertension: The Multiethnic Study of Atherosclerosis. *J Hypertens*. 2009;27(12):2386-2393.](http://www.ncbi.nlm.nih.gov/pubmed/19680136?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=5)
77. [Kawasaki R, Xie J, Cheung N, Lamoureux E, Klein R, Klein BE, Cotch MF, Sharrett AR, Shea S, Wong TY: for MESA. Retinal Microvascular Signs and Risk of Stroke: The Multi-Ethnic Study of Atherosclerosis (MESA). *Stroke*. 2012;43(12):3245-3251.](http://www.ncbi.nlm.nih.gov/pubmed/23111439)
78. [Kawel N, Nacif M, Arai AE, Gomes AS, Hundley WG, Johnson WC, Prince MR, Stacey RB, Lima JA, Bluemke DA. Trabeculated (noncompacted) and compact myocardium n adults: the multi-ethnic study of atherosclerosis. *Circ Cardiovasc Imaging*. 2012;5(3):357-366.](http://www.ncbi.nlm.nih.gov/pubmed/22499849)
79. [Kawel N, Turkbey EB, Carr JJ, Eng J, Gomes AS, Hundley WG, Johnson C, Masri SC, Prince MR, van der Geest RJ, Lima JA, Bluemke DA. Normal left ventricular myocardial thickness for middle-aged and older subjects with steady-state free precession cardiac magnetic resonance: the multi-ethnic study of atherosclerosis. *Circ Cardiovasc Imaging*. 2012;5(4):500-508.](http://www.ncbi.nlm.nih.gov/pubmed/22705587)
80. [Kawel-Boehm N, Kronmal R, Eng J, Folsom A, Burke G, Carr JJ, Shea S, Lima JAC, Bluemke DA. Left Ventricular Mass at MRI and Long-term Risk of Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis (MESA). *Radiology*. 2019;293(1):107-114.](https://www.ncbi.nlm.nih.gov/pubmed/31453766)
81. [Kawel-Boehm N, McClelland RL, Zemrak F, Captur G, Hundley WG, Liu CY, Moon JC, Petersen SE, Ambale-Venkatesh B, Lima JAC, Bluemke DA. Hypertrabeculated Left Ventricular Myocardium in Relationship to Myocardial Function and Fibrosis: The Multi-Ethnic Study of Atherosclerosis. *Radiology*. 2017;284(3):667-675.](https://www.ncbi.nlm.nih.gov/pubmed/28418811)
82. [Kawut SM, Barr RG, Johnson WC, Chahal H, Tandri H, Jain A, Bristow MR, Kizer JR, Bagiella E, Lima JA, Bluemke DA. Matrix metalloproteinase-9 and plasminogen activator inhibitor-1 are associated with right ventricular structure and function: The MESA-RV Study. *Biomarkers*. 2010;15(8):731-738.](http://www.ncbi.nlm.nih.gov/pubmed/20923324)
83. [Kawut SM, Barr RG, Lima JA, Praestgaard A, Johnson WC, Chahal H, Ogunyankin KO, Bristow MR, Kizer JR, Tandri H, Bluemke DA. Right Ventricular Structure Is Associated With the Risk of Heart Failure and Cardiovascular Death: The Multi-Ethnic Study of Atherosclerosis (MESA)-Right Ventricle Study. *Circulation*. 2012;126(14):1681-1688.](http://www.ncbi.nlm.nih.gov/pubmed/22932258)
84. [Kawut SM, Lima JA, Barr RG, Chahal H, Jain A, Tandri H, Praestgaard A, Bagiella E, Kizer JR, Johnson WC, Kronmal RA, Bluemke DA. Sex and race differences in right ventricular structure and function: the multi-ethnic study of atherosclerosis-right ventricle study. *Circulation*. 2011;123(22):2542-2551.](http://www.ncbi.nlm.nih.gov/pubmed/21646505)
85. [Kawut SM, Poor HD, Parikh MA, Hueper K, Smith BM, Bluemke DA, Lima JA, Prince MR, Hoffman EA, Austin JH, Vogel-Claussen J, Barr RG. Cor Pulmonale Parvus in Chronic Obstructive Pulmonary Disease and Emphysema: The MESA COPD Study. *J Am Coll Cardiol*. 2014;64(19):2000-2009.](http://www.ncbi.nlm.nih.gov/pubmed/25440095)
86. [Kawut SM, Ventetuolo CE, Mitra N, Wan F, Manichaikul A, Barr RG, Johnson C, Bluemke DA, Lima JA, Tandri H, Ouyang P. Oestradiol metabolism and androgen receptor genotypes are associated with right ventricular function. *Eur Respir J*. 2016;47(2):553-563.](http://www.ncbi.nlm.nih.gov/pubmed/26647441)
87. [Kazibwe R, Chevli PA, Evans JK, Allison M, Michos ED, Wood AC, Ding J, Shapiro MD, Mongraw-Chaffin M. Association Between Alcohol Consumption and Ectopic Fat in the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2023;12(18):e030470. doi: 10.1161/JAHA.123.030470.](https://pubmed.ncbi.nlm.nih.gov/37681576/)
88. [Kazzi B, Ogunmoroti O, Rodriguez CP, Zhao D, Minhas AS, Osibogun O, Subramanya V, Allison MA, Ouyang P, Michos ED. Parity History and Later Life Sex Hormone Levels in the Multi-Ethnic Study of Atherosclerosis (MESA). *Can J Cardiol*. 2022;38(12):1893-1900.](https://pubmed.ncbi.nlm.nih.gov/36087657/)
89. [Keaton JM, Gao C, Guan M, Hellwege JN, Palmer ND, Pankow JS, Fornage M, Wilson JG, Correa A, Rasmussen-Torvik LJ, Rotter JI, Chen YI, Taylor KD, Rich SS, Wagenknecht LE, Freedman BI, Ng MCY, Bowden DW. Genome-wide interaction with the insulin secretion locus MTNR1B reveals CMIP as a novel type 2 diabetes susceptibility gene in African Americans. *Genet Epidemiol*. 2018;42(6):559-570.](https://www.ncbi.nlm.nih.gov/pubmed/29691896)
90. [Keaton JM, Hellwege JN, Ng MC, Palmer ND, Pankow JS, Fornage M, Wilson JG, Correa A, Rasmussen-Torvik LJ, Rotter JI, Chen YD, Taylor KD, Rich SS, Wagenknecht LE, Freedman BI, Bowden DW. Genome-Wide Interaction with Insulin Secretion Loci Reveals Novel Loci for Type 2 Diabetes in African Americans. *PLoS One*. 2016;11(7):e0159977. doi: 10/137/journal.pone.0159977. eCollection 2016.](https://www.ncbi.nlm.nih.gov/pubmed/27448167)
91. [Keet C, McGowan EC, Jacobs D, Post WS, Richards NE, Workman LJ, Platts-Mills TAE, Manichaikul A, Wilson JM. IgE to common food allergens is associated with cardiovascular mortality in the National Health and Examination Survey and the Multi-Ethnic Study of Atherosclerosis. *J Allergy Clin Immunol*. 2024;153(2):471-478.e3.](https://pubmed.ncbi.nlm.nih.gov/37943208/)
92. [Keith RJ, Al Rifai M, Carruba C, De Jarnett N, McEvoy JW, Bhatnagar A, Blaha M J, Defilippis AP. Tobacco Use, Insulin Resistance, and Risk of Type 2 Diabetes: Results from the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2016;11(6):e0157592. doi: 10.1371/journal.pone.0157592. eCollection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/27322410)
93. [Keller C, Katz R, Cushman M, Fried LF, Shlipak M. Association of kidney function with inflammatory and procoagulant markers in a diverse cohort: a cross-sectional analysis from the Multi-Ethnic Study of Atherosclerosis (MESA). *BMC Nephrol*. 2008;9:9.](http://www.ncbi.nlm.nih.gov/pubmed/18681974?ordinalpos=12&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
94. [Keller JP, Larson TV, Austin E, Barr RG, Sheppard L, Vedal S, Kaufman JD, Szpiro AA. Pollutant composition modification of the effect of air pollution on progression of coronary artery calcium: the Multi-Ethnic Study of Atherosclerosis. *Environ Epidemiol*. 2018;2(3). pii: e024. doi: 10.1097/EE9.0000000000000024.](https://www.ncbi.nlm.nih.gov/pubmed/30854505)
95. [Keller JP, Olives C, Kim SY, Sheppard L, Sampson PD, Szpiro AA, Oron AP, Lindstrom J, Vedal S, Kaufman JD. A Unified Spatiotemporal Modeling Approach for Predicting Concentrations of Multiple Air Pollutants in the Multi-Ethnic Study of Atherosclerosis and Air Pollution. *Environ Health Perspect*. 2015;123(4):301-309.](http://www.ncbi.nlm.nih.gov/pubmed/25398188)
96. [Keller JP, Rice KM. Selecting Shrinkage Parameters for Effect Estimation: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemio*l. 2018;187(2):358-365.](https://www.ncbi.nlm.nih.gov/pubmed/28992037)
97. [Kelly TN, Pan Y, Sun Mi X, Huang Z, Hsu Y, Hixson JE, Munzy D, Metcalf G, Franceschini N, Tin A, Kottgen A, Francis M; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium TOPMed Kidney Function Working Group; Brody JA, Kestenbaum B, Sitlani CM, Mychaleckyj, Kramer H, Lange LA, Guo X, Hwang SJ, Irvin MR, Smith JA, Yanek LR, Vaidya D, Chen YDI, Fornage M, Lloyd-Jones DM, Hou L, Mathias RA, Mitchell BD, Peyser PA, Kardia SLR, Arnett DK, Correa A, Raffield LM, Vasan RS, Cupple LA, Levy D, Kaplan RC, North KE, Rotter JI, Kooperberg C, Reiner AP, Psaty BM, Tracy RP, Gibbs RA, Morrison AC, Feldman H, Boerwinkle E, He J; CRIC Study Investigators. Whole-exome sequencing study identifies four novel gene loci associated with diabetic kidney disease. *Hum Mol Genet*. 2023;32(6):1048-1060.](https://pubmed.ncbi.nlm.nih.gov/36444934/)
98. [Kenchaiah S, Ding J, Carr JJ, Allison M, Budoff M, Tracy RP, Burke GL, McClelland RL, Arai AE, Bluemke DA. Pericardial Fat and the Risk of Heart Failure. *J Am Coll Cardiol*. 2021;77(21):2638-2652.](https://pubmed.ncbi.nlm.nih.gov/34045020/)
99. [Kendrick JB, Zelnick L, Chonchol MB, Siscovick D, Hoofnagle AN, Ix JH, Sarnak M, Shlipak MG, Kestenbaum B, de Boer IH. Serum Bicarbonate Is Associated with Heart Failure in the Multi-Ethnic Study of Atherosclerosis. *Am J Nephrol*. 2017;45(2):118-126.](https://www.ncbi.nlm.nih.gov/pubmed/27941322)
100. [Kern DM, Auchincloss AH, Stehr MF, Diez Roux AV, Moore KA, Kanter GP, Robinson LF. Neighborhood price of healthier food relative to unhealthy food and its association with type 2 diabetes and insulin resistance: The multi-ethnic Study of atherosclerosis. *Prev Med*. 2018;106:122-129.](https://www.ncbi.nlm.nih.gov/pubmed/29106915)
101. [Kern DM, Auchnicloss AH, Stehr MF, Roux AVD, Moore LV, Kanter GP, Robinson LF. Neighborhood Prices of Healthier and Unhealthier Foods and Associations with Diet Quality: Evidence from the Multi-Ethnic Study of Atherosclerosis. *Int J Environ Res Public Health*. 2017;14(11). pii: E1394. doi: 10.3390/ijerph14111394.](https://www.ncbi.nlm.nih.gov/pubmed/29144387)
102. [Kerr KF, den Hoed M, Eijgelsheim M, Esko T, Brundel BJ, Peal DS, Evans DM, Notle IM, Segre AV, Holm H, Handsaker RE, Westra HJ, Johnson T, Isaacs A, Yang J, Lundby A, Zhao JH, Kim YJ, Go MJ, Almgren P, Bochud M, Boucher G, Cornelis MC, Gudbjartsson D, Hadley D, van der Harst P, Hayward C, den Heijer M, Igl W, Jackson AU, Kutalik Z, Luan J, Kemp JP, Kristiansson K, Ladenvall C, Lorentzon M, Montasser ME, Njajou OT, O’Reilly PF, Padmanabhan S, St Pourcain B, Rankinen T, Salo P, Tanaka T, Timpson NJ, Vitart V, Waite L, Wheeler W, Zhang W, Draisma HH, Feitosa MF, Lind PA, Mihailov E, Onland-Moret NC, Song C, Weedon MN, Xie W, Yengo L, Absher D, Albert CM, Alonso A, Arking DE, de Bakker PI, Balkau B, Barlassina C, Benaglio P, Bis JC, Bouatia-Naji N, Brage S, Chanock SJ, Chines PS, Chung M, Darber D, Dina C, Dorr M, Elliott P, Felix SB, Fischer K, Fuchsberger S, de Geus EJ, Goyette P, Gudnason V, Harris TB, Hartikainen AL, Havulinna AS, Heckbert SR, Hicks AA, Hofman A, Hoewijn S, Hoogstra-Berends F, Hottenga JJ, Jensen MK, Johansson A, Junttila J, Kaab S, Kanon B, Ketkar S, Khaw KT, Knowles JW, Kooner AS, Kors JA, Kumari M, Milani L, Laiho P, Lakatta EG, Langenberg C, Leusink M, Liu Y, Luben RN, Lunetta KL, Lynch SN, Markus MR, Marques-Vidal P, Mateo Leach I, McArdle WL, McCarroll SA, Medland SE, Miller KA, Montgomery GW, Morrison AC, Muller-Nurasyid M, Navarro P, Nelis M, O’Connell JR, O’Donnell CJ, Ong KK, Newman AB, Peters A, Polasek O, Pouta A, Pramstaller PP, Psaty BM, Rao DC, Ring SM, Rossin EJ, Rudan D, Sanna S, Scott RA, Sehmi JS, Sharp S, Shin JT, Singleton AB, Smith AV, Soranzo N, Spector TD, Stewart C, Stringham HM, Tarasov KV, Uitterlinden AG, Vandenput L, Hwang SJ, Whitfield JB, Wijmenga C, Wild SH, Willemsen G, Wilson JF, Witteman JC, Wong A, Wong Q, Jamshidi Y, Zitting P, Boer JM, Boomsma DI, Borecki IB, van Duijn CM, Ekelung U, Forouhi NG, Froguel P, Hingorani A, Ingelsson E, Kivimaki M, Kronmal RA, Kuh D, Lind L, Martin NG, Oostra BA, Pedersen NL, Quertermous T, Rotter JI, van der Schouw YT, Verschuren WM, Walker M, Albanes D, Arnar DO, Assimes TL, Bandinelli S, Boehnke M, de Boer RA, Bouchard C, Caulfield WL, Chambers JC, Curhan G, Cusi D, Eriksson J, Ferrucci L, van Gilst WH, Glorioso N, de Graaf J, Groop L, Gyllensten U, Hsueh WC, Hu FB, Huikuri HV, Hunber DJ, Iribarren C, Isomaa B, Jarvelin MR, Jula A, Kahonen M, Keimeney LA, van der Klauw MM, Kooner JS, Kraft P, Iacoviello L, Lehtimaki T, Lokki ML, Mitchell BD, Navis G, Nieminen MS, Ohlsson C, Poulter NR, Qi L, Raiakari OT, Rimm EB, Rioux JD, Rizzi F, Ruddan I, Salomaa V, Sever PS, Shields DC, Shuldiner AR, Sinisalo J, Stanton AV, Stolk RP, Strachan DP, Tardif JC, Thorsteinsdottir U, Tuomilehto J, van Veldhuisen DJ, Virtamo J, Viikari J, Vollenwieder P, Waeber G, Widen E, Cho YS, Olsen JV, Visscher PM, Willer C, Franke L; Global BPgen Consortium; CARDIoGRAM Consortium, Erdmann J, Thompson JR; PR GWAS Consortium, Pfeufer A; QRS GWAS Consortium, Sotoodehnia N; QT-IGC Consortium, Newton-Cheh C; CHARGE-AF Consortium, Ellinor PT, Stricker BH, Metspalu A, Perola M, Beckmann JS, Smith GD, Stefansson K, Wareham NJ, Munroe PB, Sibon OC, Milan DJ, Snieder H, Samani NJ, Loos RJ. Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. *Nat Genet*. 2013;45(6):621-631.](https://www.ncbi.nlm.nih.gov/pubmed/23583979)
103. [Kerr KF, van der Harst P, van Setten J, Verweij N, Vogler G, Franke L, Maurano MT, Wang X, Mateo Leach I, Eijgelsheim M, Sotoodehnia N, Hayward C, Sorice R, Meirelles O, Lyytikainen LP, Polasek O, Tanaka T, Arking DE, Ulivi S, Trompet S, Muiller-Nurasyid M, Smith AV, Dorr M, Magnani JW, Del Greco M F, Zhang W, Nolte IM, Silva CT, Padmanabhan S, Tragante V, Esko T, Abecasis GR, Adrians ME, Anderson K, Barnett P, Bis JC, Bodmer R, Buckley BM, Campbell H, Cannon MV, Chakravarti A, Chen LY, Delitala A, Devereux RB, Doevendans PA, Dominiczak AF, Ferrucci L, Ford I, Gieger C, Harris TB, Haugen E, Heinig M, Hernandez DG, Hillege HL, Hirschhorn JN, Hofman A, Hubner N, Hwang SJ, Iorio A, Kahonen M, Kellis M, Kolcic I, Kooner IK, Kooner JS, Kors JA, Lakatta EG, Lage K, Launer EJ, Levy D, Lundby A, Macfarlane PW, May D, Meitinger T, Metspalu A, Nappo S, Naitza S, Neph S, Nord AS, Nutile T, Okin PM, Olsen JV, Oostra BA, Penninger JM, Pennacchio LA, Pers TH, Perz S, Peters A, Pinto YM, Pfeufer A, Pilia MG, Pramstaller PP, Prins BP, Raitakari OT, Raychaudhuri S, Rice KM, Rossin EJ, Rotter JI, Schafer S, Schlessinger D, Schmidt CO, Sehmi J, Sillje HHW, Sinagra G, Sinner MF, Slowikowski K, Soliman EZ, Spector TD, Spiering W, Stamatoyannopoulos JA, Stolk RP, Strauch K, Tan ST, Tarasov KV, Trinh B, Uitterlinden AG, van den Boogaard M, van Duijn CM, van Gilst WH, Viikari JS, Visscher PM, Vitart V, Voiker U, Waldenberger M, Weichenberger CX, Westra HJ, Wijmwenga C, Wolffenbuttel BH, Yang J, Bezzina CR, Munroe PB, Snieder H, Wright AF, Rudan I, Boyer LA, Asselbergs FW, van Veldhuisen DJ, Stricker BH, Psaty BM, Ciullo M, Sanna S, Lehtimaki T, Wilson JF, Bandinelli S, Alonso A, Gasparini P, Jukema JW, Kaab S, Gudnason V, Felix SB, Heckbert SR, de Boer RA, Newton-Cheh C, Hicks AA, Chambers JC, Jamshidi Y, Visel A, Christoffels VM, Issacs A, Samani NH, de Bakker PIW. 52 Genetic Loci Influencing Myocardial Mass. *J Am Coll Cardiol*. 2016;68(13):1435-1448.](https://www.ncbi.nlm.nih.gov/pubmed/27659466)
104. [Kerr KF, Wang Z, Janes H, McClelland RL, Psaty BM, Pepe MS. Net reclassification indices for evaluating risk prediction instruments: a critical review. *Epidemiology*. 2014;25(1):114-121.](http://www.ncbi.nlm.nih.gov/pubmed/24240655)
105. [Kerr KF, Wang Z, Emmerich A, Pillon NJ, Moore T, Hemerich D, Cornelis MC, Mazzaferro E, Broos S, Ahuwalia TS, Bartz TM, Bentley AR, Bielak LF, Chong M, Chu AY, Berry D, Dorajoo R, Dueker ND, Kasbohm E, Feenstra B, Feitosa MF, Gieger C, Graff M, Hall LM, Haller T, Hartwig FP, Hillis DA, Huikari V, Heard-Costa N, Holzapfel C, Jackson AU, Johansson A, Jorgensen AM, Kaakinen MA, Karlsson R, Kim B, Koolhaas CM, Kutalik Z, Lagou V, Lind PA, Lorentzon M, Lyytikainen LP, Mangino M, Metzendorf C, Monroe KR, Pacolet A, Perusse L, Pool R, Richmond RC, Rivera NV, Robiou-du-Pont S, Schraut KE, Schulz CA, Stringham HM, Tanaka T, Teumer A, Turman C, van der Most PJ, Vanmunster M, van Rooij RJA, van Vliet-Ostaptchouk JV, Zhang X, Zhao JH, Zhao W, Balkhiyarova Z, Balslev-Harder MN, Baumeister SE, Beilby J, Blangero J, Boomsma DI, Brage S, Braund PS, Brody JA, Bruinenberg M, Ekelund U, Liu CT, Cole JW, Collins FS, Cupples LA, Esko T, Enroth S, Faul JD, Fernandez-Rhodes L, Fohner AE, Franco OH, Galesloot TE, Gordon SC, Grarup N, Hartman CA, Heiss G, Hui J, Illig T, Jago R, James A, Joshi PK, Jung T, Kahonen M, Kilpelainen TO, Koh WP, Kolcic I, Kraft PP, Kuusisto J, Launer LJ, Li A, Linneberg A, Luan J, Vidal PM, Medland SE, Milaneschi Y, Moscati A, Musk B, Nelson CP, Nolte IM, Pedersen NL, Peters A, Peyser PA, Power C, Raitakari OT, Reedik M, Reiner AP, Ridker PM, Rudan I, Ryan K, Sarzynski MA, Scott LJ, Scott RA, Sidney S, Siggeirsdottir K, Smith AV, Smith JA, Sonestedt E, Strom M, Tai ES, Teo KK, Thorand B, Tonjes A, Tremblay A, Uitterlinden AG, Vangipurapu J, van Schoor N, Volker U, Wilemsen G, Williams K, Wong Q, Xu H, Young KL, Yuan JM, Zillikens MC, Boehnke M, Bouchard C, Chasman DI, Smith GD, de Geus EJC, Deldicque L, Dorr M, Evens MK, Ferrucci L, Fornage M, Fox C, Garland Jr T, Gudnason V, Gyllensten U, Hansen T, Hayward C, Horta BL, Hypponen E, Jarvelin MR, Johnson WC, Kardia SLR, Kiemeney LA, Laakso M, Langenberg C, Lehtimaki T, Le Marchand L, Lifelines Cohort Study; Magnusson PKE, Martin NG, Melbye M, Metspalu A, Meyre D, North KE, Ohlsson C, Oldehinkel AJ, Orho-Melander M, Pare G, Park T, Pedersen O, Penninx BWJH, Pers TH, Polasek O, Prokopenko I, Rotimi CN, Samani NJ, Sim X, Snieder H, Sorenson TI, van der Velde N, van Duijn CM, Vollenweider P, Volzke H, Voortman T, Waeber G, Wareham NJ, Weir DR, Wichmann HE, Wilson JF, Hevener AL, Krook A, Zierath JR, Thomis MAI, Looos RJF, den Hoed M. Genome-wide association analyses of physical activity and sedentary behavior provide insights into underlying mechanisms and roles in disease prevention. *Nat Genet*. 2022;54(9):1332-1344.](https://pubmed.ncbi.nlm.nih.gov/36071172/)
106. [Kerr Z, Evenson KR, Moore K, Block R, Diez Roux AV. Changes in walking associated with perceived neighborhood safety and police-recorded crime: The multi-ethnic study of atherosclerosis. *Prev Med*. 2015;73:88-93.](http://www.ncbi.nlm.nih.gov/pubmed/25625690)
107. [Kershaw KN, Diez Roux AV, Bertoni A, Carnethon MR, Everson-Rose SA, Liu K. Associations of chronic individual-level and neighbourhood-level stressors with incident coronary heart disease: the Multi-Ethnic Study of Atherosclerosis. *J Epidemiol Community Health*. 2015;69(2):136-141.](http://www.ncbi.nlm.nih.gov/pubmed/25271247)
108. [Kershaw KN, Diez Roux AV, Carnethon M, Darwin C, Goff DC Jr, Post W, Schreiner PJ, Watson K. Geographic variation in hypertension prevalence among blacks and whites: the multi-ethnic study of atherosclerosis. *Am J Hypertens*. 2010;23(1):46-53.](https://www.ncbi.nlm.nih.gov/pubmed/19910930)
109. [Kershaw KN, Lane-Cordova AD, Carnethon MR, Tindle HA, Liu K. Chronic Stress and Endothelial Dysfunction: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Hypertens*. 2017;30(1):75-80.](https://www.ncbi.nlm.nih.gov/pubmed/27585566)
110. [Kershaw KN, Lewis TT, Diez Roux AV, Jenny NS, Liu K, Penedo FJ, Carnethon MR. Self-reported experiences of discrimination and inflammation among men and women: The multi-ethnic study of atherosclerosis. *Health Psychol*. 2016;35(4):343-350.](https://www.ncbi.nlm.nih.gov/pubmed/27018725)
111. [Kershaw KN, Osypuk TL, Do DP, De Chavez PJ, Diez Roux AV. Neighborhood-level racial/ethnic residential segregation and incident cardiovascular disease: the multi-ethnic study of atherosclerosis. *Circulation*. 2015;131(2):141-148.](http://www.ncbi.nlm.nih.gov/pubmed/25447044)
112. [Kestenbaum BR, Adeney KL, de Boer IH, Ix JH, Shlipak MG, Siscovick DS. Incidence and progression of coronary calcification in chronic kidney disease: the Multi-Ethnic Study of Atherosclerosis. *Kidney Int*. 2009;76(9):991-998.](http://www.ncbi.nlm.nih.gov/pubmed/19692998?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)

1. [Kestenbaum B, Rudser KD, de Boer IH, Peralta CA, Fried LF, Shlipak MG, Palmas W, Stehman-Breen C, Siscovick DS. Differences in Kidney Function and Incident Hypertension: The Multi-Ethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/pubmed/18378946?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Ann Intern Med](http://www.ncbi.nlm.nih.gov/pubmed/18378946?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[. 2008;148(7):501-508.](http://www.ncbi.nlm.nih.gov/pubmed/18378946?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Kestenbaum B, Sachs MC, Hoofnagle AN, Siscovick DS, Ix JH, Robinson-Cohen C, Lima JA, Polak JF, Blondon M, Ruzinski J, Rock D, de Boer IH. Fibroblast growth factor-23 and cardiovascular disease in the general population: the multi-ethnic study of atherosclerosis. *Circ Heart Fail*. 2014;7(3):409-417.](http://www.ncbi.nlm.nih.gov/pubmed/24668259)
3. [Khan SS, Post WS, Guo X, Tan J, Zhu F, Bos D, Sedaghati-Khayat B, van Rooij J, Aday A, Allen NB, Bos MM, Uitterlinden AG, Buoff MJ, Lloyd-Jones DM, Mosley JD, Rotter JI, Greenland P, Kavousi M. Coronary Artery Calcium Score and Polygenic Risk Score for the Prediction of Coronary Heart Disease Events. *JAMA*. 2023;329(2):1768-1777.](https://pubmed.ncbi.nlm.nih.gov/37219552/)

1. [Khazai B, Hill Golden SH, Colangelo LA, Swerdloff R, Wang C, Honoris L, Gapstur SM, Ouyang P, Cushman M, Li D. Kopp P, Vaidya D. Liu K, Dobs A, Budoff M. Association of endogenous testosterone with subclinical atherosclerosis in men; the multi-ethnic study of atherosclerosis. *Clin Endocrinol (Oxf)*. 2016;84(5):700-707](http://www.ncbi.nlm.nih.gov/pubmed/26663365)
2. [Khazai B, Adabifirouzjaei F, Guo M, Ipp E, Klein R, Klein B, Cotch MF, Wong TY, Swerdloff R, Wang C, Surampudi P, Kaufman J, Park C, Hendel R, Budoff MJ. Relation between Retinopathy and Progression of Coronary Artery Calcium in Individuals with Versus Without Diabetes Mellitus (From the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2021;149:1-8.](https://pubmed.ncbi.nlm.nih.gov/33892913/)
3. [Khera A, Budoff MJ, O’Donnell CJ, Ayers CA, Locke J, de Lemos JA, Massaro JM, McClelland RL, Taylor A, Levine BD. Astronaut Cardiovascular Health and Risk Modification (Astro-CHARM) Coronary Calcium Atherosclerostic Cardiovascular Disease Risk Calculator. *Circulation*. 2018;138(17):1819-1827.](https://www.ncbi.nlm.nih.gov/pubmed/30354651)

1. [Khera AV, Chaffin M, Zekavat SM, Collins RL, Roselli C, Natarajan P, Lichtman JH, D’Onofrio G, Mattera J, Dreyer RP, Spertus JA, Taylor KD, Psaty BM, Rich SS, Post W, Gupta N, Gabriel S, Lander E, Ida Chen YD, Talkowski ME, Rotter JI, Krumholz HM, Kathieresan S. Whole-Genome Sequencing to Characterize Monogenic and Polygenic Contributions in Patients Hospitalized With Early-Onset Myocardial Infarction.](https://www.ncbi.nlm.nih.gov/pubmed/30586733) *[Circulation](https://www.ncbi.nlm.nih.gov/pubmed/30586733)*[. 2019;139(13):1593-1602.](https://www.ncbi.nlm.nih.gov/pubmed/30586733)
2. [Khera AV, Collins RL, Brand H, Karczewski KJ, Zhao X, Alfoldi J, Francioli LC, Lowther C, Gauthier LD, Wang H, Watts NA, Solomonson M, O’Donnell-Luria A, Baumann A, Munshi R, Walker M, Whelan CW, Huang Y, Brookings T, Sharpe T, Stone MR, Valkanas E, Fu J, Tiao G, Laricchia KM, Ruano-Rubio V, Stevens C, Gupta N, Cusick C, Margolin L; Genome Aggregation Database Production Team; Genome Aggregation Database Consortium; Taylor KD, Lin HJ, Rich SS, POost WS, Chen YDI, Rotter JI, Nusbaum C, Philippakis A, Lander E, Gabriel S, Neale BM, Kathiresan S, Daly MJ, Banks E, MacArthur DG, Talkowski ME. A structural variation reference for medical and population genetics. *Nature*. 2020;581(7809):444-451.](https://pubmed.ncbi.nlm.nih.gov/32461652/)
3. [Khera AV, Emdin CA, Chaffin M, Klarin D, Natarajan P, Aragam K, Haas M, Bick A, Zekavat SM, Nomura A, Ardissino D, Wilson JG, Schunkert H McPherson R, Watkins H, Elosua R, Bown MJ, Samani NJ, Baber U, Erdmann J, Gupta N, Danesh J, Chasman D, Ridker P, Denny J, Bastarache L, Lichtman JH, D’Onofrio G, Mattera J, Spertus JA, Sheu WHH, Taylor KD, Psaty BM, Rich SS, Post W, Rotter JI, Chen YDI, Krumholz H, Saleheen D, Gabriel S, Kathiresan S. Analysis of predicted loss-of-function variants in UK Biobank identifies variants protective for disease. *Nat Commun*. 2018;9(1):1613. doi: 10.1038/s41467-018-03911-8.](https://pubmed.ncbi.nlm.nih.gov/29691411/)
4. [Khera AV, Mason-Suares H, Brockman D, Wang M, VanDenburgh MJ, Senol-Cosar O, Patterson C, Newton-Cheh C, Zekavat SM, Pester J, Chasman DI, Kabrhel C, Jensen MK, Manson JE, Gaziano JM, Taylor KD, Sotoodehnia N, Post WS, Rich RS, Rotter JI, Lander ES, Rehm HL, Ng K, Philippakis A, Lebo M, Albert CM, Kathiresan S. Rare Genetic Variants Associated With Sudden Cardiac Death in Adults. *J Am Coll Cardiol*. 2019;74(21):2623-2634.](https://www.ncbi.nlm.nih.gov/pubmed/31727422)
5. [Khera R, Pandey A, Ayers CR, Carnethon MR, Greenland P, Ndumele CE, Nambi V, Seliger SL, Chaves PHM, Safford SM, Cushman M, Xanthakis V, Vasan RS, Mentz RJ, Correa A, Lloyd-Jones DM, Berry JD, de Lemos JA, Neeland IJ. Performance of the Pooled Cohort Equations to Estimate Atherosclerotic Cardiovascular Disease. *JAMA Netw Open*. 2020;3(10):e2023242. doi: 10.1001/jamanetworkopen.2020.23242.](https://pubmed.ncbi.nlm.nih.gov/33119108/)
6. [Kianersi S, Redline S, Mongraw-Chaffin M, Huang T. Associations of Slow-Wave Sleep With Prevalent and Incident Type 2 Diabetes in the Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2023;108(10):e1044-e1055. doi: 10.1210/clinem.dgad229.](https://pubmed.ncbi.nlm.nih.gov/37084404/)
7. [Kiani AN, Magder LS, Post WS, Szklo M, Bathon JM, Schreiner PJ, O’Leary D, Petri M. Coronary calcification in SLE: comparison with the Multi-Ethnic Study of Atherosclerosis. *Rheumatology (Oxford)*. 2015;54(11):1976-1981.](http://www.ncbi.nlm.nih.gov/pubmed/26106213)
8. [Kianoush S, Al Rifai M, Cainzos-Achirica M, Al-Mallah, MH, Tison GH, Yeboah J, Miedema MD, Allison MA, Wong ND, DeFilippis AP, Longstreth W, Nasir K, Budoff MJ, Matsushita K, Blaha MJ. Thoracic extra-coronary calcification for the prediction of stroke: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2017;267:61-67.](https://www.ncbi.nlm.nih.gov/pubmed/29100062)
9. [Kianoush S, Bittencourt M, Lotufo P, Bensenor I, Jones SR, DeFilippis AP, Toth P, Otvos JD, Tibuakuu M, Hall ME, Harada PHN, Blaha MJ. Association Between Smoking and Serum GlycA and High-Sensitivity C-Reactive Protein Levels: The Multi-Ethnic Study of Atherosclerosis (MESA) and Brazilian Longitudinal Study of Adult Health (ELSA-Brasil). *J Am* *Heart Assoc*. 2017;6(8). pii: 10.1161/JAHA. 117.006545.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kianoush+S)
10. [Kianoush S, DeFilippis AP, Rodriguez CJ, Rifai MA, Benjamin EJ, Hall ME, Ouyang P, Allison MA, Blaha MJ. Race/Ethnicity-Specific Associations between Smoking, Serum Leptin, and Abdominal Fat: The Multi-Ethnic Study of Atherosclerosis. *Ethn Dis*. 2018;28(4):531-538.](https://www.ncbi.nlm.nih.gov/pubmed/30405297)
11. [Kiefer EM, Hankinson JL, Barr RG. Similar relation of age and height to lung function among whites, african americans, and hispanics. *Am J Epidemiol*. 2011;173(4):376-387.](http://www.ncbi.nlm.nih.gov/pubmed/21242304)
12. [Kim C, Diez-Roux AV, Nettleton JA, Polak JF, Post WS, Siscovick DS, Watson KE, Vahratian AM. Sex differences in subclinical atherosclerosis by race/ethnicity in the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2011;174(2):165-172.](http://www.ncbi.nlm.nih.gov/pubmed/21685409)
13. [Kim DS, Li YK, Bell GA, Burt AA, Vaisar T, Hutchins PM, Furlong CE, Otvos JD, Polak JF, Arnan MK, Kaufman JD, McClelland RL, Longstreth WT Jr, Jarvik GP. Concentration of Smaller High-Density Lipoprotein Particle (HDL-P) Is Inversely Correlated With Carotid Intima Media Thickening After Confounder Adjustment: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Heart Assoc*. 2016;5(5). pii: e002977.](http://www.ncbi.nlm.nih.gov/pubmed/27207961)
14. [Kim J, Budoff MJ, Nasir K, Wong ND, Yeboah J, Al-Mallah MH, Shea S, Dardari ZA, Blumenthal RS, Blaha MJ, Cainzos-Achirica M. Thoracic aortic calcium, cardiovascular disease events, and all-cause mortality in asymptomatic individuals with zero coronary calcium: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2017;257:1-8.](https://www.ncbi.nlm.nih.gov/pubmed/28033543)
15. [Kim J, Hiura GT, Oelsner EO, Yin X, Barr RG, Smith BM, Prince MR. Hiatal hernia prevalence and natural history on non-contrast CT in the Multi-Ethnic Study of Atherosclerosis (MESA). *BMJ Open Gastroenterol*. 2021;8(1):e000565. doi: 10.1136/bmjgast-2020-000565.](https://pubmed.ncbi.nlm.nih.gov/33731384/)
16. [Kim JS, Anderson MR, Bernstein EJ, Oelsner EC, Raghu G, Noth I, Tsai MY, Salvatore M, Austin JHM, Hoffman EA, Barr RG, Podolanczuk AJ. Associations of D-Dimer with Computed Tomographic Lung Abnormalities, Serum Biomarkers of Lung Injury, and Forced Vital Capacity: MESA Lung Study. *Ann Am Thorac Soc*. 2021;18(11):1839-1848.](https://pubmed.ncbi.nlm.nih.gov/33861685/)
17. [Kim JS, Anderson MR, Podolanczuk AJ, Kawut SM, Allison MA, Raghu G, Hinckley-Stukovsky K, Hoffman EA, Tracy RP, Barr RG, Lederer DJ, Giles JT. Associations of Serum Adipokines With Subclinical Interstitial Lung Disease Among Community-Dwelling Adults: The Multi-Ethnic Study of Atherosclerosis (MESA). *Chest*. 2020;157(3):580-589.](https://pubmed.ncbi.nlm.nih.gov/31678306/)
18. [Kim JS, Azarbarzin A, Wang R, Djonlagic IE, Punjabi NM, Zee PC, Koo BB, Soliman EZ, Younes M, Redline S. Association of novel measures of sleep disturbances with blood pressure: the Multi-Ethnic Study of Atherosclerosis. *Thorax*. 2020;75(1):57-63.](https://www.ncbi.nlm.nih.gov/pubmed/31439722)
19. [Kim JS, Axelsson GT, Moll M, Anderson MR, Bernstein EJ, Putman RK, Hida T, Hatabu H, Hoffman EA, Raghu G, Kawut SM, Doyle MF, Tracy R, Launer LJ, Manichaikul A, Rich SS, Lederer DJ, Gudnason V, Hobbs BD, Cho MH, Hunninghake GM, Garcia CK, Gudmundsson G, Barr RG, Podolanczuk AJ. Associations of Monocyte Count and Other Immune Cell Types with Interstitial Lung Abnormalities. *Am J Respir Crit Care Med*. 2022;205(7):795-805.](https://pubmed.ncbi.nlm.nih.gov/34929108/)
20. [Kim JS, Azarbarzin A, Podolanczuk AJ, Anderson MR, Cade BE, Kawut SM, Wysoczanski A, Laine AF, Hoffman EA, Gottlieb DJ, Garcia CK, Barr RG, Redline S. Obstructive Sleep Apnea Longitudinal Changes in Interstitial Lung Imaging and Lung Function: The MESA Study. *Ann Am Thorac Soc*. 2023;20(5):728-737.](https://pubmed.ncbi.nlm.nih.gov/36790913/)
21. [Kim JS, Dashti HS, Huang T, Cade BE, Podolanczuk AJ, O’Hearn DJ, Hoffman EA, Wang H, Blaikley J, Barr RG, Redline S. Associations of sleep duration and sleep-wake rhythm with lung parenchymal abnormalities on computed tomography: The MESA study. *J Sleep Res*. 2022;31(2):e13475. doi: 10.1111/jsr.13475.](https://pubmed.ncbi.nlm.nih.gov/34498326/)
22. [Kim JS, Kim J, Yin X, Hiura GT, Anderson MR, Hoffman EA, Roghu G, Noth I, Manichaikul A, Rich SS, Smith BM, Podolanczuk AJ, Garcia CK, Barr RG, Prince MR, Oelsner EC. Associations of hiatus hernia with CT-based interstitial lung changes: the MESA Lung Study. *Eur Respir J*. 2023;61(1):2103173. doi: 10.1183/13993003.03173-2021. Print 2023 Jan.](https://pubmed.ncbi.nlm.nih.gov/35777776/)
23. [Kim JS, Manichaikul AW, Hoffman EA, Balte P, Anderson MR, Bernstein EJ, Madahar P, Oelsner EC, Kawut SM, Wysoczanski A, Laine AF, Adegunsoye A, Ma JZ, Taub MA, Mathias RA, Rich SS, Rotter JI, Noth I, Garcia CK, Barr RG, Podolanczuk AJ. *MUC5B*, telomere length and longitudinal quantitative interstitial lung changes: the MESA Lung Study. *Thora*x. 2023;78(6):566-573.](https://pubmed.ncbi.nlm.nih.gov/36690926/)
24. [Kim JS, Moll M, Peljto AL, Xu H, Debban CL, Chen X, Menon A, Putman RK, Ghosh AJ, Saferali A, Nishino M, Hatabu H, Hobbs BD, Hecker J, McDermott G, Sparks JA, Wain LV, Allen RJ, Tobin MD, Raby BA, Chun S, Silverman EK, Zamora AC, Ortega VE, Garcia CK, Barr RG, Bleecker ER, Meyers DA, Kaner RJ, Rich SS, Manichaikul A, Rotter JI, Dupuis J, O’Connor GT, Fingerlin TE, Hunninghake GM, Schwartz DA, Cho MH. A Polygenic Risk Score for Idiopathic Pulmonary Fibrosis and Interstitial Lung Abnormalities. *Am J Respir Crit Care Med*. 2023;208(7):791-801.](https://pubmed.ncbi.nlm.nih.gov/37523715/)
25. [Kim JS, Podolanczuk AJ, Borker P, Kawut SM, Raghu G, Kaufman JD, Stukovsky KDH, Hoffman EA, Barr RG, Gottlieb DJ, Redline SS, Lederer DJ. Obstructive Sleep Apnea and Subclinical Interstitial Lung Disease in the Multi-Ethnic Study of Atherosclerosis (MESA). *Ann* *Am Thorac Soc*. 2017;14(12):1786-1795.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Obstructive+Sleep+Apnea+and+Subclinical+Interstitial+Lung+Disease+in+the+Multi-Ethnic+Study)
26. [Kim JS, Steffen BT, Podolanczuk AJ, Kawut SM, Noth I, Raghu G, Michos ED, Hoffman EA, Axelsson GT, Gudmundsson G, Gudnason V, Gudmundsson EF, Murphy RA, Dupuis J, Xu H, Vasan RS, O’Connor GT, Harris WS, Hunninghake GM, Barr RG, Tsai MY, Lederer DJ. Associations of ω-3 Fatty Acids With Interstitial Lung Disease and Lung Imaging Abnormalities Among Adults. *Am J Epidemiol*. 2021;190(1)95-108.](https://pubmed.ncbi.nlm.nih.gov/32803215/)
27. [Kim JY, Choi J, Vella CA, Criqui MH, Allison MA, Kim NH. Associations between Weight-Adjusted Waist Index and Abdominal Fat and Muscle Mass: Multi-Ethnic Study of Atherosclerosis. *Diabetes Metab J*. 2022;46(5):747-755.](https://pubmed.ncbi.nlm.nih.gov/35350091/)
28. [Kim SM, Zhao D, Podolanczuk AJ, Lutsey PL, Guallar E, Kawut SM, Barr RG, de Boer IH, Kestenbaum BR, Lederer DJ, Michos ED. Serum 25-Hydroxyvitamin D Concentrations Are Associated with Computed Tomography Markers of Subclinical Interstitial Lung Disease among Community-Dwelling Adults in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Nutr*. 2018;148(7):1126-1134.](https://www.ncbi.nlm.nih.gov/pubmed/29931068)
29. [Kim SY, Sheppard L, Bergen S, Szpiro AA, Sampson PD, Kaufman JD, Vedal S. Prediction of fine particulate matter chemical components with a spatio-temporal model for the Multi-Ethnic Study of Atherosclerosis cohort. *J Expo Sci Environ Epidemiol*. 2016;26(5):520-528.](http://www.ncbi.nlm.nih.gov/pubmed/27189258)
30. [Kim SY, Sheppard L, Kaufman JD, Bergen S, Szpiro AA, Larson TV, Adar SD, Diez Roux AV, Polak JF, Vedal S. Individual-level concentrations of fine particulate matter chemical components and subclinical atherosclerosis: a cross-sectional analysis based on 2 advanced exposure prediction models in the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2014;180(7):718-728.](http://www.ncbi.nlm.nih.gov/pubmed/25164422)
31. [Kim SY, Sheppard L, Larson TV, Kaufman JD, Vedal S. Combining PM2.5 Component Data from Multiple Sources: Data Consistency and Characteristics Relevant to Epidemiological Analyses of Predicted Long-Term Exposures. *Environ Health Perspect*. 2015;123(7):651-658.](http://www.ncbi.nlm.nih.gov/pubmed/25738509)
32. [Kim W, Hecker J, Barr RG, Boerwinkle E, Cade B, Correa A, Dupuis J, Gharib SA, Lange L, London SJ, Morrison AC, O’Connor GT, Oelsner EC, Psaty BM, Vasan RS, Redline S, Rich SS, Rotter JI, Yu B, Lange C, Manichaikul A, Zhou JJ, Sofer T, Silverman EK, Qiao D, Cho MH, NHLBI Trans-Omics in Precision Medicine (TOPMed) Consortium and TOPMed Lung Working Group. Assessing the contribution of rare genetic variants to phenotypes of chronic obstructive pulmonary disease using whole-genome sequence data. *Hum Mol Genet*. 2022;31(22):3873-3885.](https://pubmed.ncbi.nlm.nih.gov/35766891/)
33. [Kirwa K, Eckert CM, Vedal S, Hajat A, Kaufman JD. Ambient air pollution and risk of respiratory infection among adults: evidence from the multiethnic study of atherosclerosis (MESA). *BMJ Open Respir Res*. 2021;(1):e000866. doi: 10.1136/bmjresp-2020-00866.](https://pubmed.ncbi.nlm.nih.gov/33664125/)
34. [Kirwa K, Szpiro AA, Sheppard L, Sampson PD, Wang M, Keller JP, Young MT, Kim SY, Larson TV, Kaufman JD. Fine-Scale Air Pollution Models for Epidemiologic Research: Insights From Approaches Developed in the Multi-ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *Curr Environ Health Rep*. 2021;8(2):113-126.](https://pubmed.ncbi.nlm.nih.gov/34086258/)
35. [Klein R, Klein BE, Knudtson MD, Cotch MF, Wong TY, Liu K, Burke G, Saad MF, Jacobs DR Jr, Sharrett AR. Subclinical Atherosclerotic Cardiovascular Disease and Early Age-Related Macular Degeneration in a Multiracial Cohort: The Multiethnic Study of Atherosclerosis. *Arch Ophthalmol*. 2007;125(4):534-543.](http://www.ncbi.nlm.nih.gov/pubmed/17420374)
36. [Klein R, Klein BE, Knudtson MD, Wong TY, Cotch MF, Liu K, Burke G, Saad MF, Jacobs DR, Jr. Prevalence of age-related macular degeneration in 4 racial/ethnic groups in the multi-ethnic study of atherosclerosis. *Ophthalmology*. 2006;113(3):373-380.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16513455)
37. [Klein R, Knudtson MD, Klein BE, Wong TY, Cotch MF, Barr G. Emphysema, Airflow Limitation, and Early Age-Related Macular Degeneration. *Arch Ophthalmol*. 2010;128(4):472-477.](http://www.ncbi.nlm.nih.gov/pubmed/20385944)
38. [Klein R, Knudtson MD, Klein BE, Wong TY, Cotch MF, Liu K, Cheng CY, Burke GL, Saad MF, Jacobs DR Jr, Sharrett AR. Inflammation, Complement Factor H, and Age-Related Macular Degeneration The Multi-Ethnic Study of Atherosclerosis. *Ophthalmology*. 2008;115(10):1742-1749.](http://www.ncbi.nlm.nih.gov/pubmed/18538409)
39. [Klein R, Li X, Kuo JZ, Klein BE, Cotch MF, Wong TY, Taylor KD, Rotter JI. Associations of candidate genes to age-related macular degeneration among racial/ethnic groups in the multi-ethnic study of atherosclerosis. *Am J Ophthalmol*. 2013;156(5):1010-1020.](http://www.ncbi.nlm.nih.gov/pubmed/23938121)
40. [Ko YA, Mukherjee B, Smith JA, Kardia SL, Allison M, Diez Roux AV. Classification and Clustering Methods for Multiple Environmental Factors in Gene-Environment Interaction: Application to the Multi-Ethnic Study of Atherosclerosis. *Epidemiology*. 2016;27(6):870-878.](https://www.ncbi.nlm.nih.gov/pubmed/27479650)
41. [Ko YA, Mukherjee B, Smith JA, Park SK, Kardia SL, Allison MA, Vokonas PS, Chen J, Diez-Roux AV. Testing departure from additivity in Tukey’s model using shrinkage: application to a longitudinal setting. *Stat Med*. 2014;33(29):5177-5191.](http://www.ncbi.nlm.nih.gov/pubmed/25112650)
42. [Kobayashi H, Giles JT, Polak JF, Blumenthal RS, Leffell MS, Szklo M, Petri M, Gelber AC, Post W, Bathon JM. Increased Prevalence of Carotid Artery Atherosclerosis in Rheumatoid Arthritis is Artery specific. *J Rheumatol*. 2010;37(4):730-739.](http://www.ncbi.nlm.nih.gov/pubmed/20110515?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)
43. [Konigsberg IR, Vargas LB, Lange LA, Ferrier K, Aguet F, Ardlie K, Gabriel S, Gupta N, Smith JD, Blackwell TW, Ding J, Durda P, Tracy RP, Liu Y, Taylor KD, Johnson WC, Rich SS, Rotter JI, Lange EM. Gene expression associations with body mass index in the Multi-Ethnic Study of Atherosclerosis. *Int J Obes (Lond)*. 2023;47(2):109-116.](https://pubmed.ncbi.nlm.nih.gov/36463326/)
44. [Koo BB, Sillau S, Dean DA 2nd, Lutsey PL, Redline S. Periodic limb movements during sleep and prevalent hypertension in the multi-ethnic study of atherosclerosis. *Hypertension*. 2015;65(1):70-77.](http://www.ncbi.nlm.nih.gov/pubmed/25287399)
45. [Koska J, Furtado J, Hu Y, Sinari S, Budoff MJ, Billheimer D, Nedelkov D, McClelland RL, Reaven PD. Plasma proteoforms of apolipoproteins C-I and C-II are associated with plasma lipids in the Multi-Ethnic Study of Atherosclerosis. *J Lipid Res*. 2022;63(9):100263. doi: 10.1016/j.jlr.2022.100263.](https://pubmed.ncbi.nlm.nih.gov/35952903/)
46. [Koska J, Hu Y, Furtado J, Billheimer D, Nedelkov D, Allison M, Budoff MJ, McClelland RL, Reaven P. Association of apolipoproteins C-I and C-II truncations with coronary heart disease and progression of coronary artery calcium: Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2023;380.117214. doi: 10.1016/j.atherosclerosis.2023.117214.](https://pubmed.ncbi.nlm.nih.gov/37573768/)

1. [Kramer H, Han C, Post W, Goff D, Diez Roux A, Cooper R, Jinagouda S, Shea S. Racial/ethnic differences in hypertension and hypertension treatment and control in the multi-ethnic study of atherosclerosis (MESA). *Am J Hypertens*. 2004;17(10):963-970.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15485761)
2. [Kramer H, Jacobs DR, Jr., Bild D, Post W, Saad MF, Detrano R, Tracy R, Cooper R, Liu K. Urine albumin excretion and subclinical cardiovascular disease. The Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2005;46(1):38-43.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15956113)
3. [Kramer H, Palmas W, Kestenbaum B, Cushman M, Allison M, Astor B, Shlipak M. Chronic Kidney Disease Prevalence Estimates among Racial/Ethnic Groups: The Multi-Ethnic Study of Atherosclerosis. *Clin J Am Soc Nephrol*. 2008;3(5):1391-1397.](http://www.ncbi.nlm.nih.gov/pubmed/18550650?ordinalpos=7&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
4. [Kreis AJ, Wong TY, Islam FM, Klein R, Klein BE, Cotch MF, Jenkins AJ, Shea S, Wang JJ. Is nuclear magnetic resonance lipoprotein subclass related to diabetic retinopathy? The multi-ethnic study of atherosclerosis (MESA). *Diab Vasc Dis Res*. 2009;6(1):40-42.](http://www.ncbi.nlm.nih.gov/pubmed/19156628?ordinalpos=13&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
5. [Krishnan RM, Adar SD, Szpiro AA, Jorgensen NW, Van Hee VC, Barr RG, O’Neill MS, Herrington DM, Polak JF, Kaufman JD. Vascular Responses to Long- and Short-Term Exposure to Fine Particulate Matter: The MESA Air (Multi-Ethnic Study of Atherosclerosis and Air Pollution). *J Am Coll Cardiol*. 2012;60(21):2158-2166.](http://www.ncbi.nlm.nih.gov/pubmed/23103035)
6. [Kronmal RA, McClelland RL, Detrano R, Shea S, Lima JA, Burke G, Bild DE, Cushman M. Risk Factors for the Progression of Coronary Artery Calcification in Asymptomatic Subjects--Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation.* 2007;115(21):2722-2730.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17502571&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
7. [Kubota Y, Alonso A, Heckbert SR, Norby FL, Folsom AR. Homocysteine and Incident Atrial Fibrillation: The Atherosclerosis Risk in Communities Study and the Multi-Ethnic Study of Atherosclerosis. *Heart Lung Circ*. 2019;28(4):615-622.](https://www.ncbi.nlm.nih.gov/pubmed/29685716)
8. [Kundel V, Reid M, Fayad Z, Ayappa I, Mani V, Rueschman M, Redline S, Shea S, Shah N. Sleep duration and vascular inflammation using hybrid positron emission tomography/magnetic resonance imaging: results from the Multi-Ethnic Study of Atherosclerosis. *J Clin Sleep Med*. 2021;17(10):2009-2018.](https://pubmed.ncbi.nlm.nih.gov/34606438/)
9. [Kwon Y, Duprez DA, Jacobs DR, Nagayoshi M, McClelland RL, Shahar E, Budoff M, Redline S, Shea S, Carr JJ, Lutsey PL. Obstructive sleep apnea and progression of coronary artery calcium: the multi-ethnic study of atherosclerosis study. *J Am Heart Assoc*. 2014;3(5). pii: e001241. doi: 10.1161/JAHA.114.001241.](http://www.ncbi.nlm.nih.gov/pubmed/25261530)
10. [Kwon Y, Gharib SA, Biggs ML, Jacobs DR Jr, Alonso A, Duprez D, Lima J, Lin GM, Soliman EZ, Mehra R, Redline S, Heckbert SR. Association of sleep characteristics with atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis. *Thorax*. 2015;70(9)873-879.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Association+of+sleep+characteristics+with+atrial+fibrillation%3A+the+Multi-Ethnic+Study+of+Atherosclerosis)
11. [Kwon Y, Jacobs DR Jr, Lutsey PL, Brumback L, Chirinos JA, Mariani S, Redline S, Duprez DA. “Sleep disordered breathing and ECG R-wave radial artery pulse delay, The Multi-Ethnic Study of Atherosclerosis”. *Sleep Med*. 2018;48:172-179.](https://www.ncbi.nlm.nih.gov/pubmed/29960211)
12. [Kwon Y, Logan J, Redline S, Duprez D, Jacobs DR Jr, Ouyang P, Hundley WG, Lima J, Bluemke DA, Lutsey PL. Obstructive Sleep Apnea and Structural/Functional Properties of the Thoracic Ascending Aorta: The Multi-Ethnic Study of Atherosclerosis (MESA). *Cardiology*. 2019;142(3):180-188.](https://www.ncbi.nlm.nih.gov/pubmed/31189162)

1. [Kwon Y, Mariani S, Gadi SR, Jacobs Jr DR, Punjabi NM, Reid ML, Azarbarzin A, Wellman AD, Redline S. Characterization of Lung-to-Finger Circulation Time in Sleep Study Assessment: The Multi-Ethnic Study of Atherosclerosis.](https://pubmed.ncbi.nlm.nih.gov/32344384/) *[Physiol Meas](https://pubmed.ncbi.nlm.nih.gov/32344384/)*[. 2020;41(6):065004. doi: 10.1088/1361-6579/ab8e12.](https://pubmed.ncbi.nlm.nih.gov/32344384/)
2. [Kwon Y, Mariani S, Reid M, Jacobs Jr DR, Lima J, Kaupr V, Punjabi N, Redline S. Lung to finger circulation time in sleep study and coronary artery calcification: the Multi-Ethnic Study of Atherosclerosis. *Sleep Med*. 2020;75:8-11.](https://pubmed.ncbi.nlm.nih.gov/32841914/)
3. [Kwon Y, Misialek JR, Duprez D, Alonso A, Jacobs DR Jr, Heckbert SR, Redline S, Soliman EZ. Association between sleep disordered breathing and electrocardiographic markers of atrial abnormalities: the MESA study. *Europace*. 2017;19(11):1759-1766.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Association+between+sleep+disordered+breathing+and+electrocardiographic+markers+of+atrial+abnormalities%3A+the+MESA+study)
4. [Kwon Y, Misialek JR, Duprez D, Jacobs DR Jr, Alonso A, Heckbert SR, Zhao YY, Redline S, Soliman EZ. Sleep-disordered breathing and electrocardiographic QRS-T angle: The MESA study. *Ann* *Noninvasive Electrocardiol*. 2018;23(6):e12579. doi: 10.1111/anec.12579.](https://www.ncbi.nlm.nih.gov/pubmed/29963729)
5. [Kwon Y, Wiles C, Parker BE, Clark BR, Sohn MW, Mariani S, Hahn JO, Jacobs DR, Stein JH, Lima J, Kapur V, Wellman A, Redline S, Azarbarzin A. Pulse arrival time, a novel sleep cardiovascular marker: the multi-ethnic study of atherosclerosis. *Thorax*. 2021;76(11):1124-1130.](https://pubmed.ncbi.nlm.nih.gov/33863828/)
6. [Kwong AM, Blackwell TW, LeFaive J, de Andrade M, Barnard J, Barnes KC, Blangero J, Boerwinkle E, Burchard EG, Cade BE, Chasman DI, Chen H, Conomos MP, Cupples LA, Ellinor PT, Eng C, Gao Y, Guo X, Irvin MR, Kelly TN, Kim W, Kooperberg C, Lubitz SA, Mak ACY, Manichaikul AW, Mathias RA, Montasser ME, Montgomery CG, Musani S, Palmer ND, Peloso GM, Qiao D, Reiner AP, Roden DM, Shoemaker MB, Smith JA, Smith NL, Lasky Su J, Tiwari HK, Weeks DE, Weiss ST, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Analysis Working Group; Scott LJ, Smith AV, Abecasis GR, Boehnke M, Kang HM. Robust, flexible, and scalable tests for Hardy-Weinberg equilibrium across diverse ancestries. *Genetics*. 2021;218(1):iyab044. doi: 10.1093/genetics/iyab044.](https://pubmed.ncbi.nlm.nih.gov/33720349/)
7. [Labarca G, Vena D, Hu WH, Esmaeili N, Gell L, Yang HC, Wang TY, Messineo L, Taranto-Montemurro L, Sofer T, Barr RG, Stone KL, White DP, Wellman A, Sands S, Redline S, Azarbarzin A. Sleep Apnea Physiological Burdens and Cardiovascular Morbidity and Mortality. *Am J Respir Crit Care Med*. 2023;208(7):802-813.](https://pubmed.ncbi.nlm.nih.gov/37418748/)
8. [Ladeiras-Lopes R, Moreira HT, Bettencourt N, Fontes-Carvalho R, Sampaio F, Ambale-Venkatesh B, Wu C, Liu K, Bertoni AG, Ouyang P, Bluemke DA, Lima JA. Metabolic Syndrome Is Associated With Impaired Diastolic Function Independently of MRI-Derived Myocardial Extracellular Volume: The MESA Study. *Diabetes*. 2018;67(5):1007-1012.](https://www.ncbi.nlm.nih.gov/pubmed/29444891)
9. [Laek B, Szklo M, McClelland RL, Ding J, Tsai MY, Bluemke DA, Tracy R, Matsushita K. The prospective association of Chlamydia pneumoniae and four other pathogens with development of coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2013;230(2):268-274.](http://www.ncbi.nlm.nih.gov/pubmed/24075755)
10. [Lai YC, Woollard KJ, McClelland RL, Allison MA, Rye KA, Ong KL, Cochran BJ. The association of plasma lipids with white blood cell counts: Results from the Multi-Ethnic Study of Atherosclerosis. *J Clin* *Lipidol*. 2019;13(5):812-820.](https://www.ncbi.nlm.nih.gov/pubmed/31402296)
11. [Lakoski SG, Cushman M, Palmas W, Blumenthal R, D'Agostino RB, Jr., Herrington DM. The relationship between blood pressure and C-reactive protein in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Coll Cardiol*. 2005;46(10):1869-1874.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16286174)
12. [Lakoski SG, Cushman M, Criqui M, Rundek T, Blumenthal RS, D’Agostino RB Jr, Herrington DM. Gender and C-reactive protein: Data from the Multiethnic Study of Atherosclerosis (MESA) cohort. *Am Heart J.* 2006;152(3):593-598.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16923436&query_hl=1&itool=pubmed_docsum)
13. [Lakoski SG, Cushman M, Blumenthal RS, Kronmal R, Arnett D, D’Agostino RB, Detrano RC, Herrington DM. Implications of C-reactive protein or coronary artery calcium score as an adjunct to global risk assessment for primary prevention of CHD. *Atherosclerosis.* 2007;193(2):401-407*.*](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16914155&ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
14. [Lakoski SG, Cushman M, Siscovick DS, Blumenthal RS, Palmas W, Burke G, Herrington DM. The relationship between inflammation, obesity and risk for hypertension in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Hum Hypertens*. 2011;25(2):73-79.](http://www.ncbi.nlm.nih.gov/pubmed/20944659)
15. [Lakoski SG, Greenland P, Wong ND, Schreiner PJ, Herrington DM, Kronmal RA, Liu K, Blumenthal RS. Coronary Artery Calcium Scores and Risk for Cardiovascular Events in Women Classified as “Low Risk” Based on Framingham Risk Score: The Multi-Ethnic Study of Atherosclerosis (MESA). *Arch Intern Med*. 2007;167(22):2437-2442.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=18071165&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
16. [Lamprea JA, Astor BC, McClelland RL, de Boer IH, Burke GL, Sibley CT, O’Leary D, Sharrett AR, Szklo M. CKD, Plasma Lipids, and Common Carotid Intima-Media Thickness: Results from the Multi-Ethnic Study of Atherosclerosis. *Clin J Am Soc Nephrol*. 2012;7(11):1777-1785.](http://www.ncbi.nlm.nih.gov/pubmed?term=Lamprea-Montealegre%20JA)
17. [Lamprea JA, McClelland RL, Astor BC, Matsushita K, Shlipak M, de Boer H, Szklo M. Chronic kidney disease, plasma lipoproteins, and coronary artery calcium incidence: the Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2013;33(3):652-658.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Chronic+kidney+disease%2C+plasma+lipoproteins%2C+and+coronary+artery+calcium+incidence%3A+the+Multi-Ethnic)
18. [Lamprea-Montealegre JA, Arnold AM, McClelland RL, Mukamal KJ, Djousse L, Biggs ML, Siscovick DS, Tracy RP, Beisswenger PJ, Psaty BM, Ix JH, Kizer JR. Plasma Levels of Advanced Glycation Endproducts and Risk of Cardiovascular Events: Findings From 2 Prospective Cohorts. *J Am Heart Assoc*. 2022;11(15):e024012. doi: 10.1161/JAHA.121.024012.](https://pubmed.ncbi.nlm.nih.gov/35904195/)
19. [Lamprea-Montealegre JA, McClelland RL, Grams M, Ouyang P, Szklo M, de Boer IH. Coronary heart disease risk associated with the dyslipidaemia of chronic kidney disease. *Heart*. 2018;104(17):1455-1460.](https://www.ncbi.nlm.nih.gov/pubmed/29472290)
20. [Lamprea-Montealegre JA, McClelland RL, Otvos JD, Mora S, Koch M, Jensen MK, de Boer IH. Association of High-Density Lipoprotein Particles and High-Density Lipoprotein Apolipoprotein C-III Content With Cardiovascular Disease Risk According to Kidney Function: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2019;8(24):e013713. doi: 10.1161/JAHA.119.013713.](https://www.ncbi.nlm.nih.gov/pubmed/31818211)
21. [Landsbergis PA, Diez-Roux AV, Fujishiro K, Baron S, Kaufman JD, Meyer JD, Koutsouras G, Shimbo D, Shrager S, Stukovsky KH, Szklo M. Job Strain, Occupational Category, Systolic Blood Pressure, and Hypertension Prevalence: The Multi-Ethnic Study of Atherosclerosis. *J Occup Environ Med*. 2015;57(11):1178-1184.](http://www.ncbi.nlm.nih.gov/pubmed/26539765)
22. [Lane-Cordova AD, Kershaw K, Liu K, Herrington D, Lloyd-Jones DM. Association Between Cardiovascular Health and Endothelial Function With Future Erectile Dysfunction: The Multi-Ethnic Study of Atherosclerosis. *Am J Hypertens*. 2017;30(8):815-821.](https://www.ncbi.nlm.nih.gov/pubmed/28430921)
23. [Lappalainen T, Kasela S, Aguet F, Kim-Hellmuth S, Brown BC, Nachun DC, Tracy RP, Durda P, Liu Y, Taylor KD, Johnson WC, Van Den Berg D, Gabriel S, Gupta N, Smith JD, Blackwell TW, Rotter JI, Ardlie KG, Manichaikul A, Rich SS, Barr RG. Interaction molecular QTL mapping discovers cellular and environmental modifiers of genetic regulatory effects. *Am J Hum Genet*. 2024;111(1):133-149.](https://pubmed.ncbi.nlm.nih.gov/38181730/)
24. [Larson NB, Bell EJ, Decker PA, Pike M, Wassel CL, Tsai MY, Pankow JS, Tang W, Hanson NQ, Alexander K, Zakai NA, Cushman M, Bielinski SJ. ABO blood group associations with markers of endothelial dysfunction in the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2016;251:422-429.](https://www.ncbi.nlm.nih.gov/pubmed/27298014)
25. [Larson NB, Berardi C, Decker PA, Wassel CL, Kirsch PS, Pankow JS, Sale MM, de Andrade M, Sicotte H, Tang W, Hanson NQ, Tsai MY, Taylor KD, Bielinski SJ. Trans-Ethnic Meta-Analysis Identifies Common and Rare Variants Associated with Hepatocyte Growth Factor Levels in the Multi-Ethnic Study of Atherosclerosis (MESA). *Ann Hum Genet*. 2015;79(4):264-274.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Trans-Ethnic+Meta-Analhysis+Identifies+Common+and+Rare+Variants)
26. [Larson NB, Decker PA, Wassel CL, Pankow JS, Tang W, Hanson NQ, Tsai MY, Bielinski SJ. Blood group antigen loci demonstrate multivariate genetic associations with circulating cellular adhesion protein levels in the Multi-Ethnic Study of Atherosclerosis. *Hum Genet*. 2016;135(4):415-423.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Blood+group+antigen+loci+demonstrate+multivariate+genetic+associations+with+circulating+cellular)
27. [Lau SCL, Zhang G, Riueschman M, Li X, Irwin MR, Krafty RT, McCall WV, Skidmore E, Patel SR, Redline S, Smagula SF. Sleep-wake behavioral characteristics associated with depression symptoms: Findings from the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2024 Feb 23. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38394355/)
28. [Laughlin GA, Allison MA, Jensky NE, Aboyans V, Wong ND, Detrano R, Criqui MH. Abdominal aortic diameter and vascular atherosclerosis: the multi-ethnic study of atherosclerosis. *Eur J Vasc Endovasc Surg*. 2011;41(4):481-487.](http://www.ncbi.nlm.nih.gov/pubmed/21236707)
29. [Lawrence WR, Jones GS, Johnson JA, Ferrell KP, Johnson JN, Shiels MS, Diez Roux AV, Forde AT. Discrimination Experiences and All-Cause and Cardiovascular Mortality: Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Qual Outcomes*. 2023 Apr 5. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37017086/)
30. [Lazo M, Zeb I, Nasir K, Tracy RP, Budoff MJ, Ouyang P, Vaidya D. Association Between Endogenous Sex Hormones and Liver Fat in a Multiethnic Study of Atherosclerosis. *Clin Gastroenterol Hepatol*. 2015;13(9):1686-1693.](http://www.ncbi.nlm.nih.gov/pubmed/25592661)
31. [Leary PJ, Barr RG, Bluemke DA, Bristow MR, Hough CL, Kronmal RA, Lima JA, McClelland RL, Tracy RP, Kawut SM. Von Willebrand Factor and the Right Ventricle (the MESA-Right Ventricle Study). *Am J Cardiol*. 2012;110(12):1846-1851.](http://www.ncbi.nlm.nih.gov/pubmed/22995970)
32. [Leary PJ, Barr RG, Bluemke DA, Bristow MR, Kronmal RA, Lima JA, Ralph DD, Ventetuolo CE, Kawut SM. H2 Receptor Antagonists and Right Ventricular Morphology: The MESA Right Ventricle Study. *Ann Am Thorac Soc*. 2014;11(9):1379-1386.](http://www.ncbi.nlm.nih.gov/pubmed/25295642)
33. [Leary PJ, Jenny NS, Barr RG, Bluemke DA, Harhay MO, Heckbert SR, Kronmal RA, Lima JA, Mikacenic C, Tracy RP, Kawut SM. Pentraxin-3 and the right ventricle: the Multi-Ethnic Study of Atherosclerosis-Right Ventricle Study. *Pulm Circ*. 2014;4(2):250-259.](http://www.ncbi.nlm.nih.gov/pubmed/25006444)
34. [Leary PJ, Jenny NS, Bluemke DA, Kawut SM, Kronmal RA, Lima JA, Maron BA, Ralph DD, Rayner SG, Ryan JJ, Steinberg ZL, Hinckley Stukovsky KD, Tedford RJ. Endothelin-1, cardiac morphology, and heart failure: the MESA angiogenesis study. *J Heart Lung Transplant*. 2020;39(1):45-52.](https://www.ncbi.nlm.nih.gov/pubmed/31515065)
35. [Leary PJ, Kaufman JD, Barr RG, Bluemke DA, Curl CL, Hough CL, Lima JA, Szpiro AA, Van Hee VC, Kawut SM. Traffic-related Air Pollution and the Right Ventricle. The Multi-ethnic Study of Atherosclerosis. *Am J Respir Crit Care Med*. 2014;189(9):1093-1100.](http://www.ncbi.nlm.nih.gov/pubmed/24593877)
36. [Leary PJ, Kronmal RA, Bluemke DA, Buttrick PM, Jones KL, Kao DP, Kawut SM, Krieger EV, Lima JA, Minobe W, Ralph DD, Tedford RJ, Weiss NS, Bristow MR. Histamine H2 Receptor Polymorphisms, Myocardial Transcripts, and Heart Failure (from the Multi-Ethnic Study of Atherosclerosis and Beta-Blocker Effect on Remodeling and Gene Expression Trial). *Am J Cardiol*. 2018;121(2):256-261.](https://www.ncbi.nlm.nih.gov/pubmed/29191567)
37. [Leary PJ, Tedford RJ, Bluemke DA, Bristow MR, Heckbert SR, Kawut SM, Krieger EV, Lima JA, Masri CS, Ralph DD, Shea S, Weiss NS, Kronmal RA. Histamine H2 Receptor Antagonists, Left Ventricular Morphology, and Heart Failure Risk: The MESA Study. *J Am Coll Cardol*. 2016;67(13):1544-1552.](http://www.ncbi.nlm.nih.gov/pubmed/27150686)
38. [Lederer DJ, Enright PL, Kawut SM, Hoffman EA, Hunninghake G, van Beek EJ, Austin JH, Jiang R, Lovasi GS, Barr RG. Cigarette Smoking Is Associated with Subclinical Parenchymal Lung Disease: The Multi-Ethnic Study of Atherosclerosis (MESA)-Lung Study. *Am J Respir Crit Care Med*. 2009;180(5):407-414.](http://www.ncbi.nlm.nih.gov/pubmed/19542480?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
39. [Lee CMY, Colagiuri S, Woodward M, Gregg EW, Adams R, Azizi F, Gabriel R, Gill TK, Gonzalez C, Hodge A, Jacobs Jr DR Jr, Joseph JJ, Khalili D, Magliano DJ, Mehlig K, Milne sands R, Mishra G, Mongraw-Chaffin M, Pasco JA, Sakurai M, Schreiner PJ, Selvin E, Shaw JE, Wittert G, Yatsuya H, Huxley RR. Comparing different definitions of prediabetes with subsequent risk of diabetes: an individual participant data meta-analysis involving 76 513 individuals and 8208 cases of incident diabetes. *BMJ Open Diabetes Res Care*. 2019;7(1):e000794. doi: 10.1136/bmjdrc-2019-000794. eCollection 2019.](https://www.ncbi.nlm.nih.gov/pubmed/31908797)
40. [Lee KB, Budoff MJ, Zavodni A, Polak JF, Jeffrey Carr J, Burke GL, Herrington DM. Coronary artery calcium is associated with degree of stenosis and surface irregularity of carotid artery. *Atherosclerosis*. 2012;223(1):160-165.](http://www.ncbi.nlm.nih.gov/pubmed/22658554)
41. [Lefebvre G, Delaney JA, McClelland RL. Extending the Bayesian Adjustment for Confounding algorithm to binary treatment covariates to estimate the effect of smoking on carotid intima-media thickness: the Multi-Ethnic Study of Atherosclerosis. *Stat Med*. 2014;33(16):2797-2813.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Extending+the+Bayesian+Adjustment+for+Confounding+algorithm+to+binary+treatment+covariates+to+estimate+the+effect+of+smoking+on+carotid+intima-media+thickness%3A+the+Multi-Ethnic+Study+of+Atherosclerosis)
42. [Leigh A, McEvoy JW, Garg P, Carr JJ, Sandfort V, Oelsner EC, Budoff M, Herrington D, Yeboah J. Coronary Artery Calcium Scores and Atherosclerotic Cardiovascular Disease Risk Stratification in Smokers. *JACC Cardiovasc Imaging*. 2019;12(5):852-861.](https://www.ncbi.nlm.nih.gov/pubmed/29454784)
43. [Leiser CL, Whitsel EA, Reiner A, Rich SS, Rotter JI, Taylor KD, Tracy RP, Kooperberg C, Smith AV, Manson JE, Mychaleckyj JC, Bick AG, Szpiro AA, Kaufman JD. Associations between Ambient Air Pollutants and Clonal Hematopoiesis of Indeterminate. *Cancer Epidemiol Biomarkers Prev*. 2023;32(10):1470-1473.](https://pubmed.ncbi.nlm.nih.gov/37466697/)
44. [Lemaitre RN, Costea I, Mack DR, Israel D, Marcil V, Ahmad A, Amre DK. Interactions between the dietary polyunsaturated fatty acid ratio and genetic factors determine susceptibility to pediatric Crohn’s disease. *Gastroenterology*. 2014;146(4):929-931.](https://www.ncbi.nlm.nih.gov/pubmed/24406470)
45. [Lemaitre RN, Jensen PN, Wang Z, Fretts AM, Sitlani CM, Nemet I, Sotoodehnia N, de Oliveira Otto MC, Zhu W, Budoff M, Longstreth WT, Psaty BM, Siscovick DS, Hazen SL, Mozaffarian D. Plasma Trimethylamine- *N*-Oxide and Incident Ischemic Stroke: The Cardiovascular Health Study and the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2023;12(16):e8711. doi: 10.1161/JAHA.122.029230.](https://pubmed.ncbi.nlm.nih.gov/37581385/)
46. [Lemaitre RN, King IB, Kabagambe EK, Wu JH, McKnight B, Manichaikul A, Guan W, Sun Q, Chasman DI, Foy M, Wang L, Zhu J, Siscovick DS, Tsai MY, Arnett DK, Psaty BM, Djousse L, Chen YD, Tang W, Weng LC, Wu H, Jensen MK, Chu AY, Jacobs DR Jr, Rich SS, Mozaffarian D, Steffen L, Rimm EB, Hu FB, Ridker PM, Fornage M, Friedlander Y. Genetic loci associated with circulating levels of very long-chain saturated fatty acids. *J Lipid Res*. 2015;56(1):176-184.](https://www.ncbi.nlm.nih.gov/pubmed/25378659)
47. [Lemaitre RN, Tanaka T, Tang W, Manichaikul A, Foy M, Kabagambe EK, Nettleton JA, King IB, Weng LC, Bhattacharya S. Bandinelli S, Bis JC, Rich SS, Jacobs DR Jr, Cherubini A, McKnight B, Liang S, Gu X, Rice K, Laurie CC, Lumley T, Browning BL, Psaty BM, Chen YD, Friedlander Y, Djousse L, Wu JH, Siscovick DS, Uitterlinden AG, Arnett DK, Ferrucci L, Fornage M, Tsai MY, Mozoffarian D, Steffen LM. Genetic loci associated with plasma phospholipid n-3 fatty acids: a meta-analysis of genome-wide association studies from the CHARGE Consortium. *PLoS Genet*. 2011;7(7):e1002193. doi: 10.1371/journal.pgen.1002193.](https://www.ncbi.nlm.nih.gov/pubmed/21829377)
48. [Lemelin ET, Diez Roux AV, Franklin TG, Carnethon M, Lutsey PL, Ni H, O’Meara E, Shrager S. Life-course socioeconomic positions and subclinical atherosclerosis in the multi-ethnic study of atherosclerosis. *Soc Sci Med*. 2009;68(3):444-451.](http://www.ncbi.nlm.nih.gov/sites/entrez)
49. [Le-Scherban F, Albrecht SS, Bertoni A, Kandula N, Mehta N, Diez Roux AV. Immigrant status and cardiovascular risk over time: results from the Multi-Ethnic Study of Atherosclerosis. *Ann Epidemiol*. 2016;26(6):429-435.](http://www.ncbi.nlm.nih.gov/pubmed/27221804)
50. [Le-Scherban F, Albrecht SS, Osypuk TL, Sanchez BN, Diez Roux AV. Long-term neighborhood ethnic composition and weight-related outcomes among immigrants: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2019;58:102147. doi: 10.1016/j.healthplace.2019. 102147.](https://www.ncbi.nlm.nih.gov/pubmed/31234123)
51. [Le-Scherban F, Brenner AB, Hicken MT, Needham BL, Seeman T, Sloan RP, Wang X, Diez Roux AV. Child and Adult Socioeconomic Status and the Cortisol Response to Acute Stress: Evidence from the Multi-Ethnic Study of Atherosclerosis. *Psychosom Med*. 2018;80(2):184-192.](https://www.ncbi.nlm.nih.gov/pubmed/29215456)
52. [Le-Scherban F, Albrecht SS, Osypuk TL, Sanchez BN, Diez Roux AV. Neighborhood ethnic composition, spatial assimilation, and change in body mass index over time among Hispanic and chinese immigrants: multi-ethnic study of atherosclerosis. *Am J Public Health*. 2014;104(11):2138-2146.](http://www.ncbi.nlm.nih.gov/pubmed/25211724)
53. [Levine DA, Gross AL, Briceno EM, Tilton N, Whitney R, Han D, Giordani BJ, Sussman JB, Hayward RA, Burke JF, Elkind MSV, Moran AE, Tom S, Gottesman RF, Gaskin DJ, Sidney S, Yaffe K, Sacco RL, Heckbert SR, Hughes TM, Lopez OL, Allen NB, Galecki A. Blood Pressure and Later-Life Cognition in Hispanic and White Adults (BP-COG): A Pooled Cohort Analysis of ARIC, CARDIA, CHS, FOS, MESA, and NOMAS. *J Alzheimers Dis*. 2022;89(3):1103-1117.](https://pubmed.ncbi.nlm.nih.gov/35964190/)
54. [Levitan EB, Ahmed A, Arnett DK, Polak JF, Hundley WG, Bluemke DA, Heckbert SR, Jacobs DR Jr, Nettleton JA. Mediterranean diet score and left ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2016;104(3):595-602.](http://www.ncbi.nlm.nih.gov/pubmed/27488238)
55. [Lewis AA, Ayers CR, Selvin E, Neeland I, Ballantyne CM, Nambi V, Pandey A, Powell-Wiley TM, Drazner MH, Carnethon MR, Berry JD, Seliger SL, DeFilippi CR, de Lemos JA. Racial Differences in Malignant Left Ventricular Hypertrophy and Incidence of Heart Failure: A Multicohort Study. *Circulation*. 2020;141(12):957-967.](https://www.ncbi.nlm.nih.gov/pubmed/31931608)
56. [Li AE, Kamel I, Rando F, Anderson M, Kumbasar B, Lima JA, Bluemke DA. Using MRI to assess aortic wall thickness in the multiethnic study of atherosclerosis: distribution by race, sex, and age. *AJR Am J Roentgenol*. 2004;182(3):593-597.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=14975953)
57. [Li D, Mao SS, Khazai B, Hyder JA, Allison M, McClelland R, de Boer I, Carr JJ, Criqui MH, Gao Y, Budoff MJ. Noncontrast Cardiac Computed Tomography Image-Based Vertebral Bone Mineral Density: The Multi-Ethnic Study of Atherosclerosis (MESA). *Acad Radiol*. 2013;20(5):621-627.](http://www.ncbi.nlm.nih.gov/pubmed/23570937)
58. [Li J, Auchincloss AH, Hirsch JA, Melly SJ, Moore KA, Peterson A, Sanchez BN. Exploring the spatial scale effects of built environments on transport walking: Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2022;73:102722. doi: 10.1016/j.healthplace.2021.102722.](https://pubmed.ncbi.nlm.nih.gov/34864555/)
59. [Li J, Hirsch JA, Michael YL, Besser LM, Auchincloss AH, Hughes TM, Sanchez BN. Spatial scale effects on associations between built environment and cognitive function: Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2024 Feb 9. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38340497/)
60. [Li J, Peterson A, Auchincloss AH, Hirsch JA, Rodriguez DA, Melly SJ, Moore KA, Diez-Roux AV, Sanchez BN, Comparing effects of Euclidean buffers and network buffers on associations between built environment and transport walking: the Multi-Ethnic Study of Atherosclerosis. *Int J Health Geogr*. 2022;21(1):12. doi: 10.1186/d212942-022-00310-7.](https://pubmed.ncbi.nlm.nih.gov/36115992/)
61. [Li R, Rueschman M, Gottlieb DJ, Redline S, Sofer T. A composite sleep and pulmonary phenotype predicting hypertension. *EBioMedicine*. 2021;68:103433. doi: 10.1016/j.ebiom.2021.103433.](https://pubmed.ncbi.nlm.nih.gov/34144485/)
62. [Li X, Avery CL, Sitlani CM, Arking DE, Arnett DK, Bis JC, Boerwinkle E, Buckley BM, Chen IY, de Craen AJ, Eijgelsheim M, Enquobahrie D, Evans DS, Ford I, Garcia ME, Gudnason V, Harris TB, Heckbert SR, Hochner H, Hofman A, Hsueh WC Isaacs A, Jukema JW, Knekt P, Kors JA, Krijthe BP, Kristiansson K, Laaksonen M, Liu Y, Macfarlane PW, Newton-Cheh C, Nieminen MS, Oostra BA, Pelosa GM, Porthan K, Rice K, Rivadeneira FF, Rotter JI, Salomaa V, Sattar N, Siscovick DS, Slagboom PE, Smith AV, Sotoodehnia N, Stott DJ, Stricker BH, Sturmer T, Trompet S, Utterlinden AG, van Duijn C, Westerdorp RG, Witteman JC, Whitsel EA, Psaty BM. Drug-gene interactions and the search for missing heritability: a cross-sectional pharmacogenomics study of the QT interval. *Pharmacogenomics J*. 2014;14(1):6-13.](http://www.ncbi.nlm.nih.gov/pubmed/23459443)
63. [Li X, Bis JC, Sitlani C, Irvin R, Avery CL, Smith AV, Sun F, Evans DS, Musani SK, Trompet S, Krijthe BP, Harris TB, Quibrera PM, Brody JA, Demissie S, Davis BR, Wiggins KL, Tranah GJ, Lange LA, Sotoodehnia N, Stott DJ, Franco OH, Launer LJ, Sturmer T, Taylor KD, Cupples LA, Eckfeldt JH, Smith NL, Liu Y, Wilson JG, Heckbert SR, Buckley BM, Ikram MA, Boerwinkle E, Chen YD, De Craen AJ, Uitterlinden AG, Rotter JI, Ford I, Hofman A, Sattar N, Slagboom PE, Westendorp RG, Gudnason V, Vasan RS, Lumley T, Cummings SR, Taylor HA Jr, Post W, Jukema JW, Stricker BH, Whitsel EA, Psaty BM, Arnett D. Drug-Gene Interactions of Antihypertensive Medications and Risk of Incident Cardiovascular Disease: A Pharmacogenomics Study from the CHARGE Consortium. *PLoS One*. 2015;10(10):e0140496. doi: 10.1371/journal.pone.0140496. eCollection 2015.](https://www.ncbi.nlm.nih.gov/pubmed/26516778)

1. [Li X, de Las Fuentes L, Sung YJ, Sitlani CM, Avery CL, Bartz TM, de Keyser C, Evans DS, Musani SK, Ruiter R, Smith AV, Sun F, Trompet S, Xu H, Cummings SR, Floyd JS, Ford I, Guo X, Harris TB, Ikram MA, Lang L, Launer LJ, Reiner AP, Schwander K, Smith NL, Sotoodehnia N, Steward JD, Stott DJ, Sturmer T, Taylor KD, Uitterlinden A, Vasan RS, Wiggins KL, Liu Y, Psaty BM, Rao DC, Rotter JI, Stricker B, Wilson JG, Whitsel EA. Genome-side Meta-Analysis of Variant-By-Diuretic Interactions as Modulators of Lipid Traits in Persons of European and African Ancestry. *Pharmacogenomics* *J*. 2020;20(3):482-493.](https://pubmed.ncbi.nlm.nih.gov/31806883/?from_single_result=Genome-wide+meta-analysis+of+variant-by-diuretic+interactions+as+modulators+of+lipid+traits+in+persons+of+European+and+African+ancestry&expanded_search_query=Genome-wide+meta-analysis+of+variant-by-diuretic+interactions+as+modulators+of+lipid+traits+in+persons+of+European+and+African+ancestry)
2. [Li X, Floyd JS, Sitlani CM, Avery CL, Noordam R. Smith AV, Gogarten SM, LiJ, Broer L, Evans DS, Trompet S, Brody JA, Stewart JD, Eicher JD, Seyerle AA, Roach J, Lange LA, Lin HJ, Kors JA, Harris TB, Li-Gao R, Sattar N, Cummings SR, Wiggins KL, Napier MD, Sturmer T, Bis JC, Kerr KF, Uitterlinden AG, Taylor KD, Stott DJ, de Mutsert R, Launer LJ, Busch EL, Mendez-Giraldez R, Sotoodehnia N, Soliman EZ, Li Y, Duan Q, Rosendaal FR, Slagboom PE, Wilhelmsen KC, Reiner AP, Chen YD, Heckbert SR, Kaplan RC, Rick KM, Jukema JW, Johnson AD, Liu Y, Mook-Kanamori Do, Gudnason V, Wilson JG, Rotter JI, Laurie CC, Psaty BM, Whitsel EA, Cupples LA, Sticker BH. Large-scale pharmacogenomic study of sulfonylureas and the QT, JT and QRS intervals: CHARGE Pharmacogenomics Working Group. *Pharmacogenomics J*. 2018;18(1):127-135.](https://www.ncbi.nlm.nih.gov/pubmed/27958378)
3. [Li X, Jensen RA, Sim X, Smith AV, Jakobsdottir J, Cheng CY, Brody JA, Cotch MF, Mcknight B, Klein R, Wang JJ, Kifley A, Harris TB, Launer LJ, Taylor KD, Klein BE, Raffel LJ, Li X, Ikram MA, Klaver CC, van der Lee SJ, Mutlu U, Hofman A, Uitterlinden AG, Liu C, Kraja AT; CHARGE Exome Chip Blood Pressure Consortium, Mitchell P, Gudnason V, Rotter JI, Boerwinkle E, van Duijn CM. Novel Genetic Loci Associated With Retinal Microvascular Diameter. *Circ Cardiovasc Genet*. 2016;9(1):45-54.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Novel+Genetic+Loci+Associated+With+Retinal+Microvascular+Diameter)
4. [Li J, Auchincloss AH, Hirsch JA, Melly SJ, Moore KA, Peterson A, Sanchez BN. Exploring the spatial scale effects of built environments on transport walking: Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2022;73:102722. doi: 10.1016/j.healthplace.2021.102722.](https://pubmed.ncbi.nlm.nih.gov/34864555/)
5. [Li X, Kent ST, Rosenson RS, Avery CL, Chen YI, Correa A, Cummings SR, Cupples LA, Cushman M, Evans DS, Gudnason V, Harris TB, Howard G, Irvin MR, Judd SE, Jukema JW, Lange L, Levitan EB, Liu Y, Post WS, Postmus I, Pstay BM, Rotter JI, Safford MM, Sitlani CM, Smith AV, Steward JD, Trompet S, Sun F, Vasan RS, Woolley JM, Whitsel EA, Wiggins KL, Wilson JG, Muntner P. PCSK9 Loss-of Function Variants, Low-Density Lipoprotein Cholesterol, and Risk of Coronary Heart Disease and Stroke: Data from 9 Studies of Blacks and Whites. *Circ Cardiovasc Genet*. 2017;10(4):e001632. doi: 10.1161/CIRCGENETICS.116.001632.](https://www.ncbi.nlm.nih.gov/pubmed/28768753)
6. [Li X, Meng W, Shah KP, Pollack S, Toppila I, Hebert HL, McCarthy MI, Groop L, Ahlqvist E, Lyssenko V, Agardh E, Daniell M, Kaidonis G, Craig JE, Mitchell P, Liew G, Kifley A, Wang JJ, Christiansen MW, Jensen RA, Penman A, Hancock HA, Chen CJ, Correa A, Kuo JZ, Chen YI, Rotter JI, Klein R, Klein B, Wong TY, Morris AD, Doney ASF, Colhoun HM, Price AL, Burdon KP, Groop PH, Sandholm N, Grassi MA, Sobrin L, Palmer CNA; Welcome Trust Case Control Consortium 2 (WTCCC2), Surrogate markers for Micro- and Macro-vascular hard endpoints for Innovative diabetes Tools (SUMMIT) study group. A genome-wide association study suggests new evidence for an association of the NADPH Oxidase 4 (NOX4) gene with severe diabetec retinopathy in type 2 diabetes. *Acta Ophthalmol*. 2018;96(7):e811-e819. doi: 10.1111/aos.13769.](https://www.ncbi.nlm.nih.gov/pubmed/30178632)
7. [Li X, Noordam R, Sitlani CM, Avery CL, Stewart JD, Gogarten SM, Wiggins KL, Trompet S, Warren HR, Sun F, Evans DS, Smith AV, Bis JC, Brody JA, Busch EL, Caulfield MJ, Chen YI, Cummings SR, Cupples LA, Duan Q, Franco OH, Mendez-Giraldez R, Harris TB, Heckbert SR, van Heemst D, Hofman A, Floyd JS, Kors JA, Launer LJ, Li Y, Li-Gao R, Lange LA, Lin HJ, de Mutsert R, napier MD, Newton-Cheh C, Poulter N, Reiner AP, Rice KM, Roach J, Rodriguez CJ, Rosendaal FR, Sattar N, Sever P, Seyerle AA, Slagboom PE, Soliman EZ, Sotoodehnia N, Stott DJ, Sturmer T, Taylor KD, Thornton TA, Uitterlinden AG, Wilhelmsen KC, Wilson JG, Gudnason V, Jukema JW, Laurie CC, Liu Y, Mook-Kanamori DO, Munroe PB, Rotter JI, Vasan RS, Psaty BM, Stricker BH, Whitsel EA. A genome-wide interaction analysis of tricyclic/tetracyclic antidepressants and RR and QT intervals: a pharmacogenomics study from the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium. *J Med Genet*. 2017;54(5):313-323.](https://www.ncbi.nlm.nih.gov/pubmed/?term=A+genome-wide+interaction+analysis+of+tricyclic%2Ftetracyclic+antidepressants)
8. [Li X, Postmus I, Trompet S, Deshmukh HA, Barnes MR, Warren HR, Chasman DI, Zhou K, Arsenault BJ, Donnelly LA, Wiggins KL, Avery CL, Griffin P, Feng Q, Taylor KD, Li G, Evans DS, Smith AV, de Keyser CE, Johnson AD, de Craen AJ, Stott DJ, Buckley BM, Ford I, Westendorp RG, Slagboom PE, Sattar N, Munroe PB, Sever P, Poulter N, Stanton A, Shields DC, O’Brien E, Shaw-Hawkins S, Chen YD, Nickerson DA, Smith JD, Dube MP, Boekholdt SM, Hovingh GK, Kastelein JJ, McKeigue PM, Betteridge J, Neil A, Durrington PN, Doney A, Carr F, Morris A, McCarthy MI, Groop L, Ahlqvist E; Welcome Trust Case Control Consortium, Bis JC, Rice K, Smith NL, Lumley T, Whitsel EA, Sturmer T, Boerwinkle E, Ngwa JS, O’Donnell CJ, Vasan RS, Wei WQ, Wilke RA, Liu CT, Sun F, Guo X, Heckbert SR, Post W, Sotoodehnia N, Arnold AM, Stafford JM Ding J, Herrington DM, Kritshevsky SB, Eiriksdottir G, Launer LJ, Harris TB, Chu AY, Giulianni F, MacFadyen JG, Barratt BJ, Nyberg F, Stricker BH, Uitterlinden AG, Hofman A, Rivadeneira F, Emilsson V, Franco OH, Ridker PM, Gudnason V, Liu Y, Denny JC, Ballantyne CM, Rotter JI, Adrienne Cupples L, Psaty BM, Palmer CN, Tardif JC, Colhoun HM, Hitman G, Krauss RM, Wouter Jukema J, Caulfield MJ. Pharmacogenetic meta-analysis of genome-wide association studies of LDL cholesterol response to statins. *Nat* *Commun*. 2014;5:5068. doi: 10.1038/ncomms6068.](https://www.ncbi.nlm.nih.gov/pubmed/25350695)
9. [Li X, Quick C, Zhou H, Gaynor SM, Liu Y, Chen H, Selvaraj MS, Sun R, Dey R, Arnett DK, Bielak LF, Bis JC, Blangero J, Boerwinkle E, Bowden DW, Brody JA, Cade BE, Correa A, Cupples LA, Curan JE, de Vries PS, Duggirala R, Freedman BI, Goring HHH, Guo X, Haessler J, Kalyani RR, Kooperberg C, Kral BG, Lange LA, Manichaikul A, Martin LW, McGarvey ST, Mitchell BD, Montasser ME, Morrison AC, Naseri T, O’Connell JR, Palmer ND, Peyser PA, Psaty BM, Raffield LM, Redline S, Reiner AP, Reupena MS, Rice KM, Rich SS, Sitlani CM, Smith JA, Taylor KD, Vasan RS, Willer CJ, Wilson JG, Yanek LR, Zhao W; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Lipids Working Group; Rotter JI, Natarajan P, Peloso GM, Li Z, Lin X. Powerful, scalable and resource-efficient meta-analysis of rare variant associations in large-whole-genome sequencing studies. *Nat Genet*. 2023;(1):154-164.](https://pubmed.ncbi.nlm.nih.gov/36564505/)
10. [Li X, Seyerle AA, Sitlani CM3e , Noordam R, Gogarten SM, Li J, Evens DS, Sun F, Laaksonen MA, Issacs A, Kirstiansson K, Highland HM, Stewart JD, Harris TB, Trompet S, Bis JC, Peloso GM, Brody JA, Busch EL, Duan Q, Stilp AM, O’Donnell CJ, Macfarlane PW, Floyd JS, Kors JA, Lin HJ, Li-Gao R, Sofer T, Mendez-Giraldez R, Cummings SR, Heckbert SR, Hofman A, Ford I, Li Y, Launer LJ, Porthan K, Newton-Cheh C, Napier MD, Kerr KF, Reiner AP, Rice KM, Roach J, Buckley BM, Soliman EZ, de Mutsert R, Sotoodehnia N, Uitterlinden AG, North KE, Lee CR, Gudnason V, Stumer T, Rosendaal FR, Taylor KD, Wiggins KL, Wilson JG, Chen YD, Kaplan RC, Wilhelmsen K, Cupples LA, Salomaa V, van Duijn C, Jikema JW, Liu Y, Mook-Kanamori DO, Lange LA, Vasan RS, Smith AV, Stricker BH, Laurie CC, Rotter JI, Whitsel EA, Psaty BM, Avery CL. Pharmacogenomics study of thiazide diuretics and QT interval in multi-ethnic populations: the cohorts for heart and aging research in genomic epidemiology. *Pharmacogenomics J*. 2018;18(2):215-226.](https://www.ncbi.nlm.nih.gov/pubmed/28719597)
11. [Li X, Simpson CL, Wojciechowski R, Oexle K, Murgia F, Portas L, Verhoeven VJ, Vitart V, Schache M, Hosseini SM, Hysi PG, Raffel LJ, Cotch MF, Chew E, Klein BE, Klein R, Wong TY, van Duijn CM, Mitchell P, Saw SM, Fossarello M, Wang JJ; DCCT/EDIC Research Group, Polasek O, Campbell H, Rudan I, Oostra BA, Uitterlinden AG, Hofman A, Rivadeneira F, Amin N, Karssen LC, Vingerling JR, Doring A, Bettecken T, Bencic G, Gieger C, Wichmann HE, Wilson JF, Venturini C, Fleck B, Cumberland PM, Rahi JS, Hammond CJ, Hayward C, Wright AF, Paterson AD, Baird PN, Klaver CC, Rotter JI, Pirastu M, Meitinger T, Bailey-Wilson JE, Stambolian D. Genome-wide meta-analysis of myopia and hyperopia provides evidence for replication of 11 loci. *PLoS One.* 2014;9(9):e107110. doi: 10.1371/journal.pone.0107110. eCollection 2014.](https://www.ncbi.nlm.nih.gov/pubmed/25233373)
12. [Li X, Sobrin L, Chong YH, Fan Q, Gan A, Stanwyck LK, Kaidonis G, Craig JE, Kim J, Liao WL, Huang YC, Lee WJ, Hung YJ, Guo X, Hai Y, Ipp E, Pollack S, Hancock H, Price A, Penman A, Mitchell P, Liew G, Smith AV, Gudnason V, Tan G, Klein BEK, Kuo J, Christiansen MW, Psaty BM, Sandow K; Asian Genetic Epidemiology Network Consortium, Jensen RA, Klein R, Cotch MF, Wang JJ, Jia Y, Chen CJ, Chen YI, Rotter JI, Tsai FJ, Hanis CL, Burdon KP, Wong TY, Cheng CY. Genetically Determined Plasma Lipid Levels and Risk of Diabetic Retinopathy: A Mendelian Randomization Study. *Diabetes*. 2017;66(12):3130-3141.](https://www.ncbi.nlm.nih.gov/pubmed/28951389)
13. [Li X, Stambolian D, Wojciechowski R, Oexle K, Pirastu M, Raffel LJ, Cotch MF, Chew EY, Klein B, Klein R, Wong TY, Simpson CL, Klaver CC, van Duijn CM, Verhoeven VJ, Baird PN, Vitart V, Paterson AD, Mitchell P, Saw SM, Fossarello M, Kazmeirkeiwicz K, Murgia F, Prtas L, Schache M, Richardson A, Xie J, Wang JJ, Rochtchina E; DCCT/EDIC Research Group, Viswanathan AC, Hayward C, Wright AF, Polasek O, Campbell H, Rudan I, Oostra BA, Uitterlinden AG, Hofman A, Rivadeneira F, Amin N, Karssen LC, Vingerling JR, Hosseini SM, Doring A, Bettecken T, Vatavuk Z, Gieger C, Wichmann HE, Wilson JF, Fleck B, Foster PJ, Topouzis F, McGuffin P, Sim X, Inouye M, Holliday EG, Attia J, Scott RJ, Rotter JL, Meitinger T, Bailey-Wilson JE. Meta-analysis of genome-wide association studies in five cohorts reveals common variants in RBFOX1, a regulator of tissue-specific splicing, associated with refractive error. *Hum Mol Genet*. 2013;22(13):2754-2764.](http://www.ncbi.nlm.nih.gov/pubmed/23474815)
14. [Li Y, Dawood FZ, Chen H, Jain A, Walsh JA 3rd, Alonso A, Lloyd-Jones DM, Soliman EZ. Minor Isolated Q Waves and Cardiovascular Events in the MESA Study. *Am J Med*. 2013;126(5):450.e9-450.e16.](http://www.ncbi.nlm.nih.gov/pubmed/23582938)
15. [Li Y, Jiang MZ, Aguet F, Ardlie K, Chen J, Cornell E, Cruz D, Durda P, Gabriel SB, Gerszten RE, Guo X, Johnson CW, Kasela S, Lange LA, Lappalainen T, Liu Y, Reiner AP, Smith J, Sofer T, Taylor KD, Tracy RP, VanDenBerg DJ, Wilson JG, Rich SS, Rotter JI, Love MI, Raffield LM; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Analysis Working Group. Canonical correlation analysis for multi-omics: Application to cross-cohort analysis. *PLoS Genet*. 2023;19(5):e1010517. doi: 10.1371/journal.pgen.1010517.](https://pubmed.ncbi.nlm.nih.gov/37216410/)
16. [Li Y, Kowalski MH, Qian H, Hou Z, Rosen JD, Tapia AL, Shan Y, Jain D, Argos M, Arnett DK, Avery C, Barnes KC, Becker LC, Bien SA, Bis JC, Blangero J, Boerwinkle E, Bowden DW, Buyske S, Cai J, Cho MH, Choi SH, Choquet H, Cupples LA, Cushman M, Daya M, de Vries P, Ellinor PT, Faraday N, Fornage M, Gabriel S, Ganesh SK, Graff M, Gupta N, He J, Heckbert SR, Hidalgo B, Hodonsky CJ, Irvin MR, Johnson AD, Jorgensen E, Kaplan R, Kardia SLR, Kelly TN, Kooperberg C, Lasky-Su JA, Loos RJF, Lubitz SA, Mathias RA, McHugh CP, Montgomery C, Moon JY, Morrison AC, Palmer ND, Pankratz N, Papanicolaou GJ, Peralta JM, Peyser PA, Rich SS, Rotter JI, Silverman EK, Smith JA, Smith NL, Taylor KD, Thornton TA, Tiwari HK, Tracy RP, Wang T, Weiss ST, Wend LC, Wiggins KL, Wilson JG, Yanek LR, Zollner S, North KE, Auer PL; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Hematology & Hemostasis Working Group; Raffield LM, Reiner AP. Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations. *PLoS Genet*. 2019;15(12):e1008500. doi: 10.1371/journal.pgen.1008500. eCollection 2019 Dec.](https://pubmed.ncbi.nlm.nih.gov/31869403/)
17. [Li Y, Wen J, Xie M, Rowland B, Rosen JD, Sun Q, Chen J, Tapia AL, Qian H, Kowalski MH, Shan Y, Young KL, Graff M, Argos M, Avery CL, Bien SA, Buyske S, Yin J, Choquet H, Fornage M, Hodonsky CJ, Jorgensen E, Kooperberg C, Loos RJF, Liu Y, Moon JY, North KE, Rich SS, Rotter JI, Smith JA, Zhao W, Shang L, Wang T, Zhou X, Reiner AP, Raffield LM. Transcriptome-Wide Association Study of Blood Cell Traits in African Ancestry and Hispanic/Latino Populations. *Genes (Basel)*. 2021;12(7):1049. doi: 10.3390/genes12071049.](https://pubmed.ncbi.nlm.nih.gov/34356065/)
18. [Li Z, Li X, Zhou H, Gaynor SM, Selvaraj MS, Arapoglau T, Quick C, Liu Y, Chen H, Sun R, Dey R, Arnett DK, Auer PL, Bielak LF, Bis JC, Blackwell TW, Blangero J, Boerwinkle E, Bowden DW, Brody JA, Cade BE, Conomos MP, Correa A, Cupples LA, Curran JE, de Vries PS, Duggirala R, Franceschini N, Freedman BI, Goring HHH, Guo X, Kalyani RR, Kooperberg C, Kral BG, Lang LA, Lin BM, Manichaikul A, Manning AK, Martin LW, Mathias RA, Beigs JB, Mitchell BD, Montasser ME, Morrison AC, Naseri T, O’Connell JR, Palmer ND, Peyser PA, Psaty BM, Raffield LM, Redline S, Reiner AP, Reupena MS, Rice KM, Rich SS, Smith JA, Taylor KD, Taub MA, Vasan RS, Weeks DE, Wilson JG, Yanek LR, Zhao W, NHLTI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Lipids Working Group; Rotter JI, Willer CJ, Natarajan P, Peloso GM, Lin X. A framework for detecting noncoding rare-variant associations of large-scale whole-genome sequencing studies. *Nat Methods*. 2022;19(12):1599-1611.](https://pubmed.ncbi.nlm.nih.gov/36303018/)
19. [Liang CJ, Budoff MJ, Kaufman JD, Kronmal RA, Brown ER. An alternative method for quantifying coronary artery calcification: the multi-ethnic study of atherosclerosis (MESA). *BMC Med Imaging*. 2012;12(1):14.](http://www.ncbi.nlm.nih.gov/pubmed/22747658)
20. [Liang S, Steffen LM, Steffen BT, Guan W, Weir NL, Rich SS, Manichaikul A, Vargas JD, Tsai MY. APOE genotype modifies the association between plasma omega-3 fatty acids and plasma lipids in the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2013;228(1):181-187.](http://www.ncbi.nlm.nih.gov/pubmed/23466070)
21. [Lidani KCF, Trainor PJ, Bhatia HS, Nasir K, Blaha MJ, Tsai MY, Gottesman RF, Post WS, Thanassoulis G, Tsimikas S, Heckbert SR, DeFilippis AP. Atherothrombotic and thrombolytic biomarkers in incident stroke and atrial fibrillation-related stroke: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2024 Jan 10. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38262276/)
22. [Lilly SM, Jacobs DR Jr, Kronmal R, Bluemke DA, Criqui M, Lima J, Allison M, Duprez D, Segers P, Chirinos JA. Arterial compliance across the spectrum of ankle-brachial index: the multiethnic study of atherosclerosis. *Atherosclerosis*. 2014;233(2):691-696.](http://www.ncbi.nlm.nih.gov/pubmed/24583417)
23. [Lim DJ, Ambale-Venkatesh B, Ostovaneh MR, Zghaib T, Ashikaga H, Wu C, Watson KE, Hughes T, Shea S, Heckbert SR, Bluemke DA, Post WS, Lima JAC. Change in left atrial function predicts incident atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J Cardiovasc Imaging*. 2019;20(9):979-987.](https://www.ncbi.nlm.nih.gov/pubmed/31356656)
24. [Lin GM, Colangelo LA, Klein BEK, Cotch MF, Wong TY, Cheung CY, Heckbert SR, Alonso A, Kwon Y, Kronmal RA, Lloyd-Jones DM, Liu K. Association of Retinal Microvascular Signs with Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. *Ophthalmol Retina*. 2021;5(1):78-85.](https://pubmed.ncbi.nlm.nih.gov/32565383/)
25. [Lin GM, Colangelo LA, Lloyd-Jones DM, Redline S, Yeboah J, Heckbert SR, Nazarian S, Alonso A, Bluemke DA, Punjabi NM, Szklo M, Liu K. Association of Sleep Apnea and Snoring With Incident Atrial Fibrillation in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2015;182(1):49-57.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Association+of+Sleep+Apnea+and+Snoring+With+Incident+Atrial+Fibrillation)
26. [Lin GM, Liu K, Colangelo LA, Lakoski SG, Tracy RP, Greenland P. Low-Density Lipoprotein Cholesterol Concentrations and Association of High-Sensitivity C-Reactive Protein Concentrations With Incident Coronary Heart Disease in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2016;183(1):46-52.](http://www.ncbi.nlm.nih.gov/pubmed/26597828)
27. [Lin GM, Lloyd-Jones DM, Colangelo LA, Lima JAC, Szklo M, Liu K. Association between secondhand smoke exposure and incident heart failure: The Multi-Ethnic Study of Atherosclerosis (MESA). *Eur J Heart Fail*. 2024 Jan 30. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38291555/)
28. [Lin GM, Lloyd-Jones DM, Colangelo LA, Szklo M, Heckbert SR, Chen LY, Lima JAC, Liu K. Secondhand tobacco smoke exposure, urine cotinine, and risk of incident atrial fibrillation: The multi-ethnic study of atherosclerosis. *Prog Cardiovasc Dis*. 2022;74:38-44.](https://pubmed.ncbi.nlm.nih.gov/36279945/)
29. [Lin GM, Redline S, Klein R, Colangelo LA, Cotch MF, Wong TY, Klein BE, Patel SR, Shea SJ, Liu K. Sex-Specific Association of Obstructive Sleep Apnea With Retinal Microvascular Signs: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2016;5(7). pii: e003598. doi: 10.1161/JAHA.116.003598.](http://www.ncbi.nlm.nih.gov/pubmed/27451457)
30. [Lin HJ, Bihlmeyer NA, Brody JA, Smith AV, Warren HR, Lin H, Isaacs A, Liu CT, Marten J, Radmanesh F, Hall LM, Grarup N, Mei H, Muller-Nurasyid M, Huffman JE, Verweij N, Guo X, Yao J, Li-Gao R, van den Berg M, Weiss S, Prins BP, van Setten J, Haessler J, Lyytikainen LP, Li M, Alonso A, Soliman EZ, Bis JC, Austin T, Chen YI, Psaty BM, Harris TB, Launer LJ, Padmanabhan S, Dominiczak A, Huang PL, Xie Z, Ellinor PT, Kors JA, Campbell A, Murray AD, Nelson CP, Tobin MD, Bork-Jensen J, Hansen T, Pedersen O, Linneberg A, Sinner MF, Peters A, Waldenberger M, Meitinger T, Perz S, Kolcic I, Rudan I, de Boer RA, van der Meer P, Taylor KD, de Mutsert R, Trompet S, Jukema JW, Maan AC, Stricker BHC, Rivadeneira F, Uitterlinden A, Volker U, Homuth G, Volzke H, Felix SB, Mangino M, Spector TD, Bots ML, Perez M, Raitakari OT, Kahonen M, Mononen N, Gudnason V, Munroe PB, Lubitz SA, van Duijn CM, Newton-Cheh CH, Hayward C, Rosand J, Samani NJ, Kanters JK, Wilson JG, Kaab S, Polasek O, van der Harst P, Heckbert SR, Rotter JI, Mook-Kanamori DO, Eijgelsheim M, Dorr M, Jamshidi Y, Asselbergs FW, Kooperberg C, Lehtimaki T, Arking DE, Sotoodehnia N. ExomeChip-Wide Analysis of 95 626 Individuals Identifies 10 Novel Loci Associated With QT and JT Intervals. *Circ Genom Precis Med*. 2018;11:e001758. doi: 10.1161/CIRCGEN.117.001758.](https://www.ncbi.nlm.nih.gov/pubmed/29874175)
31. [Lin HJ, Christophersen IE, Reinstra M, Roselli C, Yin X, Geelhoed B, Barnard J, Lin H, Arking DE, Smith AV, Albert CM, Chaffin M, Tucker NR, Li M, Klarin D, Bihlmeyer NA, Low SK, Weeke PE, Muller-Nurasyid M, Smith JG, Brody JA, Niemeijer MN, Dorr M, Trompet S, Huffman J, Gustafsson S, Schurmann C, Kleber ME, Lyytikainen LP, Seppala I, Malik R, Horimoto ARVR, Perez M, Sinisalo J, Aeschbacher S, Theriault S, Yao J, Radmanesh F, Weiss S, Teumer A, Choi SH, Weng LC, Clauss S, Deo R, Rader DJ, Shah SH, Sun A, Hopewell JC, Debette S, Chauhan G, Yang Q, Worrall BB, Pare G, Kamatani Y, Hagemeijer YP, Verweij N, Siland JE, Kubo M, Smith JD, Van Wagoner DR, Bis JC, Perz S, Psaty BM, Ridker PM, Magnani JW, Harris TB, Launer LJ, Shoemaker MB, Padmanabhan S, Haessler J, Bartz TM, Waldenberger M, Lichtner P, Arendt M, Kriger JE, Kahonen M, Risch L, Mansur AJ, Peters A, Smith BH, Lind L, Scott SA, Lu Y, Bottinger EB, Hernesniemi J, Lindgren CM, Wong JA, Huang J, Eskola M, Morris AP, Ford I, Reiner AP, Delgado G, Chen LY, Chen YI, Sandhu RK, Li M, Boerwinkle E, Eisele L, Lannfelt L, Rost N, Anderson CD, Taylor KD, Campbell A, Magnusson PK, Porteous D, Hocking LJ, Vlachopoulou E, Pedersen NL, Nikus K, Orho-Melander M, Hamsten A, Heeringa J, Denny JC, Kriebel J, Darbar D, Newton-Cheh C, Shaffer C, Macfarlane PW, Heilmann-Heimbach S, Almgren P, Huang PL, Sotoodehnia N, Soliman EZ, Uitterlinden AG, Hofman A, Franco OH, Volker U, Jockel KH, Sinner MF, Guo X; METASTROKE Consortium of the ISGC; Neurology Working Group of the CHARGE Consortium, Dichgans M, Ingelsson E, Kooperberg C, Melander O, Loos RJF, Laurikka J, Conen D, Rosand J, van der Harst P, Lokki ML, Kathieresan S, Pereira A, Jukema JW, Hayward C, Rotter JI, Marz W, Lehtimaki T, Stricker BH, Chung MK, Felix SB, Gudnason V, Alonso A, Roden DM, Kaab S, Chasman DI, Heckbert SR, Benjamin EJ, Tanaka T, Lunetta KL, Lubitz SA, Ellinor PT; AFGen Consortium. Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. *Nat Genet*. 2017;49(6):946-952.](https://www.ncbi.nlm.nih.gov/pubmed/28416818)
32. [Lin HJ, Christophersen IE, Rienstra M, Roselli C, Yin X, Geelhoed B, Barnard J, Lin H, Arking DE, Smith AV, Albert CM, Chaffin M, Tucker NR, Li M, Klarin D, Bihlmeyer NA, Low SK, Weeke PE, Muller-Nurasyid M, Simth JG, Brody JA, Niemijer MN, Dorr M, Trompet S, Huffman J, Gustafsson S, Schurmann C, Kleber ME, Lyytikainen LP, Seppala I, Malik R, R V R Horimoto A, Perez M, Sinisalo J, Aeschbacher S, Theriault S, Yao J, Radmanesh F, Weiss S, Teumer A, Choi SH, Weng LC, Clauss S, Deo R, Rader DJ, Shah SH, Sun A, Hopewell JC, Debette S, Chauhan G, Yang Q, Worrall BB, Pare G, Kamatani Y, Hagemeijer YP, Verweij N, Siland JE, Kubo M, Smith JD, Van Wangoner DR, Bis JC, Perz S, Psaty BM, Ridker PM, Magnani JW, Harris TB, Launer LJ, Shoemaker MB, Padmanabhan S, Haessler J, Bartz TM, Waldenberger M, Lichtner P, Arendt M, Krieger JE, Kahonen M, Risch L, Mansur AJ, Peters A, Smith BH, Lind L, Scott SA, Lu Y, Bottinger EB, Hernesniemi J, Lindgren CM, Wong JA, Huang J, Eskola M, Morris AP, Ford I, Reiner AP, Delgado G, Chen LY, Chen YI, Sandhu RK, Li M, Boerwinkle E, Eisele L, Lannfelt L, Rost N, Anderson CD, Taylor KD, Campbell A, Magnusson PK, Porteous D, Hocking LJ, Vlachopoulou E, Pedersen NL, Nikus K, Orho-Melander M, Hamsten A, Heeringa J, Denny JC, Kriebel J, Darbar D, Newton-Cheh C, Shaffer C, Macfarlane PW, Heilmann-Heimback S, Almgren P, Huang PL, Sotoodehnia N, Soliman EZ, Uitterlinden AG, Hofman A, Franco OH, Volker U, Jockel KH, Sinner MF, Lin HJ, Guo X; METASTROKE Consortium of the ISGC, Neurology Working Group of the CHARGE Consortium, DichgansM, Ingelsson E, Kooperberg C, Melander O, J F Loos R, Laurikka J, Conen D, Rosand J, van der Harst P, Lokki ML, Kathiresan S, Pereira A, Jukema JW, Hayward C, Rotter JI, Marz W, Lehtimaki T, Stricker BH, Chung MK, Felix SB, Gudnason V, Alonso A, Roden DM, Kaab S, Chasman DI, Heckbert SR, Benjamin EJ, Tanaka T, Lunetta KL, Lubitz SA, Ellinor PT; AFGen Consortium. Erratum: Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. *Nat Genet*. 2017;49(8):1286. doi: 10.1038/ng0817-1286c.](https://www.ncbi.nlm.nih.gov/pubmed/?term=28747752)
33. [Lin HJ, Ellervik C, Roselli C, Christophersen IE, Alonso A, Pietzner M, Sitlani CM, Trompet S, Arking DE, Geelhoed B, Guo X, Kleber ME, Lin H, MacFarlane P, Selvin E, Shaffer C, Smih AV, Verweij N, Weiss S, Cappola AR, Dorr M, Gudnason V, Heckbert S, Mooijaart S, Marz W, Psaty BM, Ridker PM, Roden D, Stott DJ, Volzke H, Benjamin EJ, Delgado G, Ellinor P, Homuth G, Kottgen A, Jukema JW, Lubitz SA, Mora S, Rienstra M, Rotter JI, Shoemaker MB, Sotoodehnia N, Taylor KD, vander Harst P, Albert CM, Chasman DI. Assessment of the Relationship Between Genetic Determinants of Thyroid Function and Atrial Fibrillation: A Mendelian Randomization Study. *JAMA Cardiol*. 2019;4(2):144-152.](https://www.ncbi.nlm.nih.gov/pubmed/30673084)
34. [Lin HJ, Kerr KF, Avery CL, Lin HJ, Raffield LM, Zhang QS, Browning BL, Browning SR, Conomos MP, Gogarten SM, Laurie CC, Sofer T, Thornton TA, Hohensee C, Jackson RD, Kooperberg C, Li Y, Mendez-Giraldez R, Perez MV, Peters U, Reiner AP, Zhang ZM, Yao J, Sotoodehnia N, Taylor KD, Guo X, Lange LA, Soliman EZ, Wilson JG, Rotter JI, Heckbert SR, Jain D, Whitsel EA. Genome-wide association study of heart rate and its variability in Hispanic/Latino cohorts. *Heart Rhythm*. 2017;14(11):1675-1684.](https://www.ncbi.nlm.nih.gov/pubmed/28610988)
35. [Lin HJ, Lin H, van Setten J, Smith AV, Bihlmeyer NA, Warren NR, Brody JA, Radmanesh F, Hall L, Grarup N, Muller-Nurasyid M, Boutin T, Verweij N, Li-Gao R, van den Berg ME, Marten J, Wiss S, Prins BP, Haessler J, Lyytikainen LP, Mei H, Harris TB, Launer LJ, Li M, Alonso A, Soliman EZ, Connell JM, Huang PL, Weng LC, Jameson HS, Hucker W, Hanley A, Tucker NR, Chen YI, Bis JC, Rick KM, Sitlani CM, Kors JA, Xie Z, Wen C, Magnani JW, Nelson CP, Kanters JK, Sinner MF, Strauch K, Peters A, Waldenberger M, Meitinger T, Bork-Jensen J, Pedersen O, Linneberg A, Rudan I, de Boer RA, van der Meer P, Yao J, Guo X, Taylor KD, Sotoodehnia N, Rotter JI, Mook-Kanamori DO, Trompet S, Rivadeneira F, Uitterlinden A, Eijgelsheim M, Padmanabhan S, Smith BH, Volzke H, Felix SB, Homuth G, Volker U, Mangino M, Spector TD, Bots ML, Perez M, Kahonen M, Raitakari OT, Gudnason V, Arking DE, Monroe PB, Psaty BM, van Duijn CM, Benjamin EJ, Rosand J, Samani NJ, Hansen T, Kaab S, Polasek O, van der Harst P, Heckbert SR, Jukema JW, Stricker BH, Hayward C, Dorr M, Jamshidi Y, Asselbergs FW, Kooperberg C, Lehtimaki T, Wilson JG, Ellinor PT, Lubitz SA, Isaacs A. Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. *Circ Genom Precis Med*. 2018;11(5):e002037. doi: 10.1161/CIRCGEN.117.002037.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Common+and+Rare+Coding+Genetic+Variation+Underlying+the+Electrocardiographic+PR+Interval)
36. [Lin HJ, Lubitz SA, Yin X, Kolek M, Smith JG, Trompet S, Rienstra M, Rost NS, Teixeira PL, Almgren P, Anderson CD, Chen LY, Engstrom G, Ford I, Furie KL, Guo X, Larson MG, Lunetta KL, Macfarlane PW, Psaty BM, Soliman EZ, Sotoodehnia N, Stott DJ, Taylor KD, Weng LC, Yao J, Geelhoed B, Verweij N, Siland JE, Kathiresan S, Roselli C, Roden DM, van der Harst P, Darbar D, Jukema JW, Melander O, Rosand J, Rotter JI, Heckbert SR, Ellinor PT, Alonso A, Benjamin EJ; AFGen Consortium. Genetic Risk Prediction of Atrial Fibrillation. *Circulation*. 2017;135(14):1311-1320.](https://www.ncbi.nlm.nih.gov/pubmed/27793994)
37. [Lin HJ, Mendez-Giraldez R, Gogarten SM, Below JE, Yao J, Seyerle AA, Highland HM, Kooperberg C, Soliman EZ, Rotter JI, Kerr KF, Ryckman KK, Taylor KD, Petty LE, Shah SJ, Conomos MP, Sotoodhnia N, Cheng S, Heckbert SR, Sofer T, Guo X, Whitsel EA, Hanis CL, Laurie CC, Avery CL. GWAS of the electrocardiographic QT interval in Hispanic/Latinos generalizes previously identified loci and identifies population-specific signals. *Sci Rep*. 2017;7(1):17075. doi: 10.1038/s41598-017-17136-0.](https://www.ncbi.nlm.nih.gov/pubmed/?term=GWAS+of+the+electrocardiograpic+QT+interval+in+Hispanic%2FLatinos)
38. [Lin HJ, Napier MD, Franceschini N, Gondalia R, Stewart JD, Mendez-Giraldez R, Sitlani CM, Seyerle AA, Highland HM, Li Y, Wilhelmsen KC, Yan S, Duan Q, Roach J, Yao J, Guo X, Taylor KD, Heckbert SR, Rotter JI, North KE, Reiner AP, Zhang ZM, Tinker LF, Liao D, Laurie CC, Godarten SM, Brody JA, Bartz TM, Psaty BM, Sotoodehnia N, Soliman EZ, Avery CL, Whitsel EA. Genome-wide association study and meta-analysis identify loci associated with ventricular and supraventricular ectopy. *Sci Rep*. 2018;8(1):5675. doi: 10.1038/s41598-018-23843-z.](https://www.ncbi.nlm.nih.gov/pubmed/?term=29618737)
39. [Lin HJ, Noordam R, Young WJ, Salman R, Kanters JK, van den Berg ME, van Heemst D, Barreto SM, Biggs ML, Biino G, Catamo E, Concas, MP, Ding J, Evens DS, Foco L, Grarup N, Lyytikainen LP, Mangino M, Mei H, van der Most PJ, Muller-Nurasyid M, Nelson CP, Qian Y, Repetto L, Said MA, Shah N, Schramm K, Vidigal PG, Weiss S, Yao J, Zilhao NR, Brody, JA, Braund PS, Brumat M, Campana E, Christofidou P, Caulfield MJ, De Grandi A, Dominiczak AF, Doney ASF, Eiriksdottir G, Ellervik C, Giatti L, Gogele M, Graff C, Guo X, van der Harst P, Joshi PK, Kahonen M, Kestenbaum B, Lima-Costa MF, Linneberg A, Maan AC, Metinger T, Padmanabhan S, Pattaro C, Peters A, Petersmann A, Sever P, Sinner MF, Shen X, Stanton A, Strauch K, Soliman EZ, Tarasov KV, Taylor KD, Thio CHL, Uitterlinden AG, Vaccargiu S, Waldenberger M, Robino A, Correa A, Cucca F, Cummings SR, Dorr M, Girotto G, Gudnason V, Hansen T, Heckbert SR, Juhl CR, Kaab S, Lehtimaki T, Liu Y, Lotufo PA, Palmer CNA, Pirastu M, Pramstaller PP, Ribeiro ALP, Rotter JI, Samani NJ, Snieder H, Spector TD, Stricker BH, Verweij N, Wilson JF, Wilson JG, Jukema JW, Tinker A, Newton-Cheh CH, Sotoodehnia N, Mook-Kanamori DO, Munroe PB, Warren HR. Effects of Calcium, Magnesium, and Potassium Concentrations on Vetricular Repolarization in Unselected Individuals. *J Am Coll Cardiol*. 2019;73(24):3118-3131.](https://www.ncbi.nlm.nih.gov/pubmed/31221261)
40. [Lin HJ, Ntalla I, Weng LC, Cartwright JH, Hall AW, Sveinbjornsson G, Tucker NR, Choi SH, Chaffin MD, Roselli C, Barnes MR, Mifsud B, Warren HR, Hayward C, Marten J, Cranley JJ, Concas MP, Gasparini P, Boutin T, Kolcic I, Polasek O, Rudan I, Araujo NM, Lima-Costa MF, Ribeiro ALP, Souza RP, Tarazona-Santos E, Giedraitis V, Ingelsson E, Mahajan , Morris AP, Del Greco M F, Foco L, Gogele M, Hicks AA, Cook JP, Lind L, Lindgren CM, Sundstrom J, Nelson CP, Riaz MB, Samani NJ, Sinagra G, Ulivi S, Kahonen M, Mishra PP, Mononen N, Nikus K, Caulfield MJ, Dominiczak A, Padmanabhan S, Montasser ME, O’Connell JR, Ryan K, Shuldiner AR, Aeschbacher S, Conen D, Risch L, Theriault S, Hutri-Kahonen N, Lehtimaki T, Lyytikainen LP, Raitakari OT, Barnes CLK, Campbell H, Joshi PK, Wilson JF, Isaacs A, Kors JA, van Duijn CM, Huang PL, Gudnason V, Harris TB, Launer LJ, Smith AV, Bottinger EP, Loos RJF, Nadkarni GN, Preuss MH, Correa A, Mei H, Wilson J, Meitinger T, Muller-Nurasyid M, Peters A, Waldenberger M, Mangino M, Spector T, Rienstra M, van de Vegte YJ, van der Harst P, Verweij N, Kaab S, Schramm K, Sinner MF, Strauch K, Cutler MJ, Fatkin D, London B, Olesen M, Roden DM, Benjamin Shoemaker M, Gustav Smith J, Biggs ML, Bis JC, Brody JA, Psaty BM, Rice K, Sotoodehnia N, De Grandi A, Fuchsberger C, Pattaro C, Pramstaller PP, Ford I, Wouter Jukema J, Macfarlane PW, Trompet S, Dorr M, Felix SB, Volker U, Weiss S, Havulinna AS, Jula A, Saaksjarvi K, Salomaa V, Guo , Heckbert SR, Rotter JI, Taylor KD, Yao J, de Mutsert R, Maan AC, Mook-Kanamori DO, Noordam R, Cucca F, Ding J, Lakatta EG, Qian Y, Tarasov KV, Levy D, Lin H, Newton-Cheh CH, Lunetta KL, Murray AD, Porteous DJ, Smith BH, Stricker BH, Uitterlinden A, van den Berg ME, Haessler J, Jackson RD, Kooperberg C, Peters U, Reiner AP, Whitsel EA, Alonso A, Arking DE, Boerwinkle E, Ehret GB, Soliman EZ, Avery CL, Gogarten SM, Kerr KF, Laurie CC, Seyerle AA, Stilp A, Assa S, Abdullah Said M, Yldau van der Ende M, Lambiase PD, Orini M, Ramirez J, Van Duijvenboden S, Arnar DO, Gudbjartsson DF, Holm H, Sulem P, Thorleifsson G, Thorolfdottir RB, Thorsteinsdottir U, Benjamin EJ, Tinker A, Stefansson K, Ellinor PT, Jamshidi Y, Lubitz SA, Munroe PB. Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. *Nat Commun*. 2020;11(1):2542. doi: 10.1038/s41467-020-15706-x.](https://pmlegacy.ncbi.nlm.nih.gov/pubmed/?term=Multi-ancestry+genome-wide+association+meta-analysis+of+the+electrocardiographic)
41. [Lin HJ, Roselli C, Chaffin MD, Weng LC, Aeschbacher S, Ahlberg G, Albert CM, Almgren P, Alonso A, Anderson CD, Aragam KG, Arking DE, Barnard J, Bartz TM, Benjamin EJ, Bihlmeyer NA, Bis JC, Bloom HL, Boerwinkle E, Bottinger EB, Brody JA, Calkins H, Campbell A, Cappola TP, Carlquist J, Chasman DI, Chen LY, Chen YI, Choi EK, Choi SH, Christophersen IE, Chung MK, Cole JW, Conen D, Cook J, Crijns HJ, Cutler MJ, Damrauer SM, Daniels BR, Darbar D, Delgado G, Denny JC, Dichgans M, Dorr M, Dudink EA, Dudley SC, Esa N, Esko T, Eskola M, Fatkin D, Felix SB, Ford I, Franco OH, Geelhoed B, Grewal RP, Gudnason V, Guo X, Grupta N, Gustafsson S, Gutmann R, Hamsten A, Harris TB, Hayward C, Heckbert SR, Hernesniemi J, Hocking LJ, HOfman A, Horimoto ARVR, Huang J, Huang PL, Huffman J, Ingelsson E, Ipek EG, Ito K, Jimenez-Conde J, Johnson R, Jukema JW, Kaab S, Kahonen M, Kamatani Y, Kane JP, Kastrati A, Kathiresan S, Katschnig-Winter P, Kavousi M, Kessler T, Kietselaer BL, Kirchhof P, Kleber ME, Knight S, Krieger JE, Kubo M, Launer LJ, Laurikka J, Lehtimaki T, Leineweber K, Lemaitre RN, Li M, Lim HE, Lin HJ, Lin H, Lind L, Lindgren CM, Lokki ML, London B, Loos RJF, Low SK, Lu Y, Lyytikainen LP, Macfarlane PW, Magnusson PK, Mahajan A, Malik R, Mansur AJ, Marcus GM, Margolin L, Margulies KB, Marz W, McManus DD, Melander O, Mohanty S, Montgomery JA, Morley MP, Morris AP, Muller-Nurasyid M, Natale A, Nazarian S, Neumann B, Newton-Cheh C, Niemeijer MN Nikus K, Nilsson P, Noordam R, Oellers H, Olesen MS, Orho-Melander M, Padmanabhan S, Pak HN, Pare G, Pedersen NL, Pera J, Pereira A, Porteous D, Psaty BM, Pulit SL, Pullinger CR, Rader DJ, Refsgaard L, Ribases M, Ridker PM, Rienstra M, Risch L, Roden DM, Rosand J, Rosenberg MA, Rost N, Rotter JI, Saba S, Sandhu RK, Schnabel RB, Schramm K, Schunkert H, Schurman C, Scott SA, Seppala I, Shaffer C, Shah S, Shalaby AA, Shim J, Shoemaker MB, Siland JE, Sinisalo J, Sinner MF, Slowik A, Smith AV, Smith BH, Smith JG, Smith JD, Smith NL, Soliman EZ, Sotoodehnia N, Stricker BH, Sun A, Sun H, Svendsen JH, Tanaka T, Tanriverdi K, Taylor KD, Teder-Laving M, Teumer A, Theriault S, Trompet S, Tucker NR, Tveit A, Uitterlinden AG, Van Der Harst P, Van Gelder IC, Van Wagoner DR, Verweij N, Vlachopoulou E, Voker U, Wang B, Weeke PE, Weijs B, Weiss R, Weiss S, Wells QS, Wiggins KL, Wong JA, Woo D, Worrall BB, Yang PS, Yao J, Yoneda ZT, Zeller T, Zeng L, Lubitz SA, Lunetta KL, Ellinor PT. Multi-ethnic genome-wide association study for atrial fibrillation. *Nat* Genet. 2018;50(9):1225-1233.](https://www.ncbi.nlm.nih.gov/pubmed/?term=29892015)
42. [Lin HJ, Severele AA, Gogarten SM, Stilp A, Mendez Giraldez R, SolimanE, Baldassari A, Graff M, Heckbert S, Kerr KF, Kooperberg C, Rodriguez C, Guo X, Yao J, Sotoodehnia N, Taylor KD, Whitsel EA, Rotter JI, Laurei CC, Avery C. Genome-wide association study of PR interval in Hispanics/Latinos identifies novel locus at ID2. *Heart*. 2018;104(11):904-911.](https://www.ncbi.nlm.nih.gov/pubmed/29127183)
43. [Lin HJ, Swenson BR, Louie T, Mendez-Giraldez R, Below JE, Laurie CC, Kerr KF, Highland H, Thornton TA, Ryckman KK, Kooperberg C, Soliman EZ, Seyerle AA, Guo X, Taylor KD, Yao J, Heckbert SR, Darbar D, Petty LE, McKnight B, Cheng S, Bello NA, Whitsel EA, Hanis CL, Nalls MA, Evans DS, Rotter JI, Sofer T, Avery CL, Sotoodehnia N. GWAS of QRS duration identifies new loci specific to Hispanic/Latino populations. *PLoS One*. 2019;14(6):e0217796. doi: 10.1371/journal.pone.0217796. eCollection 2019.](https://www.ncbi.nlm.nih.gov/pubmed/31251759)
44. [Lin HJ, van den Berg ME, Warren HR, Cabrera CP, Verweij N, Mifsud B, Haessler J, Bihlmeyer NA, Fu YP, Weiss S, Lin HJ, Grarup N, Li-Gao R, Pistis G, Shah N, Brody JA, Muller-Nurasyid M, Mei H, Smith AV, Lyytikainen LP, Hall LM, van Setten J, Trompet S, Prins BP, Isaacs A, Radmanesh F, Marten J, Entwistle A, Kors JA, Silva CT, Alonso A, Bis JC, de Boer R, de Haan HG, de Mutsert R, Dedoussis G, Dominiczak AF, Doney ASF, Ellinor PT, Eppinga RN, Felix SB, Guo X, Hagemeijer Y, Hansen T, Harris TB, Heckbert SR, Huang PL, Hwang SJ, Kahonen M, Kanters JK, Kolcic I, Launer LJ, Li M, Yao J, Linneberg A, Liu S, Macfarlane PW, Mangino M, Morris AD, Mulas A, Murray AD, Nelson CP, Orru M, Padmanabhan S, Peters A, Porteous DJ, Poulter N, Psaty BM, Qi L, Raitakari OT, Rivadeneira F, Roselli C, Rudan I, Sattar N, Sever P, Sinner MF, Soliman EZ, Spector TD, Stanton AV, Stirrups KE, Taylor KD, Tobin MD, Uitterlinden A, Vaartjes I, Hoes AW, van der Meer P, Volker U, Waldenberger M, Xie Z, Zoledziewska M, Tinker A, Polasek O, Rosand J, Jamshidi Y, van Duijn CM, Zeggini E, Jukema JW, Asselbergs FW, Samani NJ, Lehtimaki T, Gudnason V, Wilson J, Lubitz SA, Kaab S, Sotoodehnia N, Caulfield MJ, Palmer CAN, Sanna S, Mook-Kanamori DO, Deloukas P, Pedersen O, Rotter JI, Dorr M, O’Donnell CJ, Hayward C, Arking DE, Kooperberg C, van der Harst P, Eijgelsheim M, Stricker BH, Munroe PB. Discovery of novel heart rate-associated loci using the Exome Chip. *Hum Mol Genet*. 2017;26(12):2346-2363.](https://www.ncbi.nlm.nih.gov/pubmed/28379579)
45. [Lin HJ, Weng LC, Hall AW, Choi SH, Jurgens SJ, Haessler J, Bihlmeyer NA, Grarup N, Lin H, Teumer A, Li-Gao R, Yao J, Guo X, Brody JA, Muller-Nurasyid M, Schramm K, Verweij N, van den Berg ME, van Setten J, Isaacs A, Ramierez J, Warren HR, Padmanabhan S, Kors JA, de Boer RA, van der Meer P, Sinner MF, Waldenberger M, Pstay BM, Taylor KD, Volker U, Kanters JK, Alonso A, Perez MV, Vaartjes I, Bots ML, Huang PL, Heckbert SR, Kornej J, Munroe PB, van Duijin CM, Asselbergs FW, Stricker BH, van der Harst P, Kaab S, Peters A, Sotoodehnia N, Rotter JI, Mook-Kanamori DO, Dorr M, Felix SB, Linneberg A, Hansen T, Arking DE, Kooperberg C, Benjamin EJ, Lunetta KL, Ellinor PT, Lubiitz SA. Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. *Circ Genom Precis Med*. 2020;13(5):387-395.](https://pubmed.ncbi.nlm.nih.gov/32822252/)
46. [Lin HJ, Weng LC, Lunetta KL, Muller-Nurasyid M, Smith AV, Theriault S, Weeke PE, Barnard J, Bis JC, Lyytikainen LP, Kleber ME, Martinsson A, Rienstra M, Trompet S, Krijthe BP, Dorr M, Klarin D, Chasman DI, Sinner MF, Waldenberger M, Launer LJ, Harris TB, Soliman EZ, Alonso A, Pare G, Teixeira PL, Denny JC, Shoemaker MB, Van Wagoner DR, Smith JD, Psaty BM, Sotoodehnia N, Taylor KD, Kahonen M, Nikus K, Delgado GE, Melander O, Engstrom G, Yao J, Guo X, Christophersen IE, Ellinor PT, Geelhoed B, Verweij N, Macfarlane P, Ford I, Heeringa J, Franco OH, Uitterlinden AG, Volker U, Teumer A, Rose LM, Kaab S, Gudnason V, Arking DE, Conen D, Roden DM, Chung MK, Heckbert SR, Benjamin EJ, Lehtimaki T, Marz W, Smith JG, Rotter JI, van der Harst P, Jukema JW, Stricker BH, Felix SB, Albert CM, Lubitz SA. Genetic Interactions with Age, Sex, Body Mass Index, and Hypertension in Relation to Atrial Fibrillation: The AFGen Consortium. *Sci Rep*. 2017;7(1):11303. doi: 10.1038/s41598-017-09396-7.](https://www.ncbi.nlm.nih.gov/pubmed/28900195)
47. [Lin SX, Berlin I, Younge R, Jin Z, Sibley CT, Schreiner P, Szklo M, Bertoni AG. Does Elevated Plasma Triglyceride Level Independently Predict Impaired Fasting Glucose?: The Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2013;36(2):342-347.](http://www.ncbi.nlm.nih.gov/pubmed/23033247)

1. [Lin SX, Carnethon M, Szklo M, Bertoni A. Racial/Ethnic differences in the association of triglycerides with other metabolic syndrome components: the multi-ethnic study of atherosclerosis. *Metab Syndr Relat Disord*. 2011;9(1):35-40.](http://www.ncbi.nlm.nih.gov/pubmed/20958206)
2. [Lin X, Li X, Li Z, Zhou H, Gaynor SM, Liu Y, Chen H, Sun R, Dey R, Arnett DK, Aslibekyan S, Ballantyne CM, Bielak LF, Blangero J, Boerwinkle E, Bowden DW, Broome JG, Conomos MP, Correa A, Cupples LA, Curran JE, Freedman BI, Guo X, Hindy G, Irvin MR, Kardia SLR, Kathiresan S, Khan AT, Kooperberg CL, Laurie CC, Liu XS, Mahaney MC, Manichaikul AW, Martin LW, Mathias RA, McGarvey ST, Mitchell BD, Montasser ME, Moore JE, Morrison AC, O’Connell JR, Palmer ND, Pampana A, Peralta JM, Peyser PA, Psaty BM, Redline S, Rice KM, Rich SS, Smith JA, Tiwari HK, Tsai MY, Vasan RS, Wang FF, Weeks DE, Weng Z, Wilson JG, Yanek LR, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Lipids Working Group; Neal BM, Sunyaev SR, Abecasis GR, Rotter JI, Willer CJ, Peloso GM, Natarajan P. Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale. *Nat Genet.* 2020;52(9):969-983.](https://pubmed.ncbi.nlm.nih.gov/32839606/)
3. [Linden J, Figler RA, Wang G, Srinivasan S, Jung DY, Zhang Z, Pankow JS, Ravid K, Fredholm B, Hedrick CC, Rich SS, Kim JK, Lanoue KF. Links Between Insulin Resistance, Adenosine A2B Receptors, and Inflammatory Markers in Mice and Humans. *Diabetes*. 2011;60(2):669-679.](http://www.ncbi.nlm.nih.gov/pubmed/21270276)
4. [Lindström J, Szpiro AA, Sampson PD, Oron AP, Richards M, Larson TV, Sheppard L. A Flexible Spatio-Temporal Model for Air Pollution with Spatial and Spatio-Temporal Covariates. *Environ Ecol Stat*. 2014;21(3):411-433.](https://www.ncbi.nlm.nih.gov/pubmed/25264424)
5. [Linefsky J, Katz R, Budoff M, Probstfield J, Owens D, Takasu J, Shavelle D, Ouyang P, Psaty B, O’Brien KD. Stages of Systemic Hypertension and Blood Pressure as Correlates of Computed Tomography-Assessed Aortic Valve Calcium (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2011;107(1):47-51.](http://www.ncbi.nlm.nih.gov/pubmed/21146685)
6. [Linefsky JP, O’Brien KD, Sachs M, Katz R, Eng J, Michos ED, Budoff MJ, de Boer I, Kestenbaum B. Serum phosphate is associated with aortic valve calcification in the Multi-ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2014;233(2):331-337.](http://www.ncbi.nlm.nih.gov/pubmed/24530958)
7. [Liu A, Kronmal R, Zhou X, Ma S. Determination of proportionality in two-part models and analysis of Multi-Ethnic Study of Atherosclerosis (MESA). *Stat Interface*. 2011;4(4):475-487.](http://www.ncbi.nlm.nih.gov/pubmed/23772262)
8. [Liu CT, Young KL, Fisher V, Deng X, Brody JA, Graff M, Lim E, Lin BM, Xu H, Amin N, An P, Aslibekyan S, Fohner AE, Hidalgo B, Lenzini P, Kraaij R, Medina-Gomez C, Prokic I, Rivadeneira F, Sitlani C, Tao R, van Rooij J, Zhang D, Broome JG, Buth EJ, Heavner BD, Jain D, Smith AV, Barnes K, Boorgula MP, Chavan S, Darbar D, De Andrade M, Guo X, Haessler J, Irvin MR, Kalyani RR, Kardia SL, Kooperberg C, Kim W, Mathias RA, McConald ML, Mitchell BD, Peyser PA, Regan EA, Redline S, Reiner AP, Rich SS, Rotter JI, Smith JA, Weiss S, Wiggins KL, Yanek LR, Arnett D, Heard-Costa NL, Leal S, Lin D, McKnight B, Province M, van Duijn CM, North KE, Cupples LA. Whole-exome sequence analyasis of anthropometric traits illustrates challenges in identifying effects of rare genetic variants. *HGG Adv*. 2022;4(1):100163. doi: 10.1016/j.xhgg.2022.100163. eCollection 2023 Jan 12.](https://pubmed.ncbi.nlm.nih.gov/36568030/)
9. [Liu CY, Chang Liu YC, Wu C, Armstrong A, Volpe GJ, van der Geest RJ, Liu Y, Hundley WG, Gomes AS, Liu S, Nacif M, Bluemke DA, Lima JA. Evaluation of Age-Related Interstitial Myocardial Fibrosis With Cardiac Magnetic Resonance Contrast-Enhanced T1 Mapping: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2013;62(14);1280-1287.](http://www.ncbi.nlm.nih.gov/pubmed/23871886)
10. [Liu CY, Chen D, Bluemke DA, Wu CO, Teixido-Tura G, Chugh A, Vasu S, Lima JA, Hundley WG. Evolution of aortic wall thickness and stiffness with atherosclerosis: long-term follow up from the multi-ethnic of atherosclerosis. *Hypertension*. 2015;65(5):1015-1019.](http://www.ncbi.nlm.nih.gov/pubmed/25776078)
11. [Liu CY, Heckbert SR, Lai S, Ambale-Venkatesh B, Ostovaneh MR, McClelland RL, Lima JAC, Bluemke DA. Association of Elevated NT-proBNP With Myocardial Fibrosis in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Coll Cardiol*. 2017;70(25):3102-3109.](https://www.ncbi.nlm.nih.gov/pubmed/29268924)
12. [Liu CY, Lai S, Kawel-Boehm N, Chahal H, Ambale-Venkatesh B, Lima JAC, Bluemke DA. Healthy aging of the left ventricle in relationship to cardiovascular risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2017;12(6):e0179947. doi: 10.1371/journal.pone.0179947. eCollection 2017.](https://www.ncbi.nlm.nih.gov/pubmed/28640873)
13. [Liu CY, Lai S, Lima JAC. MRI gandolinium dosing on basis of blood volume. *Mag Reson Med*. 2019;81(2):1157-1164.](https://www.ncbi.nlm.nih.gov/pubmed/30387903)
14. [Liu CY, Parikh M, Bluemke DA, Balte P, Carr J, Dashnaw S, Poor HD, Gomes AS, Hoffman EA, Kawut SM, Lima JAC, McAllister DA, Prince MA, Vogel-Claussen J, Barr RG. Pulmonary artery stiffness in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study. *J Magn Reson Imaging*. 2018;47(1):262-271.](https://www.ncbi.nlm.nih.gov/pubmed/28488348)
15. [Liu H, Ma S, Kronmal R, Chan KS. SEMIPARAMETRIC ZERO-INFLATED MODELING IN MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS (MESA). *Ann Appl Stat*. 2012;6(3):1236-1255.](http://www.ncbi.nlm.nih.gov/pubmed/23805172)
16. [Liu K, Colangelo LA, Daviglus ML, Goff DC, Pletcher M, Schreiner PJ, Sibley CT, Burke GL, Post WS, Michos ED, Lloyd-Jones DM. Can Hypertensive Treatment Restore the Risk of Cardiovascular Disease to Ideal Levels?: The Coronary Artery Risk Development n Young Adults (CARDIA) Study and the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Heart Assoc*. 2015;4(9). pii: 3002276. doi: 10.1161/JAHA.115.002275.](http://www.ncbi.nlm.nih.gov/pubmed/26391135)
17. [Liu K, Wilkins JT, Colangelo LA, Lloyd-Jones DM. Does Lowering Low-Density Lipoprotein Cholesterol With Statin Restore Low Risk in Middle-Aged Adults? Analysis of the Observational MESA Study. *J Am Heart Assoc*. 2021;10(11):e019695. doi: 10.1161/JAHA.120.019695.](https://pubmed.ncbi.nlm.nih.gov/33998284/)
18. [Liu L, Lima JAC, Post WS, Szklo M. Associations of time-varying obesity and metabolic syndrome with risk of incident heart failure and its subtypes: Findings from the Multi-Ethnic Study of Atherosclerosis. *Int J Cardiol*. 2021;338:127-135.](https://pubmed.ncbi.nlm.nih.gov/34089770/)
19. [Liu L, Nettleton JA, Bertoni AG, Bluemke DA, Lima JA, Szklo M. Dietary pattern, the metabolic syndrome, and left ventricular mass and systolic function: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2009;90(2):362-368.](http://www.ncbi.nlm.nih.gov/pubmed/19515735?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
20. [Liu SZ, Maroun A, Baraboo JJ, DiCarlo AL, Lee DC, Heckbert SR, Passman R, Markl M, Greenland P, Pradella M. Quantification of left atrial function by the area-length method overestimates left atrial emptying fraction. *Eur J Radiol.* 2023;160:110705. doi: 10.1016/j.ejrad.2023.110705.](https://pubmed.ncbi.nlm.nih.gov/36701824/)
21. [Liu X, Longchamps RJ, Wiggins KL, Raffield LM, Bielak LF, Zhao W, Pitsillides A, Blackwell TW, Yao J, Guo X, Kurniansyah N, Thyagarajan B, Pankratz N, Rich SS, Taylor KD, Peyser PA, Heckbert SR, Seshadri S, Cupples LA, Boerwinkle E, Grove ML, Larson NB, Smith JA, Vasan RS, Sofer T, Fitzpatrick AL, Fornage M, Ding J, Correa A, Abecasis G, Psaty BM, Wilson JG, Levy D, Rotter JI, Bis JC, TOPMed mtDNA Working Group in NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Satizabal CL, Arking DE, Liu C. Association of mitochondrial DNA copy number with cardiometabolic diseases. *Cell Genom*. 2021;1(1):100006. doi: 10.1016/j.xgen.2021.100006.](https://pubmed.ncbi.nlm.nih.gov/35036986/)
22. [Liu X, Zhang Y, Wiggins KL, Kurniansyah N, Guo X, Rodrigue AL, Zhao W, Yanek LR, Ratliff SM, Pitsillides A, Patino JSA, Sofer T, Arking DE, Austin TR, Beiser AS, Blangero J, Boerwinkle E, Bressler J, Curran JE, Hou L, Hughes TM, Kardia SLR, Launer LJ, Levy D, Mosley TH, Nasrallah IM, Rich SS, Rotter JI, Seshadri S, Tarraf W, Gonzalez KA, Ramachandran V, Yaffe K, Nyquist PA, Psaty BM, DeCarli CS, Smith JA, Glahn DC, Gonzalez HM, Bis JC, Fornage M, Heckbert SR, Fitzpatrck AL, Liu C, Satizabal CL; NHLBI Trans-Omics for Precision Medicine (TOPMed) program, Mitochondrial and Neurocognitive Working Groups. Association of Mitochondrial DNA Copy Number With Brain MRI Markers and Cognitive Function: A Meta-analysis of Community-Based Cohorts. *Neurology*. 2023;100(18):e1930-e1943. doi: 10.1212/WNL. 0000000000207157.](https://pubmed.ncbi.nlm.nih.gov/36927883/)
23. [Liu Y, Ding J, Reynolds LM, Lohman K, Register TC, De La Fuente A, Howard TD, Hawkins GA, Cui W, Morris J, Smith SG, Barr RG, Kaufman JD, Burke GL, Post W, Shea S, McCall CE, Siscovick D, Jacobs DR Jr, Tracy RP, Herrington DM, Hoeschele I. Methylomics of gene expression in human monocytes. *Hum Mol Genet*. 2013;22(24):5065-5074.](https://www.ncbi.nlm.nih.gov/pubmed/23900078)
24. [Liu Y, Fox CS, White CC, Lohman K, Heard-Costa N, Cohen P, Zhang Y, Johnson AD, Emilsson V, Liu CT, Chen YD, Taylor KD, Allison M, Budoff M; CARDIoGRAM Consortium, Rotter JI, Carr JJ, Hoffmann U, Ding J, Cupples LA. Genome-wide association of pericardial fat identifies a unique locus for ectopic fat. *PLoS Genet*. 2012:8(5):e1002705.](http://www.ncbi.nlm.nih.gov/pubmed/22589742)
25. [Liu Y, Reynolds LM, Ding J, Hou L, Lohman K, Young T, Cui W, Huang Z, Grenier C, Wan M, Stunnenberg HG, Siscovick D, Hou L, Psaty BM, Rich SS, Rotter JI, Kaufman JD, Burke GL, Murphy S, Jacobs DR Jr, Post W, Hoeschele I, Bell DA, Herrington D, Parks JS, Tracy RP, McClall CE, Stein JH. Blood monocyte transcriptome and epigenome analyses reveal loci associated with human atherosclerosis. *Nat Commun*. 2017;8(1):393. doi: 10.1038/s41467-017-00517-4.](https://www.ncbi.nlm.nih.gov/pubmed/28855511)
26. [Liu YL, Szklo M, Davidson KW, Bathon JM, Giles JT. Differential Association of Psychosocial Comorbidities With Subclinical Atherosclerosis in Rheumatoid Arthritis. *Arthritis Care Res (Hoboken)*. 2015;67(10):1335-1344.](http://www.ncbi.nlm.nih.gov/pubmed/26274015)
27. [Lloyd-Jones DM, Walsh JA, Prineas RJ, Ning H, Liu K, Daviglus ML, Shea S, Detrano RC, Tandri H, Greenland P. Association of electrocardiographic abnormalities with coronary artery calcium and carotid artery intima-media thickness in individuals without clinical coronary heart disease (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2009;104(8):1086-1091.](http://www.ncbi.nlm.nih.gov/pubmed/19801030?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
28. [Lo Cascio CM, Quante M, Hoffman EA, Bertoni AG, Aaron CP, Schwartz JE, Avdalovic MV, Fan VS, Lovasi GS, Kawut SM, Austin JHM, Redline S, Barr RG. Percent Emphysema and Daily Motor Activity Levels in the General Population: Multi-Ethnic Study of Atherosclerosis. *Chest*. 2017;151(5):1039-1050.](https://www.ncbi.nlm.nih.gov/pubmed/27940190)
29. [Lockhart SN, Schaich CL, Craft S, Sachs BC, Rapp SR, Jung Y, Whitlow CT, Sai KKS, Cleveland M, Williams BJ, Burke GL, Bertoni A, Hayden KM, Hughes TM. Associations among vascular risk factors, neuroimaging biomarkers, and cognition: Preliminary analyses from the Multi-Ethnic Study of Atherosclerosis (MESA). *Alzheimers Dement*. 2022;18(4):551-560.](https://pubmed.ncbi.nlm.nih.gov/34482601/)
30. [Logan JG, Kang H, Kim S, Duprez D, Kwon Y, Jacobs Jr DR, Forbang N, Lobo JM, Sohn MW. Association of obesity with arterial stiffness: The Multi-Ethnic Study of Atherosclerosis (MESA). *Vasc Med*. 2020;25(4):309-318.](https://pubmed.ncbi.nlm.nih.gov/32484395/)
31. [Logan JG, Kang H, Lobo JM, Sohn MW, Lin GM, Lima JAC, Punjabi NM, Redline S, Kwon Y. Actigraphy-based sleep characteristics and aortic stiffness: the Multi-Ethnic Study of Atherosclerosis. *J Am Soc Hypertens*. 2018;12(12):841-849.](https://www.ncbi.nlm.nih.gov/pubmed/30396853)
32. [Longchamps RJ, Castellani CA, Yang SY, Newcomb CE, Sumpter JA, Lane J, Grove ML, Guallar E, Pankratz N, Taylor KD, Rotter JI, Boerwinkle E, Arking DE. Evaluation of mitochondrial DNA copy number estimation techniques. PLoS One. 2020;15(1):e0228166. doi: 10.1371/journal.pone.0228166. eCollection 2020.](https://www.ncbi.nlm.nih.gov/pubmed/32004343)
33. [Longstreth WT Jr, Gasca NC, Gottesman RF, Pearce JB, Sacco RL. Adjudication of Transient Ischemic Attack and Stroke in the Multi-Ethnic Study of Atherosclerosis *Neuroepidemiology*. 2018;50(1-2):23-28.](https://www.ncbi.nlm.nih.gov/pubmed/29324452)
34. [Lovasi GS, Diez Roux AV, Hoffman EA, Kawut SM, Jacobs DR Jr, Barr RG. Association of Environmental Tobacco Smoke Exposure in Childhood With Early Emphysema in Adulthood Among Nonsmokers: The MESA-Lung Study. *Am J Epidimiol*. 2010;171(1):54-62.](http://www.ncbi.nlm.nih.gov/pubmed/19942575?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
35. [Lovasi GS, Diez Roux AV, Hoffman EA, Smith LJ, Jiang R, Carr JJ, Barr RG. Socioeconomic status is positively associated with percent emphysema on CT scan: The MESA lung study. *Acad Radiol*. 2011;18(2):199-204.](http://www.ncbi.nlm.nih.gov/pubmed/21232685)
36. [Lu L, Hu Y, Li H, Manichaikul A, Zhu J, Chen YD, Sun L, Liang S, Siscovick DS. Steffen LM, Tsai MY, Rich SS, Lemaitre RN, Lin X. Genome-wide meta-analyses identify novel loci associated with n-3 and n-6 polyunsaturated fatty acid levels in Chinese and European-ancestry populations. *Hum Mol Genet*. 2016;25(6):1215-1224.](https://www.ncbi.nlm.nih.gov/pubmed/?term=26744325)
37. [Luo Y, Kanai M, Choi W, Li X, Sakaue S, Yamamoto K, Ogawa K. Gutierrez-Arcelus M, Gregersen PK, Stuart PE, Elder JT, Forer L, Schonherr S, Fuchsberger C, Smith AV, Fellay J, Carrington M, Hass DW, Guo X, Palmer ND, Chen YDI, Rotter JI, Taylor KD, Rich SS, Correa A, Wilson JG, Kathiresan S, Cho MH, Metspalu A, Esko T, Okada Y, Han B; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; McLarsen PJ, Raychaudhuri S. A high-resolution HLA reference panel capturing global population diversity enables multi-ancestry fine-mapping in HIV host response. *Nat Genet*. 2021;53(10):1504-1516.](file:///\\CCWEB4\LocalShare\Mesa%20Abstract%20Detail%20files)
38. [Lutsey PL, Cushman M, Steffen LM, Green D, Barr RG, Herrington D, Ouyang P, Folsom AR. Plasma hemostatic factors and endothelial markers in four racial/ethnic groups: the MESA study. *J Thromb Haemost*. 2006;4(12):2629-2635.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17002663&query_hl=21&itool=pubmed_docsum)
39. [Lutsey PL, Diez Roux AV, Jacobs DR Jr, Burke GL, Harman J, Shea S, Folsom AR. Associations of acculturation and socioeconomic status with subclinical cardiovascular disease in the multi-ethnic study of atherosclerosis. *Am J Public Health*. 2008;98(11):1963-1970.](http://www.ncbi.nlm.nih.gov/pubmed/18511718?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
40. [Lutsey PL, Jacobs DR, Kori S, Mayer-Davis E, Shea S, Steffen LM, Szklo M, Tracy R. Whole grain intake and its cross-sectional association with obesity, insulin resistance, inflammation, diabetes and subclinical CVD: The MESA Study. *Br J Nutr.* 2007;98(2):397-405.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17391554&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
41. [Lutsey PL, McClelland RL, Duprez D, Shea S, Shahar E, Nagayoshi M, Budoff M, Kaufman JD, Redline S. Objectively measured sleep characteristics and prevalence of coronary artery calcification: the Multi-Ethnic Study of Atherosclerosis Sleep study. *Thorax*. 2015;70(9):880-887.](http://www.ncbi.nlm.nih.gov/pubmed/26156526)
42. [Lutsey PL, Pankow JS, Bertoni AG, Szklo M, Folsom AR. Serologic evidence of infections and Type 2 diabetes: the Multiethnic Study of Atherosclerosis. *Diabet Med*. 2009;26(2):149-152.](http://www.ncbi.nlm.nih.gov/pubmed/19236617?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
43. [Lutsey PL, Pereira MA, Bertoni AG, Kandula NR, Jacobs DR Jr. Interactions Between Race/Ethnicity and Anthropometry in Risk of Incident Diabetes: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010;172(2):197-204.](http://www.ncbi.nlm.nih.gov/pubmed/20570825)
44. [Lutsey PL, Wassel CL, Cushman M, Sale MM, Divers J, Folsom AR. Genetic admixture is associated with plasma hemostatic factor levels in self-identified African Americans and Hispanics: the Multi-Ethnic Study of Atherosclerosis. *J Thromb Haemost*. 2012;10(4):543-549.](http://www.ncbi.nlm.nih.gov/pubmed/22332961)
45. [Ma S. Multiple augmentation with partial missing regressors. *Biometrical Journal.* 2006;48(1):83-92.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16544814&query_hl=4&itool=pubmed_docsum)
46. [Ma S, Liu A, Carr J, Post W, Kronmal R. Statistical Modeling of Agatston Score in Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2010;5(8). pii: e12036.](http://www.ncbi.nlm.nih.gov/pubmed/20711503)
47. [Ma Y, Floyd JS, Austin TR, Chen LY, Horwich T, Post WS, Michos ED, Heckbert SR. Life’s Simple 7 Cardiovascular Health Score in Relation to Arrhythmias on Extended Ambulatory Electrocardiographic Monitoring (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2022;170:63-70.](https://pubmed.ncbi.nlm.nih.gov/35193768/)
48. [Maan A, Jorgensen NW, Mansour M, Dudley S Jr, Jenny NS, Defilippi C, Szklo M, Alonso A, Refaat MM, Ruskin J, Heckbert SR, Heist EK. Association between Heat Shock Protein-60 and Development of Atrial Fibrillation: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Pacing Clin Electrophysiol*. 2016;39(12):1373-1378.](https://www.ncbi.nlm.nih.gov/pubmed/27807875)
49. [Macedo R, Chen S, Lai S, Shea S, Malayeri AA, Szklo M, Lima JA, Bluemke DA. MRI Detects Increased Coronary Wall Thickness in Asymptomatic Individuals: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Magn Reson Imaging*. 2008;28(5):1108-1115.](http://www.ncbi.nlm.nih.gov/pubmed/18837001?ordinalpos=74&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
50. [Mackey RH, Greenland P, Goff DC Jr, Lloyd-Jones D, Sibley CT, Mora S. High-Density Lipoprotein Cholesterol and Particle Concentrations, Carotid Atherosclerosis and Coronary Events: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2012;60(6):508-516.](http://www.ncbi.nlm.nih.gov/pubmed/22796256)
51. [Mackey RH, Mora S, Bertoni AG, Wassel CL, Carnethon MR, Sibley CT, Goff DC Jr. Lipoprotein particles and incident type 2 diabetes in the multi-ethnic study of atherosclerosis. *Diabetes Care*. 2015;38(4):628-636.](http://www.ncbi.nlm.nih.gov/pubmed/25592196)
52. [Madahar P, Duprez DA, Podolanczuk AJ, Bernstein EJ, Kawut SM, Raghu G, Barr RG, Gross MD, Jacobs DR Jr, Lederer DJ. Collagen biomarkers and subclinical interstitial lung disease: The Multi-Ethnic Study of Atherosclerosis. *Respir Med*. 2018;140:108-114.](https://www.ncbi.nlm.nih.gov/pubmed/29957270)
53. [Magdas A, Ding J, McClelland RL, Allison MA, Barter PJ, Rye KA, Ong KL. The relationship of circulating fibroblast growth factor 21 levels with pericardial fat: The Multi-Ethnic Study of Atherosclerosis. *Sci Rep*. 2019;9(1):16423. doi: 10.1038/s41598-019-52933-9.](https://www.ncbi.nlm.nih.gov/pubmed/31712677)
54. [Maheshwari A, Norby FL, Roetker NS, Soliman EZ, Koene RJ, Rooney MR, O’Neal WT, Shah AM, Claggett BL, Solomon SD, Alonso A, Gottesman RF, Heckbert SR, Chen LY. Refining Prediction of Atrial Fibrillation-Related Stroke Using the P2-CHA2DS2-VASc Score. *Circulation*. 2019;139(2):180-191.](https://www.ncbi.nlm.nih.gov/pubmed/30586710)
55. [Mahmoodi BK, Matsushita K, Woodward M, Blankestijn PJ, Cirillo M, Ohkubo T, Rossing P, Sarnak MJ, Stengel B, Yamagishi K, Yamashita K, Zhang L, Coresh J, de Jong PE, Astor BC; Chronic Kidney Disease Prognosis Consortium. Association of kidney disease measures with mortality and end-stage renal disease in individuals with and without hypertension: a meta-analysis. *Lancet*. 2012;380(9854):1649-1661.](http://www.ncbi.nlm.nih.gov/pubmed/23013602)
56. [Mahmoodi BK, Yatsuya H, Matsushita K, Sang Y, Gottesman RF, Astor BC, Woodward M, Longstreth WT Jr, Psaty BM, Shlipak MG, Folsom AR, Gansevoort RT, Coresh J. Associations of kidney disease measures with ischemic versus hemorrhagic stokes: pooled analyses of 4 prospective community-based cohorts. *Stroke*. 2014;45(7):1925-1931.](http://www.ncbi.nlm.nih.gov/pubmed/24876078)
57. [Mair C, Diez Roux AV, Golden SH, Rapp S, Seeman T, Shea S. Change in neighborhood environments and depressive symptoms in New York City: the Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2015;32:93-98.](http://www.ncbi.nlm.nih.gov/pubmed/25665936)
58. [Mair C, Diez Roux AV, Osypuk TL, Rapp SR, Seeman T, Watson KE. Is neighborhood racial/ethnic composition associated with depressive symptoms? The multi-ethnic study of atherosclerosis. *Soc Sci Med*. 2010;71(3):541-550.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Is+neighborhood+racial%2Fethnic+composition+associated+with+depressed+symptoms%3F+The+multi-ethnic)
59. [Mair C, Diez-Roux AV, Shen M, Shea S, Seeman T, Echeverria S, O’Meara ES. Cross-Sectional and Longitudinal Associations of Neighborhood Cohesion and Stressors with Depressive Symptoms in the Multiethnic Study of Atherosclerosis. *Ann Epidemiol*. 2009;19(1):49-57.](http://www.ncbi.nlm.nih.gov/pubmed/19064189?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
60. [Majka DS, Chang RW, Vu TH, Palmas W, Geffken DF, Ouyang P, Ni H, Liu K. Physical activity and high-sensitivity C-reactive protein: the multi-ethnic study of atherosclerosis. *Am J Prev Med*. 2009;36(1):56-62.](http://www.ncbi.nlm.nih.gov/pubmed/19013748)
61. [Majka DS, Vu TT, Pope RM, Teodorescu M, Karlson EW, Liu K, Chang RW. Association of Rheumatoid Factors With Subclinical and Clinical Atherosclerosis in African American Women: The Multiethnic Study of Atherosclerosis. *Arthritis Care Res (Hoboken)*. 2017;69(2):166-174.](https://www.ncbi.nlm.nih.gov/pubmed/27159164)
62. [Makarem N, Castro-Diehl C, St-Onge MP, Redline S, Shea S, Lloyd-Jones D, Ning H, Aggarwal B. Redefining Cardiovascular Health to Include Sleep: Prospective Associations With Cardiovascular Disease in the MESA Sleep Study. *J Am Heart Assoc*. 2022;11(21):e025252. doi: 10.1161/JAHA. 122.025252.](https://pubmed.ncbi.nlm.nih.gov/36259552/)
63. [Makshood M, Joshi PH, Kanaya AM, Ayers C, Budoff M, Tsai MY, Blaha M, Michos ED, Post WS. Lipoprotein (a) and aortic valve calcium in South Asians compared to other race/ethnic groups. *Atherosclerosis*. 2020;313:14-19.](https://pubmed.ncbi.nlm.nih.gov/33002750/)
64. [Malayeri AA, Johnson WC, Macedo R, Bathon J, Lima JA, Bluemke DA. Cardiac Cine MRI: Quantification of the Relationship Between Fast Gradient Echo and Steady-State Free Precession for Determination of Myocardial Mass and Volumes. *J Magn Reson Imaging*. 2008;28(1):60-66.](http://www.ncbi.nlm.nih.gov/pubmed/18581356?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
65. [Malayeri AA, Macedo R, Li D, Chen S, Bahrami H, Lai S, Lima JA, Bluemke DA. Coronary vessel wall evaluation by magnetic resonance imaging in the multi-ethnic study of atherosclerosis: determinants of image quality. *J Comput Assist Tomogr*. 2009;33(1):1-7.](http://www.ncbi.nlm.nih.gov/pubmed/19188777?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
66. [Malayeri AA, Natori S, Bahrami H, Bertoni AG, Kronmal R, Lima JA, Bluemke DA. Relation of Aortic Wall Thickness and Distensibility to Cardiovascular Risk Factors (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol.* 2008;102(4):491-496.](http://www.ncbi.nlm.nih.gov/pubmed/18678312?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
67. [Malik S, Budoff MJ, Katz R, Blumenthal RS, Bertoni AG, Nasir K, Szklo M, Barr RG, Wong ND. Impact of subclinical atherosclerosis on cardiovascular disease events in individuals with metabolic syndrome and diabetes: the multi-ethnic study of atherosclerosis. *Diabetes Care*. 2011;34(10):2285-2290.](http://www.ncbi.nlm.nih.gov/pubmed/21844289)

1. [Malik S, Zhao Y, Budoff M, Nasir K, Blumenthal RS, Bertoni AG, Wong ND. Coronary Artery Calcium Score for Long-term Risk Classification in Individuals With Type 2 Diabetes and Metabolic Syndrome From the Multi-Ethnic Study of Atherosclerosis.](https://www.ncbi.nlm.nih.gov/pubmed/29117273) *[JAMA Cardiol](https://www.ncbi.nlm.nih.gov/pubmed/29117273)*[. 2017;2(12):1332-1340.](https://www.ncbi.nlm.nih.gov/pubmed/29117273)
2. [Malkina A, Katz R, Shlipak MG, Ix JH, de Boer IH, Sarnak MJ, Allison M, Kramer HJ, Lin J, Siscovick D, Peralta CA. Association of Obesity and Kidney Function Decline among Non-Diabetic Adults with eGFR > 60 ml/min/1.73m 2: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Open J Endocr Metab Dis*. 2013;3(2):103-112.](https://www.ncbi.nlm.nih.gov/pubmed/25210651)
3. [Manichaikul A, Allen RJ, Guillen-Guio B, Oldham JM, Ma SF, Dressen A, Paynton ML, Kraven LM, Obeidat M, Li X, Ng M, Braybrooke R, Molina-Molina M, Hobbs BD, Putman RK, Sakornsakolpat P, Booth HL, Fahy WA, Hart SP, Hill MR, Hirani N, Hubbard RB, McAnulty RJ, Millar AB, Navaratnam V, Oballa E, Parfrey H, Saini G, Whyte MKB, Zhang Y, Kaminski N, Adegunsoye A, Strek ME, Neighbors M, Sheng XR, Gudmundsson G, Gudnason V, Hatabu H, Lederer DJ, Newell JD JR, O’Connor GT, Ortega VE, Xu H, Fingerlin TE, Bosse Y, Hao K, Joubert P, Nickle DC, Sin DD, Timens W, Furniss D, Morris AP, Zondervan KT, Hall IP, Sayers I, Tobin MD, Maher TM, Cho MH, Hunninghake GM, Schwartz DA, Yaspan BL, Molyneaux PL, Flores C, Noth I, Jenkins RG, Wain LV. Genome-Wide Association Study of Susceptibility to Idiopathic Pulmonary Fibrosis. *Am J Respir Crit Care Med*. 2020;201(5):564-574.](https://www.ncbi.nlm.nih.gov/pubmed/31710517)
4. [Manichaikul A, Aschard H, Tobin MD, Hancock DB, Skurnik D, Sood A, James A, Vernon Smith A, Campbell A, Prins BP, Hayward C, loth DW, Porteous DJ, Strachan DP, Zeggini E, O’Connor GT, Brussell GG, Boezen HM, Schulz H, Deary IJ, Hall IP, Rudan I, Kaprio J, Wilson JF, Wilk JB, Huffman JE, Hua Zhao J, de Jong K, Lyytikainen LP, Wain LV, Jarvelin MR, Kahonen M, Fornage M, Polasek O, Cassano PA, Barr RG, Rawal R, Harris SE, Gharib SA, Enroth S, Heckbert SR, Lehtimaki T, Gyllensten U; Understanding Society Scientific Group, Jackson VE, Gudnason V, Tang W, Dupuis J, Soler Artigas M, Joshi AD, London SJ, Kraft P. Evidence for large-scale gene-by-smoking interaction effects on pulmonary function. *Int J Epidemiol*. 2017;46(3):894-904.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Evidence+for+large-scale+gene-by-smoking+interaction)
5. [Manichaikul A, Below JE, Parra EJ, Gamazon ER, Torres J, Krithika S, Candille S, Lu Y, Peralta-Romero J, Duan Q, Li Y, Morris AP, Gottesman O, Bottinger E, Wang XQ, Taylor KD, Ida Chen YD, Rotter IJ, Rich SS, Loos RJ, Tang H, Cox NJ, Cruz M, Hanis CL, Valladares-Salgado A. Meta-analysis of lipid-traits in Hispanics identifies novel loci, population-specific effects, and tissue-specific enrichment of eQTLs. *Sci Rep*. 2016;6:19429. doi: 10.1038/srep19429.](https://www.ncbi.nlm.nih.gov/pubmed/26780889)
6. [Manichaikul A, Chami N, Chen MH, Slater AJ, Eicher JD, Evangelou E, Tajuddin SM, Love-Gregory L, Kacprowski T, Schick UM, Nomura A, Giri A, Lessard S, Brody JA, Schurmann C, Pankratz N, Yanek LR, Pazoki R, Mihailov E, Hill WD, Raffield LM, Burt A, Bartz TM, Becker DM, Becker LC, Boerwinkle E, Bork-Jensen J, Bottinger EP, O’Donoghue ML, Crosslin DR, de Denus S, Dube MP, Ellito P, Engstrom G, Evans MK, Floyd JS, Fornage M, Gao H, Greinacher A, Gudnason V, Hansen T, Harris TB, Hayward C, Hernesniemi J, Highland HM, Hirschhorn JN, Hofman A, Irvin MR, Kahonen M, Lange E, Launer LJ, Lehtimaki T, Li J, Liewald DC, Linneberg A, Liu Y, Lu Y, Lyytikainen LP, Magi R, Mathias RA, Melander O, Metspalu A, Monenen, Nails MA, Nickerson DA, Nikus K, O’Donnell CJ, Orho-Melander M, Pedersen O, Petersmann A, Polfus L, Psaty BM, Raitakari OT, Raioharju E, Richard M, Rice KM, Rivadeneira F, Rotter JI, Schmidt F, Smith AV, Starr JM, Taylor KD, Teumer A, Thuesen BH, Torstenson ES, Tracy RP, Tzoulaki I, Zakai NA, Vacchi-Suzzi C, van Duijn CM, van Rooij FJ, Cushman M, Deary IJ, Valez Edwards DR, Vergnaud AD, Wallentin L, Waterworth DM, White HD, Wilson JG, Zonderman AB, Kathiresan S, Grarup N, Esko T, Loos RJ, Lange LA, Faraday N, Abumrad NA, Edwards TL, Ganesh SK, Auer PL, Johnson AD, Reiner AP, Lettre G. Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. *Am J Hum Genet*. 2016;99(1):8-21.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Exome+Genotyping+Identifies+Pleiotropic+Variants)
7. [Manichaikul A, CHARGE Consortium Hematology Working Group. Meta-analysis of rare and common exome chip variants identifies S1PR4 and other loci influencing blood cell traits. *Nat Genet*. 2016;48(8):867-876.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Meta-analysis+of+rare+and+common+exome+chip+variants+identifies+S1PR4)
8. [Manichaikul A, Chen W, Brehm JM, Cho MH, Boutaoui N, Yan Q, Burkart KM, Enright PL, Rotter JI, Petersen H, Leng S, Obeidat M, Bosse Y, Brandsma CA, Hao K, Rich SS, Powell R, Avila L, Soto-Quiros M, Silverman EK, Tesfaigzi Y, Barr RG, Celedon JC. A genome-wide association study of chronic obstructive pulmonary disease in hispanics. *Ann Am Thorac Soc*. 2015;12(3):340-348.](http://www.ncbi.nlm.nih.gov/pubmed/25584925)
9. [Manichaikul A, Chen WM, Williams K, Wong Q, Sale MM, Pankow JS, Tsai MY, Rotter JL, Rich SS, Mychaleckyj JC. Analysis of family- and population-based samples in cohort genome-wide association studies. *Hum Genet*. 2012;131(2):275-287.](http://www.ncbi.nlm.nih.gov/pubmed/21805149)
10. [Manichaikul A, Dijkstra AE, Boezen HM, van de Berge M, Vonk JM, Hiemstra PS, Barr RG, Burkart KM, Pottinger TD, Silverman EK, Cho MH, Crapo JD, Beaty TH, Bakke P, Gulsvik A, Lomas DA, Bosse Y, Nickle DC, Pare PD, de Koning JH, Lammers JW, Zanen P, Smolonska J, Wijmenga C, Brandsma CA, Groen HJ, Postma DS; LifeLines Cohort Study group. Dissecting the genetics of chronic mucus hypersecretion in smokers with and without COPD. *Eur Respir J*. 2015;45(1):60-75.](https://www.ncbi.nlm.nih.gov/pubmed/25234806)
11. [Manichaikul A, Eicher JD, Chami N, Kacprowski T, Nomura A, Chen MH, Yanek LR, Tajuddin SM, Schick UM, Slater AJ, Pankratz N, Polfus L, Schurmann C, Giri A, Brody JA, Lange LA, Hill WD, Pazoki R, Elliot P, Evangelou E, Txoulaki I, Gao H, Vergnaud AC, Mathias RA, Becker DM, Burt A, Crosslin DR, Lyytikainen LP, Nikus K, Hernesniemi J, Kahonen M, Raitoharju E, Mononen N, Raitakari OT, Lehtimaki T, Cushman M, Zakai NA, Nickerson DA, Raffield LM, Quarells R, Willer CJ, Peloso GM, Abecasis GR,Liu DJ; Global Lipids Genetics Consortium, Deloukas P, Samani NJ, Schunkert H, Erdmann J; CARDIoGRAM Exome Consortium; Myocardial Infarction Genetics Consortium, Fornage M, Richard M, Tardif JC, Rioux JD, Dube MP, de Denus S, Lu Y, Bottinger EP, Loos RJ, Simth AV, Harris TB, Launer LJ, Gudnason V, Velez Edwards DR, Torstenon ES, Liu Y, Tracy RP, Rotter JI, Rich SS, Highlands HM, Boerwinkle E, Li J, Lange E, Wilson JG, Mihailove E, Magi R, Hirschhorn J, Metspalu A, Esko T, Vacchi-Suzzi C, Nalls MA, Zonderman AB, Evans MK, Engstrom G, Orho-Melander M, Melander O, O’Donoghue ML, Waterworth DM, Wallentin L, White HD, Floyd JS, Bartz TM, Rice KM, Psaty BM, Starr JM, Liewald DC, Hayward C, Deary IJ, Greinacher A, Volker U, Thiele T, Volzke H, van Rooij FJ, Uitterlinden AG, Franco OH, Dehghan A, Edwards TL, Ganesh SK, Kathiresan S, Faraday N, Auer PL, Reiner AP, Lettre G, Johnson AD. Platelet-Related Variants Identified by Exomechip Meta-analysis in 157,293 Individuals. *Am J Hum Genet*. 2016;99(1):40-55.](https://www.ncbi.nlm.nih.gov/pubmed/27346686)
12. [Manichaikul A, Franceschini N, Carty CL, Lu Y, Tao R, Sung YJ, Haessler J, Fornage M, Schwander K, Zubair N, Bien S, Hindorff LA, Guo X, Bielinski SJ, Ehret G, Kaufman JD, Rich SS, Carlson CS, Bottinger EP, North KE, Rao DC, Chakravarti A, Barrett PQ, Loos RJ, Buyske S, Kooperberg C. Variant Discovery and Fine Mapping of Genetic Loci Associated with Blood Pressure Traits in Hispanics and African Americans. *PLoS One*. 2016;11(10):e0164132. doi: 10.1371/journal.pone.0164132. eCollection 2016.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Variant+Discovery+and+Fine+Mapping+of+Genetic+Loci+Associated+with+Blood+Pressure+Traits)
13. [Manichaikul A, Golden D, Kolmakova A, Sura S, Vella AT, Wang XQ, Bielinski SJ, Taylor KD, Chen YI, Rich SS. Lymphocyte activation gene 3 and coronary artery disease. *JCI Insight*. 2016;1(17):e88628.](https://www.ncbi.nlm.nih.gov/pubmed/27777974)
14. [Manichaikul A, Hancock DB, Soler Artigas M, Gharib SA, Henry A, Ramasamy A, Loth DW, Imboden M, Koch B, McArdle WL, Smith AV, Smolonska J, Sood A, Tang W, Wilk JB, Zhai G, Zhao JH, Aschard H, Burkart KM, Curjuric I, Eijgelsheim M, Elliot P, Gu X, Harris TB, Janson C, Homuth G, Hysi PG, Liu JZ, Loehr LR, Lohman K, Loos RJ, Manning AK, Marciante KD, Obeidat M, Postma DS, Aldrich MC, Brusselle GG, Chen TH, Eiriksdottir G, Franceschini N, Heinrich J, Rotter JI, Wijmenga C, Williams OD, Bentley AR, Hoffman A, Laurie CC, Lumley T, Morrison AC, Joubert BR, Rivadeneira F, Couper DJ, Kritchevsky SB, Liu Y, Wjst M, Wain LV, Vonk JM, Uitterlinden AG, Rochat T, Rich SS, Psaty BM, O’Connor GT, North KE, Mirel DB, Meibohm B, Launer LJ, Khaw KT, Harikainen AL, Hammond CJ, Glaser S, Marchini J, Kraft P, Wareham NJ, Volzke H, Stricker BH, Spector TD, Probst-Hensch NM, Jarvis D, Jarvelin MR, Heckbert SR, Gudnason V, Boezen HM, Barr RG, Cassano PA, Strachan DP, Fornage M, Hall IP, Dupuis J, Tobin MD, London SJ. Genome-wide joint meta-analysis of SNP and SNP-by-smoking interaction identifies novel loci for pulmonary function. *PLoS Genet*. 2012;8(12):e1003098. doi; 10.1371/journal.pgen.1003098.](https://www.ncbi.nlm.nih.gov/pubmed/23284291)
15. [Manichaikul A, Hobbs BD, de Jog K, Lamontagne M, Bosse Y, Shrine N, Artigas MS, Wain LV, Hall IP, Jackson VE, Wyss AB, London SJ, North KE, Franceschini N, Strachan DP, Besty TH, Hokanson JE, Crapo JD, Castaldi PJ, Chase RP Bartz TM, Heckbert SR, Psaty BM, Gharib SA, Zanen P, Lammers JW, Oudkerk M, Groen HJ, Locantore N, Tal-Singer R, Rennard SI, Vestbo J, Timens W, Pare PD, Latourelle JC, Dupuis J, O’Connor GT, Wilk JB, Kim WJ, Lee MK, Oh YM, Vonk JM, de Koning HJ, Leng S, Belinsky SA, Tesfaigzi Y, Wang XQ, Rich SS, Barr RG, Sparrow D, Litonjua AA, Bakke P, Gulsvik A, Lahousse L, Brusselle GG, Stricker BH, Uitterlinden AG, Ampleford EJ, Bleecker ER, Woodruff PG, Meyers DA, Qiao D, Lomas DA, Yim JJ, Kim DK, Hawrylkiewicz I, Sliwinski P, Hardin M, Fingerlin TE, Schwartz DA, Postma DS, MacNee W, Tobin MD, Silverman EK, Boezen HM, Cho MH; COPDGene Investigators; ECLIPSE Investigators; Lifelines Investigators; SPIROMICS Research Group; International COPD Genetics Network Investigators; UK BiLEVE Investigators; International COPD Genetics Consortium. Genetic loci associates with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. *Nat Genet*. 2017;49(3):426-432.](https://www.ncbi.nlm.nih.gov/pubmed/?term=28166215)
16. [Manichaikul A, Hoffman EA, Smolonska, J, Gao W, Cho MH, Baumhauer H, Budoff M, Austin JH, Washko GR, Carr JJ, Kaufman JD, Pottinger T, Powel CA, Wijmenga C, Zanen P, Groen HJ, Postma DS, Wanner A, Rouhani FN, Brantly ML, Powell R, Smith BM, Rabinowitz D, Raffel LJ, Hinckley Stukovsky KD, Crapo JD, Beaty TH, Hokanson JE, Silverman EK, Dupuis J, O’Connor GT, Boezen HM, Rich SS, Barr RG. Genome-Wide Study of Percent Emphysema on Computed Tomography in the General Population. The Multi-Ethnic Study of Atherosclerosis Lung/SNP Health Association Resource Study. *Am J Respir Crit Care Med*. 2014;189(4):408-418.](http://www.ncbi.nlm.nih.gov/pubmed/24383474)
17. [Manichaikul A, Justice AE, Winkler TW, Feitosa MF, Graff M, Fisher VA, Young K, Barata L, Deng X, Czajkowski J, Hadley D, Ngwa JS, Ahluwalia TS, Chu AY, Heard-Costa NL, Lim E, Perez J, Eicher JD, Kutalik Z, Xue L, Mahajan A, Renstrom F, Wu J, Qi Q, Ahmad S, Alfred T, Amin N, Bielak LF, Bonnefond A, Bragg J, Cadby G, Chittani M, Coggeshall S, Corre T, Direk N, Eriksson J, Fischer K, Gorski M, Neergaard Harder M, Horikoshi M, Huang T, Huffman JE, Jackson AU, Justensen JM, Kanoni S, Kinnunen L, Kleber ME, Komulainen P, Kumari M, Lim U, Luan J, Lyytikainen LP, Mangino M, Marten J, Middleberg RPS, Muller-Nurasyid M, Navarro P, Perusse L, Perviakova N, Sarti C, Smith AV, Smith JA, Stancakova A, Strawbridge RJ, Stringham HM, Sung YL, Tanaka T, Teumer A, Trompet S, van der Laan SW, van der Most PJ, van Vliet-Ostaptchouk JV, Vedantam SL, Verweij N, Vink JM, Vitart V, Wu Y, Yengo L, Zhang W, Hua Zhao J, Zimmerman ME, Zubair N, Abecasis GR, Adair LS, Afag S, Afzal U, Bakker SJL, Bartz TM, Beilby J, Bergman RN, Bergmann S, Biffar R, Blangero J, Boerwinkle E, Bonnycastle LL, Bottinger E, Braga D, Buckley BM, Buyske S, Campbell H, Chambers JC, Collins FS, Curran JE, de Borst GJ, de Craen AJM, de Geus EJC, Dedoussis G, Delgado GE, de Ruijter HM, Eriksdottir G, Eriksson AL, Esko T, Faul JD, Ford I, Forrester T, Gertow K, Gigante B, Glorioso N, Gong J, Grallert H, Grammer TB, Grarup N, Haitjema S, Hallmans G, Hamsten A, Hansen T, Harris TB, Hartman CA, Hassinen M, Hastie ND, Health AC, Hernandez D, Hindorff L, Hocking LJ, Hollensted M, Holmen OL, Homuth G, Jan Hottenga J, Huang J, Hing J, Hutri-Kahonen N, Ingelsson E, James AL, Jansson JO, Jarvelin MR, Jhun MA, Jorgensen ME, Juonala M, Kahonen M, Karlsson M, Koistinen HA, Kolcic I, Kolovou G, Kooperberg C, Kramer BK, Kuusisto J, Kvaloy K, Lakka TA, Langenberg C, Launer LJ, Leander K, Lee NR, Lind L, Lindgren CM, Linneberg A, Lobbens S, Loh M, Lorentzon M, Luben R, Lubke G, Ludolph-Donislawski A, Lupoli S, Madden PAF, Mannikko R, Marques-Vidal P, Martin NG, McKenzie CA, McKnight B, Mellstrom D, Menni C, Montgomery GW, Musk AB, Narisu N, Nauck M, Nolte IM, Oldehinkel AJ, Olden M, Ong KK, Padmanabhan S, Peyser PA, Pisinger C, Porteous DJ, Raitakari OT, Rankinen T, Rao DC, Rasmussen-Torvik LJ, Rawal R, Rice T, Ridker PM, Rose LM, Bien SA, Rudan I, Sanna S, Sarzynski MA, Sattar N, Savonen K, Schlessinger D, Scholtens S, Schurmann C, Scott RA, Sennblad B, Siemelink MA, Silbernagel G, Slagboom PE, Snieder H, Staessen JA, Stott DJ, Swertz MA, Swift AJ, Taylor KD, Tayo BO, Thorand B, Thuillier D, Tuomilehto J, Uitterlinden AG, Vandenput L, Vohl MC, Volzke H, Vonk JM, Waeber G, Waldenberger M, Westendorp RGJ, Wild S, Willemsen G, Wolffenbuttel GHR, Wong A, Wright AF, Zhao W, Zillikens MC, Badassarre D, Balkau B, Bandinelli S, Boger CA, Boomsma DI, Bouchard C, Bruinenberg M, Chasman DI, Chen YD, Chines PS, Cooper RS, Cucca F, Cusi D, Faire U, Ferrucci L, Franks PW, Froguel P, Gordon-Larsen P, Grabe HJ, Gudnason V, Haiman CA, Hayward C, Hveem K, Johnson AD, Wouter Jukema J, Kardia SLR, Kivimaki M, Kooner JS, Kuh D, Laakso M, Lehtimaki T, Marchand LL, Marz W, McCarthy MI, Metspalu A, Morris AP, Ohlsson C, Palmer LJ, Pasterkamp G, Pedersen O, Peters A, Peters U, Polasek O, Psaty BM, Qi L, Rauramaa R, Smith BH, Sorensen TIA, Strauch K, Teimeier H, Tremoli E, van der Harst P, Vestergaard H, Vollenweider P, Wareham NJ, Weir DR, Whitfield JB, Wilson JF, Tyrrell J, Frayling TM, Barroso I, Boehnke M, Deloukas P, Fox CS, Hirshhorn JN, Hunter DJ, Spector TD, Strachan DP, van Duijn CM, Heid IM, Mohlke KL, Marchini J, Loos RJF, Kilpelainen TO, Liu CT, Borecki IB, North KE, Cupples LA. Genome-wide meta-analysis of 241, 258 adults accounting for smoking behavior identifies novel loci for obesity traits. *Nat Commun*. 2017;8:14977. doi: 10.1038/ncomms14977.](https://www.ncbi.nlm.nih.gov/pubmed/28443625)
18. [Manichaikul A, Lin H, Kang C, Yang C, Rich SS, Taylor KD, Guo X, Rotter JI, Johnson WC, Cornell E, Tracy RP, Durda JP, Liu Y, Vasan RS, Cupples LA, Gerszten RE, Clish CB, Jain D, Conomos MP, Blackwell T, Papanicolaou GP, Rodriguez A. Lymphocyte activation gene-3 associated protein networks are associated with HLD-cholesterol and mortality in the Trans-omics for Precision Medicine program. *Commun Biol*. 2022;5(1):362. doi: 10.1038/s42003-022-03304-0.](https://pubmed.ncbi.nlm.nih.gov/35501457/)
19. [Manichaikul A, Liu DJ, Peloso GM, Yu H, Butter worth AS, Wang X, Mahajan A, Saleheen D, Emdin C, Alam D, Alves AC, Amouyel P, Di Angelantonio E, Arveiler D, Assimes TL, Auer PL, Baber U, Ballantyne Cm, Bang LE, Benn M, Bis JC, Boehnke M, Boerwinkle E, Bork-Jensen J, Bottinger EP, Brandslund I, Brown M, Busonero F, Caulfield MJ, Chambers JC, Chasman DI, Chen YE, Chen YI, Chowdhury R, Christensen C, Chu AY, Connell JM, Cucca F, Cupples LA, Damrauer SM, Davies G, Deary IJ, Dedoussis G, Denny JC, Dominiczak A, Dube MP, Ebeling T, Eriksdottir G, Esko T, Farmaki AE, Feitosa MF, Ferrario M, Ferrieres J, Ford I, Fornage M, Franks PW, Frayling TM, Frikke-Schmidt R, Fritsche LG, Frossard P, Fuster V, Ganesh SK, Gao W, Garcia ME, Gieger C, Giulianini F, Goodarzi MO, Grallert H, Grarup N, Groop L, Grove ML, Gudnason V, Hansen T, Harris TB, Hayward C, Hirschhorn JN, Holmen OL, Huffman J. Huo Y, Hveem K, Jabeen S, Jackson AU, Jakobsdottir J, Jarvelin MR, Jensen GB, Jorgensen ME, Jukema JW, Justesen JM, Kamstrup PR, Kanoni S, Karpe F, Kee F, Khera AV, Klarin D, Koistinen HA, Kooner JS, Kooperberg C, Kuulasmaa K, Kuusisto J, Laakso M, Lakka T, Langenberg C, Langsted A, Launer LJ, Lauritzen T, Liewald DCM, Lin LA, Linneberg A, Loos RJF, Lu Y, Lu X, Magi R, Malarstig A, Manning AK, Mantyselka P, Marouli E, Masca NGD, Maschio A, Meigs JB, Melander O, Metspalu A, Morris AP, Morrison AC, Mulas A, Muller-Nurasyid M, Munroe PB, Neville MJ, Nielsen JB, Nielsen SF, Nordestgaard BG, Ordovas JM, Mehran R, O’Donnell CJ, Orho-Melander M, Molony CM, Muntendam P, Padmanabhan S, Palmer CAN, Pasko D, Patel AP, Pedersen O, Perola M, Peters A, Pisinger C, Pistis G, Polasek O, Poulter, Psaty BM, Rader DJ, Rasheed A, Rauramaa R, Reilly DF, Reiner AP, Renstrom F, Rich SS, Ridker PM, Rioux JD, Robertson NR, Roden DM, Rotter JI, Rudan I, Salomaa V, Samani NJ, Sanna S, Sattar N, Schmidt EM, Scott RA, Sever P, Sevilla RS, Shaffer CM, Sim X, Sivapalaratnam S, Small KS, Smith AV, Smith BH, Somavajula S, Southam L, Spector TD, Speliotes EK, Starr JM, Stirrups KE, Stitziel N, Strauch K, Stringham HM, Surendran P, Tada H, Tall AR, Tang H, Tardif JC, Taylor KD, Trompet S, Tsao PS, Tuomilehto J, Tybiarg-Hansen A, van Zuydam NR, Varbo A, Varga TV, Virtamo J, Waldenberger M, Wang N, Wareham NJ, Warren HR, Weeke PE, Weinstock J, Wessel J, Wilson JG, Wilson PWF, Xu M, Yaghootkar H, Young R, Zeggini E, Zhang H, Zheng NS, Zhang W, Zhang Y, Zhou W, Zhou Y, Zoledziewska M; Charge Diabetes Working Group; EPIC-InterAct Consortium; EPIC-CVD Consortium; GOLD Consortium; VA Million Veteran Program, Howson JMM, Danesh J, McCarthy MI, Cowan CA, Abecasis G, Deloukas P, Musunuru K, Willer CJ, Kaithiresan S. Exome-wide association study of plasma lipids in >300,000 individuals. *Nat Genet*. 2017;49(12):1758-1766.](https://www.ncbi.nlm.nih.gov/pubmed/29083408)
20. [Manichaikul A, Loth DW, Soler Artigas M, Gharib SA, Wain LV, Franceschini N, Koch B, Pottinger TD, Smith AV, Duan Q, Oldmeadow C, Lee MK, Strachan DP, James AL, Huffman JE, Vitart V, Ramasamy A, Wareham NJ, Kaprio J, Wang XQ, Trochet H, Kahonen M, Flexeder C, Albrecht E, Lopez LM, de Jong K, Thyagarajan B, Alves AC, Enroth S, Omenaas E, Joshi PK, Fall T, Vinuela A, Launer Lj, Loehr LR, Fornage M, Li G, Wilk JB, Tang W, Lahousse L, Harris TB, North KE, Rudnicka AR, Hui J, Gu X, Lumley T, Wright AF, Hastie ND, Campbell S, Kumar R, Pin I, Scott RA, Pietilainen KH, Surakka I, Liu Y, Holliday EG, Schulz H, Heinrich J, Davies G, Vonk JM, Wojczynski M, Pouta A, Johansson A, Wild SH, Ingelsson E, Rivadeneira F, Volzke H, Hysi PG, Eiriksdottir G, Morrison AC, Rotter JI, Gao W, Postma DS, White WB, Rich SS, Hofman A, Aspelund T, Couper D, Smith LJ, Psaty BM, Lohman K, Burchard EG, Uitterlinden AG, Garcia M, Joubert BR, McArdle WL, Musk AB, Hansel N, Heckbert SR, Zgaga L, van Meurs JB, Navarro P, Rudan I, Oh YM, Redline S, Jarvis DL, Zhao JH, Rantanen T, O’Connor GT, Ripatti S, Scott RJ, Karrasch S, Grallert H, Gaddis NC, Starr JM, Wijmenga S, Minster RL, Lederer DJ, Pekkanen J, Gyllensten U, Campbell H, Morris AP, Glaser S, Hammond CJ, Burkart KM, Beilby J, Kritchevsky SB, Gudnason V, Hancock DB, Williams OD, Polasek O, Zemunik T, Kolcic I, Petrini MF, Wjst M, Kim JW, Porteous DJ, Scotland G, Smith BH, Viljanen A, Heliovaara M, Attia JR, Sayers I, Hampel R, Gieger C, Deary IJ, Boezen HM, Newman A, Jarvelin MR, Wilson JF, Lind L, Stricker BH, Teumer A, Spector TD, Melen E, Peters MJ, Lange LA, Barr RG, Bracke KR, Verhamme FM, Sung J, Hiemstra PS, Cassano PA, Sood A, Hayward C, Dupuis J, Hall IP, Brusselle GG, Tobin MD, London SJ. Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nat Genet*. 2014;46(7):669-677.](https://www.ncbi.nlm.nih.gov/pubmed/24929828)
21. [Manichaikul A, Ma Y, Follis JL, Smith CE, Tanaka T, Chu AY, Samieri C, Zhou X, Guan W, Wang L, Biggs ML, Chen YD, Hernandez DG, Borecki I, Chasman DI, Rich SS, Ferrucci L, Irvin MR, Aslibekyan S, Zhi D, Tiwari HK, Claas SA, Sha J, Kabagambe EK, Lai CQ, Parnell LD, Lee YC, Amouyel P, Lambert JC, Psaty BM, King IB, Mozaffarian D, McKnight B, Bandinelli S, Tsai MY, Ridker PM, Ding J, Mstat KL, Liu Y, Sotoodehnia N, Bargerger-Gateau P, Steffen LM, Siscovick DS, Absher D, Arnett DK, Ordovas JM, Lemaitre RN. Interaction of methylation-related genetic variants with circulating fatty acids on plasma lipids: a meta-analysis of 7 studies and methylation analysis of 3 studies in the Cohorts for Heart and Aging Research in Genomic Epidemiology consortium. *Am J Clin Nutr*. 2016;103(2):567-578.](https://www.ncbi.nlm.nih.gov/pubmed/?term=26791180)
22. [Manichaikul A, Malik R, Chauhan G, Traylor M, Sargurupremaraj M, Okada Y, Mishra A, Rutten-Jacobs L, Giese AK, van der Laan SW, Gretarsdottir S, Anderson CD, Chong M, Adams HHH, Ago T, Almgren P, Amouyel P, Ay H, Bartz TM, Benavente OR, Bevan S, Boncoraglio GB, Brown Jr RD, Butterworth AS, Carrera C, Carty CL, Chasman DI, Chen WM, Cole JW, Correa A, Cotlarciuc I, Cruchaga C, Danesh J, de Bakker PIW, DeStefano AL, den Hoed M, Duan Q, Engelter ST, Falcone GJ, Gottesman RF, Grewal RP, Gudnason V, Gustafsson S, Haessler J, Harris TB, Hassan A, Havulinna AS, Heckbert SR, Holiday EG, Howard G, Hsu FC, Hyacinth HI, Ikram MA, Ingelsson E, Irvin MR, Jian X, Jimenez-Conde J, Johnson JA, Jukema JW, Kanai M, Keene KL, Kissela BM, Kleindorfer DO, Kooperberg C, Kubo M, Lange LA, Langefeld CD, Langenberg C, Launer LJ, Lee JM, Lemmens R, Leys D, Lewis CM, Lin WY, Lindren AG, Lorentzen E, Magnusson PK, Maguire J, McArdle PF, Meschia JF, Mitchell BD, Mosley TH, Nalls MA, Ninomiya T, O’Connell MJ, Psaty BM, Pulit SL, Rannikmae K, Reiner AP, Rexrode KM, Rice K, Rich SS, Ridker PM, Rost NS, Rothwell PM, Rotter JI, Rundek T, Sacco RL, Sakaue S, Sale MM, Salomaa V, Sapkota BR, Schmidt R, Schmidt CO, Schminke U, Sharma P, Slowik A, Sudlow CLM, Tanislav C, Tatlisumak T, Taylor KD, Thijs VNS, Thorliefsson G, Thorsteinsdottir U, Tiedt S, Trompet S, Tzourio C, van Dujin CM, Walters M, Wareham NJ, Wassertheil-Smoller S, Wilson JG, Wiggins KL, Yang Q,Yusuf S; AFGen Consortium; Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium; International Genomics of Blood Pressure (iGEN-BP) Consortium; INVENT Consortium; STARNET; Bis JC, Pastinen T, Ruusalepp A, Schadt EE, Koplev S, Bjorkegren JLM, Codoni V, Civelek M, Smith NL, Tregouet DA, Christophersen IE, Roselli C, Lubitz SA, Ellinor PT, Tai ES, Kooner JS, Kato N, He J, van der Harst P, Elliott P, Chambers JC, Takeuchi F, Johnson AD; BioBank Japan Cooperative Hospital Group; COMPASS Consortium; EPIC-CVD Consortium; EPIC-InterAct Consortium; International Stroke Genetics Consortium (ISGC); METASTROKE Consortium; Neurology Working Group of the CHARGE Consortium; NINDS Stroke Genetics Network (SiGN); UK Young Lacunar DNA Study; MEGASTROKE Consortium; Sanghera DK, Melander O, Jern C, Strbian D, Fernandez-Cadenas I, Longstreth Jr WT, Rolf A, Hata J, Woo D, Rosand J, Pare G, Hopewell JC, Saleheen D, Stefansson K, Worrall BB, Kittner SJ, Seshadri S, Fornage M, Markus HS, Howson JMM, Kamatani Y, Debette S, Dichgans M. Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. *Nat Genet*. 2018;50(4):524-537.](https://pubmed.ncbi.nlm.nih.gov/29531354/)
23. [Manichaikul A, Miller PG, Qiao D, Rojas-Quintero J, Honigberg MC, Sperling AS, Gibson CJ, Bick AG, Niroula A, McConkey ME, Sandoval B, Miller BC, Shi W, Viswanathan K, Leventhal M, Werner L, Moll M, Cade BE, Barr RG, Correa A, Cupples LA, Gharib SA, Jain D, Gogarten SM, Lange LA, London SJ, O’Connor GT, Oelsner EC, Redline S, Rich SS, Rotter JI, Ramachandran V, Yu B, Sholl L, Neuberg D, Jaiswal S, Levy BD, Owen CA, Natarajan P, Silverman EK, van Galen P, Tesfaigzi Y, Cho MH, Ebert BL, COPDGene Study Investigators, National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine Consortium. Association of clonal hemotopoiesis with chronic obstructive pulmonary disease. *Blood*. 2022;139(3):357-368.](https://pubmed.ncbi.nlm.nih.gov/34855941/)
24. [Manichaikul A, Naj AC, Herrington D, Post W, Rich SS, Rodriguez A. Association of SCARB1 Variants With Subclinical Atherosclerosis and Incident Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2012;32(8):1991-1999.](http://www.ncbi.nlm.nih.gov/pubmed/22628436)
25. [Manichaikul A, Neurology Working Group of the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium, the Stroke Genetics Network (SIGN), and the International Stroke Genetics Consortium (ISGC). Identification of additional risk loci for stroke and small vessel disease: a meta-analysis of genome-wide association studies. *Lancet Neurol*. 2016;15(7):695-707.](https://www.ncbi.nlm.nih.gov/pubmed/27068588)
26. [Manichaikul A, Palmas W, Rodriguez CJ, Peralta CA, Divers J, Guo X, Chen WM, Wong Q, Williams K, Kerr KF, Taylor KD, Tsai MY, Goodarzi MO, Sale MM, Diez-Roux AV, Rich SS, Rotter JI, Mychaleckyj JC. Population structure of Hispanics in the United States: the multi-ethnic study of atherosclerosis. *PLoS Genet*. 2012;8(4):e1002640. doi: 10.1371/journal.pgen.1002640.](http://www.ncbi.nlm.nih.gov/pubmed/22511882)
27. [Manichaikul A, Peloso GM, Auer PL, Bis JC, Voorman A, Morrison AC, Stitziel NO, Brody JA, Khetarpal SA, Crosby JR, Fornage M, Isaacs A, Jakobsdottir J, Feitosa MF, Davies G, Huffman JE, Davis B, Lohman K, Joon AY, Smith AV, Grove ML, Zanoni P, Redon V, Demissie S, Lawson K, Peters U, Carlson C, Jackson RD, Rvckman KK, Mackey RH, Robinson JG, Siscovick DS, Schreiner PJ, Mychaleckyj JC, Pankow JS, Hofman A, Uitterlinden AG, Harris TB, Taylor KD, Stafford JM, Reynolds LM, Marioni RE, Dehghan A, Franco OH, Patel AP, Lu Y, Hindy G, Gottesman O, Bottinger EP, Melander O, Orho-Melander M, Loos RJ, Duga S, Merlini PA, Farrall M, Goel A, Asselta R, Girelli D, Martinelli N, Shah SH, Kraus WE, Li M, Rader DJ, Reilly MP, McPherson R, Watkins H, Ardissino D; NHLBI GO Exome Sequencing Project, Zhang Q, Wang J, Tsai MH, Taylor HA, Correa A, Griswold ME, Lange LA, Starr JM, Rudan I, Eiriksdottir G, Launer LJ, Ordovas JM, Lew D, Chen YD, Reiner AP, Hayward C, Polasek O, Deary IJ, Borecki IB, Liu Y, Gudnason V, Wilson JG, van Duijn Cm, Kooperberg C, Rich SS, Psaty BM, Rotter JI, O’Donnell CJ, Rick K, Boerwinkle E, Kathiresan S, Cupples LA. Association of low-frequency and rare coding-sequence variants with blood lipids and coronary heart disease in 56,000 whites and blacks. *Am J Hum Genet*. 2014;94(2):223-232.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Association+of+low-frequency+and+rare+coding+sequence+variants+with+blood+lipids+in+56%2C000)
28. [Manichaikul A, Prokopenko D, Sakornsakolpat P, Fier HL, Qiao D, Parker MM, McConald MN, Rich SS, Barr RG, Williams CJ, Brantly ML, Lange C, Beaty TH, Crapo JD, Silverman EK, Cho MH. Whole-Genome Sequencing in Severe Chronic Obstructive Pulmonary Disease. *Am J Respir Cell Mol Biol*. 2018;59(5):614-622.](https://www.ncbi.nlm.nih.gov/pubmed/29949718)
29. [Manichaikul A, Rich SS, Allison MA, Guagliardo NA, Bayliss DA, Carey RM, Barrett PQ. KCNK3 Variants Are Associated With Hyperaldosteronism and Hypertension. *Hypertension*. 2016 ;68(2):356-364.](http://www.ncbi.nlm.nih.gov/pubmed/27296998)
30. [Manichaikul A, Rich SS, Perry H, Yeboah J, Law M, Davis M, Parker M, Ragosta M, Connelly JJ, McNamara CA, Taylor AM. A Functionally Significant Polymorphism in ID3 Is Associated with Human Coronary Pathology. *PLoS One*. 2014;9(3):e90222. doi: 10.1371/journal.pone.0090222. eCollection 2014.](http://www.ncbi.nlm.nih.gov/pubmed/24603695)
31. [Manichaikul A, Shrine N, Izquierdo AG, Chen J, Packer R, Hall RJ, Guyatt AL, Batini C, Thompson RJ, Pavuluri C, Malik V, Hobbs BD, Moll M, Kim W, Tal-Singer R, Bakke P, Fawcett KA, John C, Coley K, Piga NN, Pozarickij A, Lin K, Millwood IY, Chen Z, Li L; China Kadoorie Biobank Collaborative Group; Wijnant SRA, Lahousse L, Brusselle G, Uitterlinden AG, Oelsner EO, Rich SS, Barr RG, Kerr SM, Vitart V, Brown MR, Wielscher M, Imboden M, Jeong A, Bartz TM, Gharib SA, Flexeder C, Karrasch S, Gieger C, Peters A, Stubbe B, Hu X, Ortega VE, Meyers DA, Bleecker ER, Gabriel SB, Gupta N, Smith AV, Luan J, Zhao JH, Hansen AF, Langhammer A, Willer C, Bhatta L, Porteous D, Smith BH, Campbell A, Sofer T, Lee J, Daviglus ML, Yu B, Lim E, Xu H, O’Connor GT, Thareja G, Albagha OME; Qatar Genome Program Research (QGPR) Consortium; Suhre K, Granell R, Faquih TO, Hiemstra PS, Slats AM, Mullin BH, Hui J, James A, Beilby J, Patasova K, Hysi P, Koskela JT, Wyss AB, Jin J, Sikdar S, Lee M, May-Wilson S, Pirastu N, Kentistou KA, Joshi PK, Timmers PRHJ, Williams AT, Free RC, Wang X, Morrison JL, Gilliland FD, Chen Z, Wang CA, Foong RE, Harris SE, Taylor A, Redmond P, Cook JP, Mahajan A, Lind L, Palvianen T, Lehtimaki T, Raitakari OT, Kaprio J, Rantanen T, Pietilainen KH, Cox SR, Pennell CE, Hall GL, Gauderman WJ, Brightling C, Wilson JF, Vasankari T, Laitinen T, Salomaa V, Mook-Kanamori DO, Timpson NJ, Zeggini E, Dupuis J, Hayward C, Brumpton B, Langenberg C, Weiss S, Homuth G, Schmidt CO, Probst-Hensch N, Jarvelin MR, Morrison AC, Polasek O, Rudan I, Lee JH, Sayers I, Rawlins EL, Dudbridge F, Silverman EK, Strachan DP, Walters RG, Morris AP, London SJ, Cho MH, Wain LV, Hall IP, Tobin MD. Multi-ancestry genome-wide association analyses improve resolution of genes and pathways influencing lung function and chronic obstructive pulmonary disease risk. *Nat Genet*. 2023 Mar 13. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/36914875/)
32. [Manichaikul A, Smolonska J, Koppelman GH, Wijmenga C, Vonk JM, Zanen P, Bruinenberg M, Curjuiric I, Imboden M, Thun GA, Franke L, Probst-Hensch NM, Nurnberg P, Riemersma RA, van Schayck CP, Loth DW, Brusselle GG, Stricker BH, Hofman A, Uitterlinden AG, Lahousse L, London SJ, Loehr LR, Barr RG, Donohue KM, Rich SS, Pare P, Bosse Y, Hao K, van den Berge M, Groen HJ, Lammers JW, Mali W, Boezen HM, Postma DS. Common genes underlying asthma and COPD? Genome-wide analysis and the Dutch hypothesis. *Eur Respir J*. 2014;44(4):860-872.](https://www.ncbi.nlm.nih.gov/pubmed/24993907)
33. [Manichaikul A, Soler Artigas M, Loth DW, Wain LV, Gharib SA, Obeidat M, Tang W, Zhao JH, Smith AV, Huffman JE, Albrecht E, Jackson CM, Evans DM, Cadby G, Fornage M, Lopez LM, Johnson T, Aldrich MC, Aspelund T, Barroso I, Campbell H, Cassano PA, Couper DJ, Eiriksdottir G, Franceschini N, Garcia M, Geiger C, Gislason GK, Grkovic I, Hammond CJ, Hanock DB, Harris TB, Ramasamy A, Heckbert SR, Heliovaara M, Homuth G, Hysi PG, James AL, Jankovic S, Joubert BR, Karrasch S, Klopp N, Koch B, Kritchevsky SB, Launer LJ, Liu Y, Loehr LR, Lohman K, Loos RJ, Lumley T, Al Balushi KA, Ang WQ, Barr RG, Beilby J, Blakely JD, Boban M, Boraska V, Brisman J, Britton JR, Brusselle GG, Cooper C, Curjuric I, Dahgam S, Deary IJ, Ebrahim S, Eijgelsheim M, Francke C, Gaysina D, Granell R, Gu X, Hankinson JL, Hardy R, Harris SE, Henderson J, Henry A, Hingorani AD, Hofman A, Holt PG, Hui J, Hunter ML, Imboden M, Jameson KA, Kerr SM, Kolcic I, Kronenberg F, Liu JZ, Marchini J, McKeever T, Morris AD, Olin AC, Porteous DJ, Postma DS, Rish SS, Ring SM, Rivadeneira E, Rochat T, Sayer AA, Sayers I, Sly PD, Smith GD, Sood A, Starr JM, Uitterlinden AG, Vonk JM, Wannamethee SG, Whinicup PH, Wijmenga C, Williams OD, Wong A, Mangino M, Marciante KD, McArdle WL, Meibohm B, Morrison AC, North KE, Omenaas E, Palmer LJ, Pietilainen KH, Pin I, Pola Sbreve Ek O, Pouta A, Psaty BM, Hartikainen AL, Rantanen T, Ripatti S, Rotter JI, Rudan I, Rudnicka AR, Schulz H, Shin SY, Spector TD, Surakka I, Vitart V, Volzke H, Wareham NJ, Warrington NM, Wichmann HE, Wild SH, Wilk JB, Wjst M, Wright AE, Zgaga L, Zemunik T, Pennell CE, Nyberg F, Kuh D, Holloway JW, Boezen HM, Lawlot DA, Morris RW, Probst-Hensch N; International Lung Cancer Consortium; GIANT consortium, Kaprio J, Wilson JF, Hayward C, Kahonen M, Heinrich J, Musk AW, Jarvis DL, Glaser S, Jarvelin MR, Ch Stricker BH, Elliott P, O’Connor GT, Strachan DP, London SJ, Hall IP, Gudnason V, Tobin MD. Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nat Genet*. 2011;43(11):1082-1090.](http://www.ncbi.nlm.nih.gov/pubmed/21946350)

1. [Manichaikul A, Sun L, Borczuk AC, Onengut-Gumuscu S, Farber EA, Mathai SK, Zhang W, Raghu G, Kaufman JD, Hinckley-Stukovsky KD, Kawut SM, Jelic S, Liu W, Fingerlin TE, Schwartz DA, Sell JL, Rich SS, Barr RG, Lederer DJ. Plasma Soluble Receptor for Advanced Glycation End Products in Idiopathic Pulmonary Fibrosis. *Ann Am Thorac Soc*. 2017;14(5):628-635.](https://www.ncbi.nlm.nih.gov/pubmed/?term=28248552)
2. [Manichaikul A, Tajuddin SM, Schick UM, Eicher JD, Chami N, Giri A, Brody JA, Hill WD, Kacprowski T, Li J, Lyytikainen LP, Mihailov E, O’Donoghue ML, Pankratz N, Pazoki R, Polfus LM, Smith AV, Schurmann C, Vacchi-Suzzi C, Waterworth DM, Evangelou E, Yanek LR, Burt A, Chen MH, van Rooij FJ, Floyd JS, Greinacher A, Harris TB, Highland HM, Lange LA, Liu Y, Magi R, Nalls MA, Mathias RA, Nickerson DA, Nikus K, Starr MJ, Tardif JC, Tzoulaki I, Velez Edwards DR, Wallentin L, Bartz TM, Becker LC, Denny JC, Raffield LM, Rioux JD, Friedrich N, Fornage M, Gao H, Hirschhorn JN, Liewald DC, Rich SS, Uitterlinden A, Bastarache L, Becker DM, Boerwinkle E, de Denus S, Bottinger EP, Hayward C, Hofman A, Homuth G, Lange E, Launer LJ, Lehtimaki T, Lu Y, Metspalu A, O’Donnell CJ, Quarells RC, Richard M, Torstenson ES, Taylor KD, Vergnaud AC, Zonderman AB, Crosslin DR. Deary IJ, Dorr M, Elliott P, Evans MK, Gudnason V, Kahonen M, Psaty BM, Rotter JI, Slater AJ, Dehghan A, White HD, Ganesh SK, Loos RJ, Esko T, Faraday N, Wilson JG, Cushman M, Johnson AD, Edwards TL, Zakai NA, Lettre G, Reiner AP, Auer PL. Large-Scale Exome-wide Association Analysis Identifies Loci for White Blood Cell Traits and Pleiotropy with Immune-Medicated Diseases. *Am J Hum Genet*. 2016;99(1)22-39.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Large-Scale+Exome-wide+Association+Analysis+Identifies+Loci+for+White+Blood)
3. [Manichaikul A, Telomeres Mendelian Randomization Collaboration, Haycock PC, Burgess S, Nouna A, Zheng J, Okoli GN, Bowden J, Wade KH, Timpson NJ, Evans DM, Willeit P, Aviv A, Gaunt TR, Hemani G, Mangino M, Ellis HP, Kurian KM, Pooley KA, Eeles RA, Lee JE, Fang S, Chen W, Law MH, Bowdler, LM, Iles MM, Yang Q, Worrall BB, Markus HS, Hung RJ, Amos CI, Spurdle AB, Thompson DJ, O’Mara TA, Wolpin B, Amundadottir L, Stolzenberg-Solomon R, Trichopoulou A, Onland-Moret NC, Lund E, Duell EJ, Canzian F, Severi G, Overvad K, Gunter MJ, Tumino R, Svenson U, van Rij A, Baas AF, Bown MJ, Samani NJ, van t’Hof FNG, Tromp G, Jones GT, Kuivaniemi H, Elmore JR, Johansson M, Mckay J, Scelo G, Carreras-Torres R, Gaborieau V, Brennan P, Bracci PM, Neale RE, Olson SH, Gallinger S, Li D, Petersen GM, Risch HA, Klein AP, Han J, Abnet CC, Fredman ND, Taylor PR, Maris JM, Aben KK, Kiemeney LA, Vermeulen SH, Wiencke JK, Walsh KM, Wrensch M, Rice T, Turnbull C, Litchfield K, paternoster L, Standi M, Abecasis GR, SanGiovanni JP, Li Y, Mijatovic V, Sapkota Y, Low SK, Zondervan KT, Montgomery GW, Nyholt DR, van Heel DA, Hunt K, Arking DE, Ashar FN, Sotoodehnia N, Woo D, Rosand J, Comeau ME, Brown WM, Silverman EK, Hokanson JE, Cho MH, Hui J, Ferreira MA, Thompson PJ, Morrison AC, Felix JF, Smith NL, Christiano AM, Petukhova L, Betz RC, Fan X, Zhang X, Zhu C, Langefeld CD, Thompson SD, Wang F, Lin X, Schwartz DA, Fingerlin T, Rotter JI, Cotch MF, Jensen RA, Munz M, Dommisch H, Schaefer AS, Han F, Ollila HM, Hillary RP, Albagha O, Ralston SH, Zeng C, Zheng W, Shu XO, Reis A, Uebe S, Huffmeier U, Kawamura Y, Otowa T, Sasaki T, Hibberd ML, Davila S, Xie G, Siminevitch K, Bei JX, Zeng YX, Forsti A, Chen G, Landi S, Franke A, Fischer A, Ellinghaus D, Flores C, Noth I, Ma SF, Foo JN, Liu J, Kim JW, Cox DG, Delattre O, Mirabeau O, Skibola CF, Tang CS, Garcia-Barcelo M, Chang KP, Su WH, Chang YS, Martin NG, Gordon S, Wade TD, Lee C, Kubo M, Cha PC, Nakamura Y, Levy D, Kimura M, Hwang SJ, Hunt S, Spector T, Soranzo N, Barr RG, Kahali B, Speliotes E, Yerges-Armstrong LM, Cheng CY, Jonas JB, Wong TY, Fogh I, Lin K, Powell JF, Rice K, Relton CL, Martin RM, Davey Smith G. Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. *JAMA Oncol*. 2017;3(5):636-651.](https://www.ncbi.nlm.nih.gov/pubmed/28241208)
4. [Manichaikul A, van Leeuwen EM, Huffman JE, Bis JC, Isaacs A, Mulder M, Sabo A, Smith AV, Demissie S, Brody JA, Feitosa MF, Duan Q, Schraut KE, Navarro P, van Vliet-Ostaptchouk JV, Zhu G, Mbarek H, Trompet S, Verweij N, Lyytikainen LP, Deelen J, Nolte IM, van der Laan SW, Davies G, Vermeij-Verdoold AJ, van Oosterhout AA, Vergeer-Drop JM, Arking DE, Trochet H, Generation Scotland, Medina-Gomez C, Rivadeneira F, Uitterlinden AG, Dehghan A, Franco OH, Sijbrands EJ, Hofman A, White CC, Mychaleckyj JC, Peloso GM, Swertz MA, Lifelines Cohort Study, Willemsen G, de Geus EJ, Milaneschi Y, Penninx BW, Ford I, Buckley BM, de Craen AJ, Starr Jm, Deary IJ, Pasterkamp G, Oldehinkel AJ, Snieder H, Slagboom PE, Nikus K, Kahonen M, Lehtimaki T, Viikari JS, Raitakari OT, van der Harst P, Jukema JW, Hottenga JJ, Boomsma DI, Whitfield JB, Montgomery G, Martin NG; CHARGE Lipids Working Group, Polasek O, Vitart V, Hayward C, Kolcic I, Wright AF, Rudan I, Joshi PK, Wilson JF, Lange LA, Wilson JG, Gudnason V, Harris TB, Morrison AC, Borecki IB, Rich SS, Padmanabhan S, Psaty BM, Rotter JI, Smith BH, Boerwinkle E, Cupples LA, van Duijn C. Fine mapping the CEPT region reveals a common intronic insertion associated to HDL-C. *NPJ Aging Mech Dis*. 2015;1:15011. doi: 10.1038/npjamd.2015.11. eCollection 2015.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Fine+mapping+the+CETP+region+reveals+a+common+intronic+deletion+associated+to+HDL-C)
5. [Manichaikul A, van Leeuwen EM, Karssen LC, Deelen J, Isaacs A, Medina-Gomez C, Mbarek H, Kanterakis A, Trompet S, Postmus I, Verweij N, van Enckevort DJ, Huffman JE, White CC, Feitosa MF, Bartz TM, Joshi PK, Peloso GM, Deelen P, van Dijk F, Willemsen G, de Geus EJ, Milaneschi Y, Penninx BW, Francioli LC, Menelaou A, Pulit SL, Rivadeniera F, Hofman A, Oostra BA, Franco OH, Mateo Leach I, Beekman M, de Craen AJ, Uh HW, Trochet H, Hocking LJ, Porteous DJ, Sattar N, Packard CJ, Buckley BM, Brody JA, Bis JC, Rotter JI, Mychaleckyj JC, Campbell H, Duan Q, Lange LA, Wilson JF, Hayward C, Polasek O, Vitart V, Rudan I, Wright AF, Rich SS, Psaty BM, Borecki IB, Kearney PM, Stott DJ, Adrienne Cupples; Genome of The Netherlands Consortium, Jukema JW, van der Harst P, Sijbrands EJ, Hottenga JJ, Uitterlinden AG, Swertz MA, van Ommen GJ, de Bakker PI, Eline Slagboom P, Boomsma DI, Wijmenga C, van Duijn CM. Genome of The Netherlands population-specific imputations idendify an ABCA6 variant associated with cholesterol levels. *Nat Commun*. 2015;6:6065. doi: 10.1038/ncomms7065.](https://www.ncbi.nlm.nih.gov/pubmed/25751400)
6. [Manichaikul A, van Leeuwen EM, Sabo A, Bis JC, Huffman JE, Smith AV, Feitosa MF, Demissie S, Joshi PK, Duan Q, Marten J, van Klinken JB, Surakka I, Nolte IM, Zhang W, Mbarek H, Li-Gao R, Trompet S, Verweij N, Evangelou E, Lyytikainen LP, Tayo BO, Deelen J, vander Most PJ, van der Laan SW, Arking DE, Morrison A, Dehghan A, Franco OH, Hofman A, Rivadeneira F, Sijbrands EJ, Uitterlinden AG, Mychaleckyj JC, Campbell A, Hocking LJ, Padmanabhan S, Brody JA, Rice KM, White CC, Harris T, Isaacs A, Campbell H, Lange LA, Rudan I, Kolcic I, Navarro P, Zemunik T, Salomaa V; LifeLines Cohort Study, Kooner AS, Kooner JS, Lehne B, Scott WR, Tan ST, de Geus EJ, Milaneschi Y, Penninx BW, Willemsen G, de Mutsert R, Ford I, Gansevoort RT, Segura-Lepe MP, Raitakari OT, Viikari JS, Nikus K, Forrester T, McKenzie CA, de Craen AJ, de Ruijter HM; CHARGE Lipids Working Group, Pasterkamp G, Snieder H, Oldehinkel AJ, Slagboom PE, Cooper RS, Kahonen M, Lehtimaki T, Elliott P, van der Harst P, Jukema JW, Mook-Kanamori DO, Boomsma DI, Chambers JC, Swertz M, Ripatti S, Willems van Dijk K, Vitart V, Polasek O, Hayward C, Wilson JG, Wilson JF, Gudnason V, Rich SS, Psaty BM, Borecki IB, Boerwinkle E, Rotter JI, Cupples LA, van Duijn CM. Meta-analysis of 49 549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant in ANGPTL4 determining fasting TG levels. *J Med Genet*. 2016;53(7):441-449.](https://www.ncbi.nlm.nih.gov/pubmed/27036123)
7. [Manichaikul A, Vuckovic D, Bao EL, Akbari P, Lareau CA, Mousas A, Jiang T, Chen MH, Raffield LM, Tardaguila M, Huffman JE, Ritchie SC, Megy K, Ponstingl H, Penkett CJ, Albers PK, Wigdor EM, Sakaue S, Moscati A, Manansala R, Lo KS, Quan H, Akiyama M, Bartz TM, Ben-Shlomo Y, Beswick A, Bork-Jensen J, Bottinger EP, Brody JA, van Rooij FJA, Chitrala KN, Wilson PWF, Choquet H, Danesy J, Angelantonio ED, Dimou N, Ding J, Elliott P, Esko T, Evans MK, Felix SB, Floyd JS, Broer L, Grarup N, Guo MH, Guo Q, Greinacher A, Haessler J, Hansen T, Howson JMM, Huang W, Jorgenson E, Kacprowski T, Kahonen M, Kamatani Y, Kanai M, Karthikeyan S, Koskeridis F, Lange LA, Lehtimaki T, Linneberg A, Liu Y, Lyytikainen LP, Matsuda K, Mohlke KL, Mononen N, Murakami Y, Nadkarni GN, Nikus K, Pankratz N, Pedersen O, Preuss M, Psaty BM, Raitakari OT, Rich SS, Rodriguez BAT, Rosen JD, Rotter JI, Schubert P, Spracklen CN, Surendran P, Tang H, Tardiff JC, Ghanbari M, Volker U, Volzke H, Watkins NA, Weiss S, VA Million Veteran Program; Cai N, Kundu K, Watt SB, Walter K, Zonderman AB, Cho K, Li Y, Loos RJF, Knight JC, George M, Stegle O, Evangelou E, Okada Y, Roberts DJ, Inouye M, Johnson AD, Auer PL, Astle WJ, Reiner AP, Butterworth AS, Ouwehand WH, Lettre G, Sankaran VG, Soranzo N. The Polygenic and Monogenic Basis of Blood Traits and Diseases. *Cell*. 2020;182(5):1214-1231.](https://pubmed.ncbi.nlm.nih.gov/32888494/)
8. [Manichaikul A, Wang XQ, Li L, Erdmann J, Lettre G, Bis JC, Waterworth D, Cushman M, Jenny NS, Post WS, Palmas W, Tsai MY, Wallentin L, White H, Schunkert H, O’Donnell CJ, Herrington DM, Rich SS, O’Donoghue ML, Rodriguez A. Lp-PLA2, scavenger receptor class B type 1 gene (SCARB1) rs1084744 variant, and cardiovascular disease. *PLoS One*. 2018;13(10):e0204352. doi: 10.1371/journal.pone.0204352. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/30289950)
9. [Manichaikul A, Wang XQ, Musani SK, Herrington DM, Post WS, Wilson JG, Rich SS, Rodriguez A. Association of the Lipoprotein Receptor SCARB1 Common Missense Variant rs4238001 with Incident Coronary Heart Disease. *PLoS One*. 2015;10(5):e0125497. doi: 10.1371/journal.pone.0125497. eCollection 2015.](https://www.ncbi.nlm.nih.gov/pubmed/25993026)
10. [Manichaikul A, Wang XQ, Sun L, Dupuis J, Borczuk AC, Nguyen JN, Raghu G, Hoffman EA, Onengut-Gumuscu S, Farber EA, Kaufman JD, Rabinowitz D, Stukovsky KDH, Kawut SM, Hunninghake GM, Washko GR, O’Connor GT, Rich SS, Barr RG, Lederer DJ. Genome-wide association study of subclinical interstitial lung disease in MESA. *Respir Res*. 2017;18(1):97. doi: 10.1186/s12931-017-0581-2.](https://www.ncbi.nlm.nih.gov/pubmed/28521775)
11. [Manichaikul A, Wang XQ, Zhao W, Wojczynski MK, Siebenthall K, Stamatoyannopoulos JA, Saleheen D, Borecki IB, Reilly MP, Rich SS, Bornfeldt KE. Genetic association of long-chain acyl-CoA synthetase 1 variants with fasting glucose, diabetes, and subclinical atherosclerosis. *J Lipid Res*. 2016;57(3)433-442.](https://www.ncbi.nlm.nih.gov/pubmed/26711138)
12. [Manichaikul A, Wilk JB, Shrine NR, Loehr LR, Zhao JH, Lopez LM, Smith AV, Heckbert SR, Smolonska J, Tang W, Loth DW, Curjuric I, Hui J, Cho MH, Latourelle JC, Henry AP, Aldrich M, Bakke P, Beaty TH, Bentley AR, Borecki IB, Brusselle GG, Burkart KM, Chen TH, Couper D, Crapo JD, Davies G, Dupuis J, Franceschini N, Gulsvik A, Hancock DB, Harris TB, Hofman A, Imboden M, James AL, Khaw KT, Lahousse L, Launer LJ, Litonjua A, Liu Y, Lohman KK, Lomas D, Lumley T, Marciante KD, McArdle WL, Meibohm B, Morrison AC, Musk AW, Myers RH, North KE, Postma DS, Psaty BM, Rich SS, Rivadeneira F, Rochat T, Rotter JI, Soler Artigas M, Starr JM, Uitterlinden AG, Wareham NJ, Wijmenga C, Zanen P, Province MA, Silverman EK, Deary IJ, Palmer LJ, Cassano PA, Gudnason V, Barr RG, Loos RJ, Strachan DP, London SJ, Boezen HM, Probst-Hensch N, Gharib SA, Hall IP, O’Connor GT, Tobin MD, Stricker BH. Genome-Wide Association Studies Identify CHRNA5/3 And HTR4 in the Development of Airflow Obstruction. *Am J Respir Crit Care Med*. 2012;186(7):622-632.](http://www.ncbi.nlm.nih.gov/pubmed/22837378)
13. [Manichaikul A, Wyss AB, Sofer T, Lee MK, Terzikhan N, Nguyen JN, Lahousse L, Latourelle JC, Smith AV, Bartz TM, Feitosa MF, Gao W, Ahluwalia TS, Tang W, Oldmeadow C, Duan Q, de Jong K, Wojczynski MK, Wang XQ, Noordam R, Hartwig FP, Jackson VE, Wang T, Obeidat M, Hobbs BD, Huan T, Gui H, Parker MM, Hu D, Mogil LS, Kichaev G, Jin J, Graff M, Harris TB, Kalhan R, Heckbert SR, Paternoster L, Burkart KM, Liu Y, Holiday EG, Wilson JG, Vonk JM, Sanders JL, Barr RG, de Mutsert R, Menezes AMB, Adams HHH, van den Berge M, Joehanes R, Levin AM, Liberto J, Launer LJ, Morrison AC, Sitlani CM, Celedon JC, Kritchevsky SB, Scott RJ, Christensen K, Rotter JI, Bonten TN, Wehrmeister FC, Bosse Y, Xiao S, Oh S, Franceschini N, Brody JA, Kaplan RC, Lohman K, McEvoy M, Province MA, Rosendaal FR, Taylor KD, Nickle DC, Williams LK, Burchard EG, Wheeler HE, Sin DD, Gudnason V, North KE, Fornage M, Psaty BM, Myers RH, O’Connor G, Hansen T, Laurie CC, Cassano PA, Sung J, Kim Wj, Attia JR, Lange L, Boezen HM, Thyagarajan B, Rich SS, Mook-Kanamori DO, Horta BL, Uitterlinden AG, Im HK, Cho MH, Brusselle GG, Gharib SA, Dupuis J, London SJ. Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. *Nat Commun*. 2018;9(1):2976. doi: 10.1038/s41467-018-05369-0.](https://www.ncbi.nlm.nih.gov/pubmed/30061609)

1. [Manichaikul A, Xu J, Bartz TM, Chittoor G, Eiriksdottir G, Sun F, Terzikhan N, Zhou X, Booth SL, Brusselle GG, de Boer IH, Fornage M, Frazier-Wood AC, Graff M, Gudnason V, Harris TB, Hofman A, Hou R, Houston DK, Jacobs DR, Kritchevsky SB, Latourelle J, Lemaitre RN, Lutsey PL, O’Connor G, Oelsner EC, Pankow JS, Psaty BM, Rohde RR, Rich SS, Rotter JI, Smith LJ, Stricker BH, Voruganti VS, Wang TJ, Zillikens MC, Barr RG, Dupuis J, Gharib SA, Lahousse L, London SJ, North KE, Smith AV, Steffen LM, Hancock DB, Cassano PA. Meta-analysis across Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium provides evidence for an association of serum vitamin D with pulmonary function. *Br J Nutr*. 2018;120(10):1159-1170.](https://www.ncbi.nlm.nih.gov/pubmed/30205856)
2. [Manichaikul AW, Xu, J, Gaddis NC, Bartz TM, Hou R, Pankratz N, Smith AV, Sun F, Terzikhan N, Markunas CA, Patchen BK, Schu M, Beydoun MA, Brusselle GG, Eiriksdottir G, Zhou X, Wood AC, Graff M, Harris TB, Ikram MA, Jacobs Jr DR, Launer LJ, Lemaitre RN, O’Connor GT, Oelsner EC, Psaty BM, Vasan RS, Rohde RR, Rish SS, Rotter JI, Seshadri S, Smith LJ, Tiemeier H, Tsai MY, Uitterlinden AG, Voruganti VS, Xu H, Zilhao NR, Fornage M, Zillikens MC, London SJ, Barr RG, Dupuis J, Gharib SA, Gudnason V, Lahousse L, North KE, Steffen LM, Cassano PA, Hancock DB. Omega-3 Fatty Acids and Genome-Wide Interaction Analysis Reveal DPP10-Pulmonary Function Association. *Am J Respir Crit Care Med*. 2019;199(5):631-642.](https://pubmed.ncbi.nlm.nih.gov/30199657/)
3. [Manichaikul A, Yang C, Veenstra J, Bartz TM, Pahl MC, Hallmark B, Chen YDI, Westra J, Steffen LM, Brown CD, Siscovick D, Tsai MY, Wood AC, Rich SS, Smith CE, O’Connor TD, Mozaffarian D, Grant SFA, Chilton FH, Tintle NL, Lemaitre RN. Genome-wide association studies and fine-mapping identify genomic loci for n-3 and n-6 polyunsaturated fatty acids in Hispanic American and African American cohorts. *Commun Biol*. 2023;6(1):852. doi: 10.1038/s42003-023-05219-w.](https://pubmed.ncbi.nlm.nih.gov/37587153/)
4. [Manichaikul A, Zhao X, Qiao, Yang C, Kasela S, Kim W, Ma Y, Shrine N, Batini C, Sofer T, Taliun SAG, Sakornsakolpat P, Balte PP, Prokopenko D, Yu B, Lange LA, Dupuis J, Cade BE, Lee J, Gharib SA, Daya M, Laurie CA, Ruczinski I, Cupples LA, Loehr LR, Bartz TM, Morrison AC, Psaty BM, Vasan RS, Wilson JG, Taylor KD, Durda P, Johnson WC, Cornell E. Guo X, Liu Y, Tracy RP, Ardlie KG, Aguet F, VanDenBerg DJ, Papanicolaou GJ, Rotter JI, Barnes KC, Jain D, Nickerson DA, Muzny DM, Metcalf GA, Doddapaneni H, Dugan-Perez S, Gupta N, Stacey Gabriel S, Rich SS, O’Connor GT, Redline S, Reed RM, Laurie CC, Daviglus ML, Preudhomme LK, Burkart KM, Kaplan RC, Wain LV, Tobin MD, London SJ, Lappalainen T, Oelsner EC, Abecasis GR, Silverman EK, Barr RG, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Lung Working Group; Cho MH. Whole genome sequence analysis pulmonary function and COPD in 19,996 multi-ethnic participants. *Nat Commun*. 2020;11(1):5182. doi: 10.1038/s41467-020-18334-7.](https://pubmed.ncbi.nlm.nih.gov/33057025/)
5. [Manichaikul A, Zubair N, Graff M, Luis Ambite J, Bush WS, Kichaev G, Lu Y, Sheu WH, Absher D, Assimes TL, Bielinski SJ, Bottinger EP, Buzkova P, Chuang LM, Chung RH, Cochran B, Dumitrescu L, Gottesman O, Haessler JW, Laiman C, Heiss G, Hsiung CA, Hung YJ, Hwu CM, Juang JJ, Le Marchand L, Lee IT, Lee WJ, Lin LA, Lin D, Lin SY, Mackey RH, Martin LW, Pasaniuc R, Peters U, Predazzi I, Quertermous T, Reiner AP, Robinson J, Rotter JI, Ryckman KK, Schreiner PJ, Stahl E, Tao R, Tsai MY, Waite LL, Wang TD, Buyske S, Ida Chen YD, Cheng I, Crawford DC, Loos RJF, Rich SS, Fornage M, North KE, Kooperberg C, Carty CL. Fine-mapping of lipid regions in global populations discovers ethnic-specific signals and refines previously identified lipid loci. *Hum Mol Genet*. 2016;25(24):5500-5512.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Fine-mapping+of+lipid+regions+in+global+populations+discovers)
6. [Mann DM, Bertoni AG, Shimbo D, Carnethon MR, Chen H, Jenny NS, Muntner P. Comparative validity of 3 diabetes mellitus risk prediction scoring models in a multiethnic US Cohort: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010 ;171(9):980-988.](http://www.ncbi.nlm.nih.gov/pubmed/20375194)
7. [Mann DM, Shimbo D, Cushman M, Lakoski S, Greenland P, Blumenthal RS, Michos ED, Lloyd-Jones DM, Muntner P. C-reactive protein level and the incidence of eligibility for statin therapy: the multi-ethnic study of atherosclerosis. *Clin Cardiol*. 2013;36(1):15-20.](http://www.ncbi.nlm.nih.gov/pubmed/22886783)
8. [Manolio TA, Arnold AM, Post W, Bertoni AG, Schreiner PJ, Sacco RL, Saad MF, Detrano RL, Szklo M. Ethnic differences in the relationship of carotid atherosclerosis to coronary calcification: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis.* 2008;197(1):132-138.](http://www.ncbi.nlm.nih.gov/pubmed/17412347?ordinalpos=7&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
9. [Manubolu VS, Mao S, Kinninger A, Dhal S, Ahmad K, Havistin R, Gao Y, Dailing C, Carr JJ, Roy SK, Budoff MJ. Association between coronary artery calcium and thoracic spine bone mineral density: Multiethnic Study of Atherosclerosis (MESA). *Nutr Metab Cardiovasc Dis*. 2023;33(3):532-540.](https://pubmed.ncbi.nlm.nih.gov/36642601/)
10. Marklund M, Wu JHY, Imamura F, Del Gobbo LC, Fretts A, de Goede J, Shi P, Tintle N, Wennberg M, Aslibekyan A, Chen TA, de Oliveira Otto MC, Hirakawa Y, Eriksen HH, Kroger J, Laguzzi F, Lankinen M, Murphy RA, Prem K, Samiera C, Virtanen J, Wood AC, Wong K, Yang WS, Zhou X, Baylin A, Boer JMA, Brouwer IA, Campos H, Chaves PHM, Chien KL, de Faire U, Djousse L, Eiriksdottir G, El-Abbadi N, Forouhi NG, Michael Gazinao J. Geleijnse JM, Gigante B, Gilse G, Guallar E, Gudnason V, Harris T, Harris WS, Helmer C, Hellenious ML, Hodge A, Hu FB, Jacques PF, Jansson JH, Kalsbeek A, Khaw KT, Koh WP, Laakso M, Leander K, Lin HJ, Lind L, Luben R, Luo J, McKnight B, Mursu J, Ninomiya T, Overvad K, Psaty BM, Rimm E, Schulze MB, Siscovick D, Skjelbo Nielsen M, Smith AV, Steffen BT, Steffen L, Sun Q, Sundstrom J, Tsai MY, Tunstall-Pedoe H, Uusitupa MIJ, van Dam RM, Veenstra J, Monique Verschuren WM, Wareham N, Willett W, Woodward M, Yuan JM, Micha R, Lemaitre RN, Mozaffarian D, Riserus U; Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Fatty Acids and Outcomes Research Consortium (FORCE). *Circulation*. 2019;139(21):2422-2436.
11. [Markman TM, Bluemke D, Soliman EZ, Wu C, Kawel-Boehm N, Lima JAC, Nazarian S. Baseline ST elevation and myocardial scar: Results from the multi-ethnic study of atherosclerosis. *J Electrocardiol*. 2019;56:29-33.](https://www.ncbi.nlm.nih.gov/pubmed/31247443)
12. [Markman TM, Habibi M, Venkatesh BA, Zareian M, Wu C, Heckbert SR, Bluemke DA, Lima JAC. Association of left atrial structure and function and incident cardiovascular disease in patients with diabetes mellitus: results from multi-ethnic study of atherosclerosis (MESA). *Eur Heart J Cardiovasc Imaging*. 2017;18(10):1138-1144.](https://www.ncbi.nlm.nih.gov/pubmed/28329137)
13. [Marques MD, Weinberg R, Kapoor S, Ostovaneh MR, Kato Y, Liu CY, Shea S, McClelland RL, Post WS, Bluemke DA, Lima JAC, Ambale-Venkatesh B. Myocardial fibrosis by T1 mapping magnetic resonance imaging predicts incident cardiovascular events and all-cause mortality: the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J Cardiovasc Imaging*. 2022;23(10):1407-1416.](https://pubmed.ncbi.nlm.nih.gov/35147665/)
14. [Marron MM, Allison M, Kanaya AM, Larsen B, Wood AC, Herrington D, Greenland P, Miljkovic I. Associations Between Lipoprotein Subfractions and Area and Density of Abdominal Muscle and Intermuscular Adipose Tissue: The Multi-Ethnic Stud of Atherosclerosis. *Front Physiol*. 2021;12:713048. doi: 10.3389/fphys.2021.713048. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34646150/)
15. [Martin SS, Blaha MJ, Blankstein R, Agatston A, Rivera JJ, Virani SS, Ouyang P, Jones SR, Blumenthal RS, Budoff MJ, Nasir K. Dyslipidemia, coronary artery calcium, and incident atherosclerotic cardiovascular disease: implications for statin therapy from the multi-ethnic study of atherosclerosis. *Circulation*. 2014;129(1):77-86.](http://www.ncbi.nlm.nih.gov/pubmed/24141324)
16. [Martin SS, Blaha MJ, Muse ED, Qasim AN, Reilly MB, Blumenthal RS, Nasir K, Criqui MH, McClelland RL, Hughes-Austin JM, Allison MA. Leptin and incident cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2015;239(1):67-72.](http://www.ncbi.nlm.nih.gov/pubmed/25574859)
17. [Massera D, Buzkova P, Bortnick AE, Owens DS, Mao SS, Li D, De Boer IH, Kestenbaum BR, Budoff MJ, Kizer JR. Bone mineral density and long-term progression of aortic valve and mitral annular calcification: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2021;335:126-134.](https://pubmed.ncbi.nlm.nih.gov/34511241/)

1. [Massera D, McClelland RL, Venkatesh BA, Gomes AS, Hundley WG, Kawel-Boehm N, Yoneyama K, Owens DS, Garcia MJ, Sherrid MV, Kizer JR, Lima JA, Bluemke DA. Prevalence of Unexplained Left Ventricular Hypertrophy by Cardiac Magnetic Resonance Imaging in MESA. *J Am Heart Assoc*. 2019;8(8):e012250. doi: 10.1161/JAHA.119.012250.](https://www.ncbi.nlm.nih.gov/pubmed/30957681)
2. [Mathew JS, Leary PJ, Bansal N, Deo R, Lima JA, Siscovick DS, Kestenbaum B, Kawut SM, de Boer IH. Mineral Metabolism and the Right Ventricle: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2015;65(3):521-523.](http://www.ncbi.nlm.nih.gov/pubmed/25453996)
3. [Mathew JS, Sachs MC, Katz R, Patton KK, Heckbert SR, Hoofnagle AN, Alonso A, Chonchol M, Deo R, Ix JH, Siscovick DS, Kestenbaum B, de Boer IH. Fibroblast Growth Factor-23 and Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA) and the Cardiovascular Health Study (CHS). *Circulation*. 2014;130(4):298-307.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Fibroblast+Growth+Factor-23+and+Incident+Atrial+Fibrillation%3A+The+Multi-Ethnic+Study+of+Atherosclerosis)
4. [Mathews L, Subramanya V, Zhao D, Ouyang P, Vaidya D, Gualler E, Yeboah J, Herrington D, Hays AG, Budoff MJ, Michos ED. Endogenous Sex Hormones and Endothelial Function in Postmenopausal Women and Men: The Multi-Ethnic Study of Atherosclerosis. *J Womens Health (Larchmt)*. 2019;28(7):900-909.](https://www.ncbi.nlm.nih.gov/pubmed/31170017)
5. [Mathias RA, Taub MA, Conomos MP, Keener R, Iyer KR, Weinstock JS, Yanek LR, Lane J, Miller-Fleming TW, Brody JA, Raffield LM, McHugh CP, Jain D, Gogarten SM, Laurie CA, Keramati A, Arvanitis M, Smith AV, Heavner B, Barwick L, Becker LC, Bis JC, Blangero J, Bleeker ER, Burchard EG, Celedon JC, Chang YPC, Custer B, Darbar D, de Las Fuentes L, DeMeo DL, Freedman BI, Garrett ME, Gladwin MT, Heckbert SR, Hidalgo BA, Irvin MR, Islam T, Johnson WC, Kaab S, Launer L, Lee J, Liu S, Moscati A, North KE, Peyser PA, Rafaels N, Seidman C, Weeks DE, Wen F, Wheeler MM, Williams LK, Yang IV, Zhao W, Aslibekyan S, Auer PL, Bowden DW, Cade BE, Chen Z, Cho MH, Cupples LA, Curran JE, Daya M, Deka R, Eng C, Fingerlin TE, Guo X, Hou L, Hwang SJ, Johnson JM, Kenny EE, Levin AM, Liu C, Minster RL, Naseri T, Nouraie M, Reupena MS, Sabino EC, Smith JA, Smith NL, Su JL, Taylor JG, Telen MJ, Tiwari HK, Tracy RP, White MJ, Zhang Y, Wiggins KL, Weiss ST, Vasan RS, Taylor KD, Sinner MF, Silverman EK, Shoemaker MB, Sheu WHH, Sciurba F, Schwartz DA, Rotter JI, Roden D, Redline S, Raby BA, Psaty BM, Peralta JM, Palmer ND, Nekhai S, Montgomery CG, Mitchell BD, Meyers DA, McGarvey ST; NHLBI CARE Network; Mak AC, Loos RJ, Kumar R, Kooperberg C, Konkle BA, Kelly S, Kardia SL, Kaplan R, He J, Gui H, Gilliland FD, Gelb BD, Fornage M, Ellinor PT, de Andrade M, Correa A, Chen YDI, Boerwinkle E, Barnes KC, Ashley-Koch AE, Arnett DK; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Hematology and Hemostasis Working Group; TOPMed Structural Variation Working Group; Laurie CC, Abecasis G, Nickerson DA, Wilson JG, Rich SS, Levy D, Ruczinski I, Aviv A, Blackwell TW, Thornton T, O’Connell J, Cox NJ, Perry JA, Armanios M, Battle A, Pankratz N, Reiner AP. Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. *Cell Genom*. 2022;2(1):100084. doi: 10.1016/j.xgen.2021.100084.](https://pubmed.ncbi.nlm.nih.gov/35530816/)
6. [Matsushita K, Ballew SH, Coresh J, Arima H, Arnlov J, Cirillo M, Ebert N, Hiramoto JS, Kimm H, Shlipak MG, Visseren FLJ, Gansevoort RT, Kovesdy CP, Shalev V, Woodward M, Kronenberg F; Chronic Kidney Disease Prognosis Consortium. Measures of chronic kidney disease and risk of incident peripheral artery disease: a collaborative meta-analysis of individual participant data. *Lancet Diabetes Endocrinol*. 2017;5(9):718-728.](https://www.ncbi.nlm.nih.gov/pubmed/28716631)
7. [Matsushita K, Coresh J, Sang Y, Chalmers J, Fox C, Guallar E, Jafar T, Jassal SK, Landman GW, Muntner P, Roderick P, Sairenchi T, Schottker B, Shankar A, Shlipak M, Toneilli M, Townsend J, van Zuilen A, Yamagashi K, Yamagashita K, Gansevoort R, Sarnak M, Warnock DG, Woodward M, Arnlov J; CKD Prognosis Consortium. *Lancet Diabetes Endocrinol*. 2015;3(7);514-525.](http://www.ncbi.nlm.nih.gov/pubmed/26028594)
8. [Matsushita K, Jassal SK, Sang Y, Ballew SH, Grams ME, Surpapaneni A, Arnlov J, Bansal N, Bozic M, Breener H, Brunskill NJ, Chang AR, Chinnadurai R, Cirillo M, Correa A, Ebert N, Eckardt KU, Gansevoort RT, Gutierrez O, Hadaegh F, He J, Hwang SJ, Jafar TH, Kayama T, Kovesdy CP, Landman GW, Levey AS, Lloyd-Jones DM, Major RW, Miura K, Muntner P, Nadkarni GN, Naimark DM, Nowak C, Ohkubo T, Pena MJ, Polkinghorne KR, Sabanayagam C, Sairenchi T, Schneider MP, Shalev V, Shlipak M, Solbu MD, Stempniewicz N, Tollitt J, Valdivielso JM, van der Leeuw J, Wang AYM, Wen CP, Woodward M, Yamagishi K, Yatsuya H, Zhang L, Schaeffner E, Coresh J. Incorporating kidney disease measures into cardiovascular risk prediction: Development and validation in 9 million adults from 72 datasets. *EClinicalMedicine*. 2020;14:27:100552. doi: 10.1016/j.eclinm.2020.100552. eCollection 2020 Oct.](https://pubmed.ncbi.nlm.nih.gov/33150324/)
9. [Matsushita K, Kaptoge S, Hageman SHJ, Sang Y, Ballew SH, Grams ME, Surapaneni A, Sun L, Arnlov J, Bozic M, Brenner H, Brunskill NJ, Chang AR, Chinnadurai R, Cirillo M, Correa A, Ebert N, Eckardt KU, Gansevoort RT, Gutierrez O, Hadaegh F, He J, Hwang SJ, Jafar TH, Jassal SK, Kayama T, Kovesdy CP, Landman GW, Levey AS, Lloyd-Jones DM, Major RW, Miura K, Muntner P, Nadkarni GN, Nowak C, Ohkubo T, Pena MJ, Polkinghome KR, Sairenchi T, Schaeffner E, Schneider MP, Shalev V, Shlipak MG, Solbu MD, Stempniewicz N, Tolitt J, Valdivielso JM, van der Leeuw J, Wang YM, Wen CP, Woodward M, Yamagishi K, Yatsuya H, Zhang L, Dorresteijn JAN, Di Angelantonio E, Visseren FLJ, Pennells L, Coresh J. Including measures of chronic kidney disease to improve cardiovascular risk prediction by SCORE2 and SCORE2-OP. *Eur J Prev Cardiol*. 2023;30(1):8-16.](https://pubmed.ncbi.nlm.nih.gov/35972749/)
10. [Matsushita K, Mahmoodi BK, Woodward M, Emberson JR, Jafar TH, Jee Sh, Polkinghorne KR, Shankar A, Smith DH, Tonelli M, Warnock DG, Wen CP, Coresh J, Gansevoort RT, Hemmelgarn BR, Levey AS; Chronic Kidney Disease Prognosis Consortium. Comparison of risk prediction using the CKD-EPI equation and the MDRD study equation for estimated glomerular filtration rate. *JAMA*. 2012;307(18):1941-1951.](http://www.ncbi.nlm.nih.gov/pubmed/22570462)
11. [Matsushita K, Sang Y, Chen J, Ballew SH, Shlipak M, Coresh J, Peralta CA, Woodward M. Novel “Predictor Patch” Method for Adding Predictors Using Estimates From Outside Datasets - A Proof-of-Concept Study Adding Kidney Measures to Cardiovascular Mortality Prediction. *Circ J*. 2019;83(9):1876-1882.](https://www.ncbi.nlm.nih.gov/pubmed/31327793)
12. [Matsushita K, Sang Y, Ballew SH, Shlipak M, Katz R, Rosas SE, Peralta CA, Woodward M, Kramer HJ, Jacobs DR, Sarnak MJ, Coresh J. Subclinical atherosclerosis measures for cardiovascular prediction in CKD. *J Am Soc Nephrol*. 2015;26(2):439-447.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Subclinical+atherosclerosis+measures+for+cardiovascular+prediction+in+CKD)
13. [Mauger CA, Gilbert K, Suinesiaputra A, Bluemke DA, WU CO, Lima JAC, Young AA, Ambale-Venkatesh B. Multi-Ethnic Study of Atherosclerosis: Relationship between Left Ventricular Shape at Cardiac MRI and 10-year Outcomes. *Radiology*. 2023;306(2):e220122. doi: 10.1148/radiol.220122.](https://pubmed.ncbi.nlm.nih.gov/36125376/)
14. [Maurer Braun L, Rodriguez DA, Evenson KR, Hirsch JA, Moore KA, Diez Roux AV. Walkability and cardiometabolic risk factors: Cross-sectional and longitudinal associations from the Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2016;39:9-17.](https://www.ncbi.nlm.nih.gov/pubmed/26922513)
15. [Mayne SL, Auchincloss AH, Moore KA, Micheal YL, Tabb LP, Echeverria SE, Diez Roux AV. Cross-sectional and longitudinal associations of neighbourhood social environment and smoking behavior: the multiethnic study of atherosclerosis. *J Epidemiol Community Health*. 2017;71(4):396-403.](https://www.ncbi.nlm.nih.gov/pubmed/27885050)
16. [Mayne SL, Auchincloss AH, Stehr MF, Kern DM, Navas-Acien A, Kaufman JD, Michael YL, Diez Roux AV. Longitudinal Associations of Local Cigarette Prices and Smoking Bans with Smoking Behavior in the Multi-Ethnic Study of Atherosclerosis. *Epidemiology*. 2017;28(6):863-871.](https://www.ncbi.nlm.nih.gov/pubmed/28817468)
17. [Mayne SL, Hicken MT, Merkin SS, Seeman TE, Kershaw KN, Do DP, Hajat A, Diez Roux AV. Neighbourhood racial/ethnic residential segregation and cardiometabolic risk: the multiethnic study of atherosclerosis. *J Epidemiol Community Health*. 2019;73(1):26-33.](https://www.ncbi.nlm.nih.gov/pubmed/30269056)
18. [Mayne SL, Moore KA, Powell-Wiley TM, Evenson KR, Block R, Kershaw KN. Longitudinal Associations of Neighborhood Crime and Perceived Safety With Blood Pressure: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Hypertens*. 2018;31(9):1024-1032.](https://www.ncbi.nlm.nih.gov/pubmed/29897398)
19. [McAllister DA, Macnee W, Duprez D, Hoffman EA, Vogel-Claussen J, Criqui MH, Budoff M, Jiang R, Bluemke DA, Barr RG. Pulmonary Function is Associated with Distal Aortic Calcium, Not Proximal Aortic Distensibility. MESA Lung Study. *COPD*. 2011;8(2):71-78.](http://www.ncbi.nlm.nih.gov/pubmed/21495835)
20. [McAuley PA, Chen H, Lee DC, Artero EG, Bluemke DA, Burke GL. Physical Activity, Measures of Obesity and Cardiometabolic Risk: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Phys Act Health*. 2014;11(4):831-837.](http://www.ncbi.nlm.nih.gov/pubmed/23676525)
21. [McAuley PA, Hsu FC, Loman KK, Carr JJ, Budoff MJ, Szklo M, Sharrett AR, Ding J. Liver Attenuation, Pericardial Adipose Tissue, Obesity, and Insulin Resistance: The Multi-Ethnic Study of Atherosclerosis (MESA). *Obesity (Silver Spring)*. 2011;19(9):1855-1860.](http://www.ncbi.nlm.nih.gov/pubmed/21720430)
22. [McClain J, Hsu F, Brown E, Burke G, Carr J, Harris T, Kritchevsky S, Szklo M, Tracy R, Ding J. Pericardial adipose tissue and coronary artery calcification in the Multi-ethnic Study of Atherosclerosis (MESA). *Obesity (Silver Spring)*. 2013;21(5):1056-1063.](http://www.ncbi.nlm.nih.gov/pubmed/23784910)
23. [McClelland RL, Bild DE, Burke GL, Mukamal KJ, Lima JA, Kronmal RA. Alcohol and coronary artery calcium prevalence, incidence, and progression: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr*. 2008;88(6):1593-1601.](http://www.ncbi.nlm.nih.gov/pubmed/19064520?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
24. [McClelland RL, Chung H, Detrano R, Post W, Kronmal RA. Distribution of coronary artery calcium by race, gender, and age: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*. 2006;113(1):30-37.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16365194)
25. [McClelland RL, Jorgensen NW, Budoff M, Blaha MJ, Post WS, Kronmal RA, Bild DE, Shea S, Liu K, Watson KE, Folsom AR, Khera A, Ayers C, Mahabadi AA, Lehmann N, Jockel KH, Moebus S, Carr JJ, Erbel R, Burke GL. 10-Year Coronary Heart Disease Risk Prediction Using Coronary Artery Calcium and Traditional Risk Factors: Derivation in the MESA (Multi-Ethnic Study of Atherosclerosis) With Validation in the HNR (Heinz Nixdorf Recall) Study and the DHS (Dallas Heart Study). *J Am Coll Cardiol*. 2015;66(15):1643-1653.](http://www.ncbi.nlm.nih.gov/pubmed/26449133)
26. [McClelland RL, Jorgensen NW, Post WS, Szklo M, Kronmal RA. Methods for estimation of disparities in medication use in an observational cohort study: results from the Multi-Ethnic Study of Atherosclerosis. *Pharmacoepidemiol Drug Saf*. 2013;22(5):533-541.](http://www.ncbi.nlm.nih.gov/pubmed/23382107)
27. [McClelland RL, Kronmal RA, Haessler J, Blumenthal RS, Goff DC Jr. Estimation of risk factor associations when the response is influenced by medication use: An imputation approach. *Stat Med*. 2008;27(24):5039-5053.](http://www.ncbi.nlm.nih.gov/pubmed/18613245?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
28. [McClelland RL, Nasir K, Budoff M, Blumenthal RS, Kronmal RA. Arterial Age as a Function of Coronary Artery Calcium (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2009;103(1):59-63.](http://www.ncbi.nlm.nih.gov/pubmed/19101230?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
29. [McDermott MM, Liu K, Criqui MH, Ruth K, Goff D, Saad MF, Wu C, Homma S, Sharrett AR. Ankle-brachial index and subclinical cardiac and carotid disease: the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2005;162(1):33-41.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15961584)
30. [McEvoy JW, Blaha MJ, DeFilippis AP, Lima JA, Bluemke DA, Hundley WG, Min JK, Shaw LJ, Lloyd-Jones DM, Barr RG, Budoff MJ, Blumenthal RS, Nasir K. Cigarette smoking and cardiovascular events: role of inflammation and subclinical atherosclerosis: the multiethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2015;35(3):700-709.](http://www.ncbi.nlm.nih.gov/pubmed/25573855)
31. [McEvoy JW, Martin SS, Dardari ZA, Miedema MD, Sandfort V, Yeboah J, Budoff MJ, Goff DC Jr, Psaty BM, Post WS, Nasir K, Blumenthal RS. Coronary Artery Calcium to Guide a Personalized Risk-Based Approach to Initiation and Intensification of Antihypertensive Therapy. *Circulation*. 2017;135(2):153-165.](https://www.ncbi.nlm.nih.gov/pubmed/27881560)
32. [McEvoy JW, Nasir K, DeFilippis AP, Lima JA, Bluemke DA, Hundley WG, Barr RG, Budoff MJ, Szklo M, Navas-Acien A. Polak JF, Blumenthal RS, Post WS, Blaha MJ. Relationship of cigarette smoking with inflammation and subclinical vascular disease: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2015;35(4):1002-1010.](http://www.ncbi.nlm.nih.gov/pubmed/25745060)
33. [McGeachie M, Ramoni RL, Mychaleckyj JC, Furie KL, Dreyfuss JM, Liu Y, Herrington D, Guo X, Lima JA, Post W, Rotter JI, Rich S, Sale M, Ramoni MF. Integrative predictive model of coronary artery calcification in atheroscloerosis. *Circulation*. 2009;120(24):2448-2454.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Integrative+predictive+model+of+coronary+artery+calcification+in+atheroscloerosis)
34. [McGroder CF, Aaron CP, Bielinski SJ, Kawut SM, Tracy RP, Raghu G, Barr RG, Lederer DJ, Podolanczuk AJ. Circulating adhesion molecules and subclinical interstitial lung disease: the Multi-Ethnic Study of Atherosclerosis. *Eur Respir J*. 2019;54(3). pii: 1900295. doi: 10.1183/13993003.00295-2019.](https://www.ncbi.nlm.nih.gov/pubmed/?term=McGroder+CF)
35. [McGroder CF, Hansen S, Hinckley Stukovsky K, Zhang D, Nath PH, Salvatore MM, Sonavane SK, Terry N, Stowell JT, D’Souza BM, Leb JS, Dumeer S, Aziz MU, Batra K, Hoffman EA, Bernstein EJ, Kim JS, Podolanczuk AJ, Rotter JI, Manichaikul AW, Rich SS, Lederer DJ, Barr RG, McClelland RL, Garcia CK. Incidence of Interstital Lung Abnormalities: The MESA Lung Study. *Eur Respir J*. 2023 May 18. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37202153/)
36. [McKeown NM, Hruby A, Ngwa JS, Renström F, Wojczynski MK, Ganna A, Hallmans G, Houston DK, Jacques PF, Kanoni S, Lehtimäki T, Lemaitre RN, Manichaikul A, North KE, Ntalla I, Sonestedt E, Tanaka T, van Rooij FJ, Bandinelli S, Djoussé L, Grigoriou E, Johansson I, Lohman KK, Pankow JS, Raitakari OT, Riserus U, Yannakoulia M, Zillikens MC, Hassanali N, Liu Y, Mozaffarian D, Papoutsakis C, Syvänen AC, Uitterlinden AG, Viikari J, Groves CJ, Hofman A, Lind L, McCarthy MI, Mikkilä V, Mukamal K, Franco OH, Borecki IB, Cupples LA, Dedoussis GV, Ferrucci L, Hu FB, Ingelsson E, Kähönen M, Kao WH, Kritchevsky SB, Orho-Melander M, Prokopenko I, Rotter JI, Siscovick DS, Witteman JC, Franks PW, Meigs JB, Nettleton JA. Higher Magnesium Intake Is Associated with Lower Fasting Glucose and Insulin, with No Evidence of Interaction with Select Genetic Loci, in a Meta-Analysis of 15 CHARGE Consortium Studies. *J Nutr*. 2013;143 (3):345-353.](http://www.ncbi.nlm.nih.gov/pubmed/23343670)
37. [McNamara CA, Doran AC, Lehtinen AB, Meller N, Lipinski MJ, Slayton RP, Oldham SN, Skaflen MD, Yeboah J, Rich SS, Bowden DW. Id3 is a novel atheroprotective factor containing a functionally significant single-nucleotide polymorphism associated with intima-media thickness in humans. *Circ Res*. 2010;106(7):1303-1311.](http://www.ncbi.nlm.nih.gov/pubmed/20185798)
38. [McNamara DA, Ng J, Ilkanoff L, Schaechter A, Goldberger JJ, Kadish AH. Associations of Sex Hormones With Surface Electrocardiogram J Point Amplitude in Healthy Volunteers. *Am* *J Cardiol*. 2017;119(11):1877-1882.](https://www.ncbi.nlm.nih.gov/pubmed/28395892)
39. [McNeely MJ, McClelland RL, Bild DE, Jacobs DR Jr, Tracy RP, Cushman M, Goff DC Jr, Astor BC, Shea S, Siscovick DS. The Association between A1C and subclinical cardiovascular disease: the multi-ethnic study of atherosclerosis. *Diabetes Care*. 2009;32(9):1727-1733.](http://www.ncbi.nlm.nih.gov/pubmed/19549732?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
40. [Medrano-Gracia P, Cowan BR, Ambale-Venkatesh B, Bluemke DA, Eng J, Finn JP, Fonseca CG, Lima JA, Suinesiaputra A, Young AA. Left ventricular shape variation in asymptomatic populations: the Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Magn Reson*. 2014;16:56. doi: 10.1186/s12968-014-0056-2.](http://www.ncbi.nlm.nih.gov/pubmed/25160814)
41. [Medrano-Gracia P, Cowan BR, Bluemke DA, Finn JP, Kadis AH, Lee DC, Lima JA, Suinesiaputra A, Young AA. Atlas-based analysis of cardiac shape and function: correction of regional shape bias due to imaging protocol for population studies. *J Cardiovasc Magn Reson*. 2013;15:80. doi: 10. 1186/1532-429X-15-80.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Atlas-based+analysis+of+cardiac+shape+and+function)
42. [Mehta A, Pandey A, Ayers CR, Khera A, Sperling LS, Szklo MS, Gottesman RF, Budoff MJ, Blana MJ, Blumenthal RS, Nasir K, Joshi PH. Predictive Value of Coronary Artery Calcium Score Categories for Coronary Events Versus Strokes: Impact of Sex and Race: MESA and DHS. *Circ Cardiovasc Imaging*. 2020;13(8):e010153. doi: 10.1161/CIRCIMAGING.119.010153.](https://pubmed.ncbi.nlm.nih.gov/32806939/)
43. [Mehta A, Rigdon J, Tattersall mc, German CA, Barringer 3rd TA, Joshi PH, Sperling LS, Budoff MJ, Bertoni A, Michos ED, Blaha MJ, Stein JH, Shapiro MD. Association of Carotid Artery Plaque With Cardiovascular Events and Incident Coronary Artery Calcium in Individuals With Absent Coronary Calcification: The MESA. *Circ Cardiovasc Imaging*. 2021;14(4):e011701. doi: 10.1161/CIRCIMAGING.120.011701.](https://pubmed.ncbi.nlm.nih.gov/33827231/)
44. [Mehta A, Vasquez N, Ayers CR, Patel J, Hooda A, Khera A, Blumenthal RS, Shapiro MD, Rodriguez CJ, Tsai MY, Sperling LS, Virani SS, Blaha MJ, Joshi PH. Independent Association of Lipoprotein(a) and Coronary Artery Calcification With Atherosclerotic Cardiovascular Risk. *J Am Coll Cardiol*. 2022;79(8):757-768.](https://pubmed.ncbi.nlm.nih.gov/35210030/)
45. [Mehta R, Hodakowski A, Cai X, Lee KE, Kestenbaum BR, de Boer IH, Fawzi A, Wong TY, Ix J, Klein B, Klein R, Isakova T. Serum Phosphate and Retinal Microvascular Changes: The Multi-Ethnic Study of Atherosclerosis and the Beaver Dam Eye Study. *Ophthalmic Epidemiol*. 2017;24(6):371-380.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Serum+Phosphate+and+Retinal+Microvascular+Changes)
46. [Mehta R, Ning H, Bansal N, Cohen J, Srivastava A, Dobre M, Michos ED, Rahman M, Townsend R, Seliger S, Lash JP, Isakova T, Lloyd-Jones D, Khan SS. Ten-Year Risk-Prediction Equations for Incident Heart Failure Hospitalizations in Chronic Kidney Disease: Findings form the Chronic Renal Insufficiency Cohort Study and the Multi-Ethnic Study of Atherosclerosis. *J Card Fail*. 2022;28(4):540-550.](https://pubmed.ncbi.nlm.nih.gov/34763078/)
47. [Meier HCS, Hussein M, Needham B, Barber S, Lin J, Seeman T, Diez Roux A. Cellular response to chronic psychosocial stress: Ten-year longitudinal changes in telomere length in the Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2019;107:70-81.](https://www.ncbi.nlm.nih.gov/pubmed/31112903)
48. [Meigs JB, DiCorpo D, Gaynor SM, Russell EM, Westerman KE, Raffield LM, Majarian TD, Wu P, Sarnowski C, Highland HM, Jackson A, Hasbani NR, de Vries PS, Brody JA, Hidalgo B, Guo X, Perry JA, O’Connell JR, Lent S, Montasser ME, Cade BE, Jain D, Wang H, D’Oliveira Albanus R, Varshney A, Yanek LR, Lange L, Palmer ND, Almeida M, Peralta JM, Aslibekyan S, Baldridge AS, Bertoni AG, Bielak LF, Chen CS, Chen YDI, Choi WJ, Goodarzi MO, Floyd JS, Irvin MR, Kalyani RR, Kelly TN, Lee S, Liu CT, Loesch D, Manson JE, Minster RL, Naseri T, Pankow JS, Rasmussen-Torvik LJ, Reiner AP, Reupena MS, Selvin E, Smith JA, Weeks DE, Xu H, Yao J, Zhao W, Parker S, Alonso A, Arnett DK, Blangero J, Boerwinkle E, Correa A, Cupples LA, Curran JE, Duggirala R, He J, Heckbert SR, Kardia SLR, Kim RW, Kooperberg C, Liu S, Mathias RA, McGarvey ST, Mitchell BD, Morrison AC, Peyser PA, Psaty BM, Redline S, Shuldiner AR, Taylor KD, Vasan RS, Viaud-Martinez KA, Florez JC, Wilson JG, Sladek R, Rich SS, Rotter JI, Lin X, Dupuis J, Wessel J, Manning AK. Whole genome sequence association analysis of fasting glucose and fasting insulin levels in diverse cohorts from the NHLBI TOPMed program. *Commun Biol*. 2022;5(1):756. doi: 10.1038/s42003-022-03702-4.](https://pubmed.ncbi.nlm.nih.gov/35902682/)
49. [Mendez IJ, Manemann SM, Bell EJ, Larson NB, Decker PA, Guerrero MA, Hanson NQ, Heckbert SR, Pankow JS, Tsai MY, Bielinski SJ. Adhesion pathway proteins and risk of atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis. *BMC Cardiovasc Discord*. 2021;21(1):436. doi: 10.1186/s12872-021-02241-w.](https://pubmed.ncbi.nlm.nih.gov/34521347/)
50. [Mercer LD, Szpiro AA, Sheppard L, Lindstrom J, Adar SD, Allen RW, Avol EL, Oron AP, Larson T, Liu LJ, Kaufman JD. Comparing universal kriging and land-use regression for predicting concentrations of gaseous oxides of nitrogen (NOx) for the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *Atmos Environ*. 2011;45(26):4412-4420.](http://www.ncbi.nlm.nih.gov/pubmed/21808599)
51. [Merkin SS, Karlamangla A, Roux AV, Shrager S, Seeman TE. Life course socioeconomic status and longitudinal accumulation of allostatic load in adulthood: multi-ethnic study of atherosclerosis. *Am J Public Health*. 2014;104(4):e48-55.](http://www.ncbi.nlm.nih.gov/pubmed/24524526)
52. [Merkin SS, Karlamangla A, Diez Roux A, Shrager S, Watson S, Seeman T. Race/ethnicity, neighborhood socioeconomic status and cardio-metabolic risk. *SSM Popul Health*. 2020;11:100634. doi: 10.1016/j.ssmph.2020.100634. eCollection 2020 Aug.](https://pubmed.ncbi.nlm.nih.gov/32775593/)
53. [Merkin SS, Karlamangla A, Elashoff D, Grogan T, Seeman T. Change in cardiometabolic score and incidence of cardiovascular disease: the multi-ethnic study of atherosclerosis. *Ann Epidemiol*. 2015;25(12):912-917.](http://www.ncbi.nlm.nih.gov/pubmed/26603128)
54. [Messenger B, Li D, Nasir K, Carr JJ, Blankstein R, Budoff MJ. Coronary calcium scans and radiation exposure in the multi-ethnic study of atherosclerosis. *Int J Cardiovasc Imaging*. 2016;32(3):525-529.](http://www.ncbi.nlm.nih.gov/pubmed/26515964)
55. [Mewton N, Opdahl A, Choi EY, Almeida AL, Kawel N, Wu CO, Burke GL, Liu S, Liu K, Bluemke DA, Lima JA. Left ventricular global function index by magnetic resonance imaging--a novel marker for assessment of cardiac performance for the prediction of cardiovascular events: the multi-ethnic study of atherosclerosis. *Hypertension*. 2013;61(4):770-778.](http://www.ncbi.nlm.nih.gov/pubmed/23424238)
56. [Mezuk B, Choi M, DeSantis AS, Rapp SR, Diez Roux AV, Seeman T. Loneliness, Depression, and Inflammation: Evidence from the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2016;11(7):e0158056. doi: 10.1371//journal.pone.0158056. eCollection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/27367428)
57. [Mezuk B, Roux AV, Seeman T. Evaluating the buffering vs. direct effects hypotheses of emotional social support on inflammatory markers: The Multi-Ethnic Study of Atherosclerosis. *Brain, Behav Immun*. 2010;24(8):1294-1300.](http://www.ncbi.nlm.nih.gov/pubmed/20600815)
58. [Miao C, Chen S, Macedo R, Lai S, Liu K, Li D, Wasserman BA, Vogel-Clausen J, Lima JA, Bluemke DA. Positive remodeling of the coronary arteries detected by magnetic resonance imaging in an asymptomatic population: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2009;53(18):1708-1715.](http://www.ncbi.nlm.nih.gov/pubmed/19406347?ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
59. [Miao C, Chen S, Ding J, Liu K, Li D, Macedo R, Lai S, Vogel-Claussen J, Brown E, Lima JA, Bluemke DA. The association of pericardial fat with coronary artery plaque index at MR imaging: The Multi-Ethnic Study of Atherosclerosis (MESA). *Radiology*. 2011;261(1): 109-115.](http://www.ncbi.nlm.nih.gov/pubmed/21846753)
60. [Michos ED, Rice KM, Szklo M, Burke GL, Siscovick DS, Tracy RP, Barr RG, Nettleton JA, Greenland P, Jacobs DR Jr, Post W. Factors associated with low levels of subclinical vascular disease in older adults: multi-ethnic study of atherosclerosis. *Prev Cardiol.* 2009;12(2):72-79.](http://www.ncbi.nlm.nih.gov/pubmed/19476580?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
61. [Michos ED, Vaidya D, Gapstur SM, Schreiner PJ, Golden SH, Wong ND, Criqui MH, Ouyang P. Sex hormones, sex hormone binding globulin, and abdominal aortic calcification in women and men in the multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2008;200(2):432-438.](http://www.ncbi.nlm.nih.gov/pubmed/18262187?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
62. [Miedema MD, Dardari ZA, Kianoush S, Virani SS, Yeboah J, Knickelbine T, Sandfort V, Rodriguez CJ, Nasir K, Blaha MJ. Statin Eligibility, Coronary Artery Calcium, and Subsequent Cardiovascular Events According to the 2016 United States Preventive Services Task Force (USPSTF) Statin Guidelines: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2018;7(12). pii: e008920. doi: 10.1161/JAHA.118.008920.](https://www.ncbi.nlm.nih.gov/pubmed/29899017)
63. [Miedema MD, Duprez DA, Misialek JR, Blaha MJ, Nasir K, Silverman MG, Blankstein R, Budoff MJ, Greenland P, Folsom AR. Use of coronary artery calcium testing to guide aspirin utilization for primary prevention: estimates from the multi-ethnic study of atherosclerosis. *Circ Cardiovasc Qual Outcomes*. 2014;7(3):453-460.](http://www.ncbi.nlm.nih.gov/pubmed/24803472)
64. [Miller KA, Spalt EW, Gassett AJ, Curl CL, Larson TV, Avol E, Allen RW, Vedal S, Szpiro AA, Kaufman JD. Estimating ambient-origin PM2.5 exposure for epidemiology: observations, prediction, and validation using personal sampling in the Multi-Ethnic Study of Atherosclerosis. *J Expo Sci Environ* *Epidemiol*. 2019;29(2):227-237.](https://www.ncbi.nlm.nih.gov/pubmed/30166581)
65. [Miller PE, Zhao D, Frazier-Wood AC, Michos ED, Averill M, Sandfort V, Burke GL, Polak JF, Lima JA, Post WS, Blumenthal RS, Guallar E, Martin SS. Associations of Coffee, Tea, and Caffeine Intake with Coronary Artery Calcification and Cardiovascular Events. *Am J Med*. 2017;130(2):186-197.](https://www.ncbi.nlm.nih.gov/pubmed/27640739)
66. [Milles J, van der Geest RJ, Jerosch-Herold M, Reiber JH, Lelieveldt PF. Fully Automated Motion Correction in First-Pass Myocardial Perfusion MR Image Sequences. *IEEE Trans Med Imaging*. 2008;27(11):1611-1621.](http://www.ncbi.nlm.nih.gov/pubmed/18955176?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
67. [Min J, Putt ME, Yang W, Al-Naamani N, Bertoni AG, Lima JAC, Barr RG, Beussink-Nelson L, Shah SJ, Kawut SJ, Freed BH. Insulin Resistance Is Associated with Right Ventricular Dysfunction. *Ann Am Thorac Soc*. 2022;19(4):562-571.](https://pubmed.ncbi.nlm.nih.gov/34499590/)
68. [Min J, Putt ME, Yang W, Bertoni AG, Ding J, Lima JAC, Allison MA, Barr RG, Al-Naamani N, Patel RB, Beussink-Nelson L, Kawut SM, Shah SJ, Freed BH. Association of Pericardial Fat with Cardiac Structure, Function, and Mechanics: The Multi-Ethnic Study of Atherosclerosis. *J Am Soc Echocardiogr*. 2022;35(6):579-587.](https://pubmed.ncbi.nlm.nih.gov/35063614/)
69. [Mishra A, McClelland RL, Inoue LY, Kerr KF. Recalibration Methods for Improved Clinical Utility of Risk Scores. *Med Decis Making*. 2022;42(4):500-512.](https://pubmed.ncbi.nlm.nih.gov/34605718/)
70. [Mitchell A, Misialek JR, Folsom AR, Duprez D, Alonso A, Jerosch-Herold M, Sanchez OA, Watson KE, Sallam T, Konety SH. Usefulness of N-terminal Pro-brain Natriuretic Peptide and Myocardial Perfusion in Asymptomatic Adults (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2015;115(10):1341-1345.](http://www.ncbi.nlm.nih.gov/pubmed/25816778)
71. [Mitchell C, Korcarz CE, Gepner AD, Kaufman JD, Post W, Tracy R, Gassett AJ, Ma N, McClelland RL, Stein JH. Ultrasound carotid plaque features, cardiovascular disease risk factors and events: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2018;276:195-202.](https://www.ncbi.nlm.nih.gov/pubmed/29970256)
72. [Mitchell CC, Korcarz CE, Gepner AD, Nye R, Young RL, Matsuzaki M, Post WS, Kaufman JD, McClelland RL, Stein JH. Carotid Artery Echoluency, Texture Features, and Incident Cardiovascular Disease Events: The MESA Study. *J Am Heart Assoc*. 2019;8(3):e010875. doi: 10.1161/JAHA.118.010875.](https://www.ncbi.nlm.nih.gov/pubmed/30681393)
73. [Mitchell CC, Korcarz CE, Tattersall MC, Gepner AD, Young RL, Post WS, Kaufman JD, McClelland RL, Stein JH. Carotid artery ultrasound texture, cardiovascular risk factors, and subclinical arterial disease: the Multi-Ethnic Study of Atherosclerosis (MESA). *Br J Radiol*. 2018;91(1084):20170637. doi: 10.1259/bjr.20170637.](https://www.ncbi.nlm.nih.gov/pubmed/29308915)
74. [Mitchell CT, Kamineni A, Palmas W, Cushman M. Tissue factor pathway inhibitor, vascular risk factors and subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2009;207(1):277-283.](http://www.ncbi.nlm.nih.gov/pubmed/19467658?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
75. [Moazzami K, Ostovaneh MR, Ambale Venkatesh B, Habibi M, Yoneyama K, Wu C, Liu K, Pimenta I, Fitzpatrick A, Shea S, McClelland RL, Heckbert S, Gottesman RF, Bluemke DA, Hughes TM, Lima JAC. Left Ventricular Hypertrophy and Remodeling and Risk of Cognitive Impairment and Dementia: MESA (Multi-Ethnic Study of Atherosclerosis). *Hypertension*. 2018;71(3):429-436.](https://www.ncbi.nlm.nih.gov/pubmed/29378853)
76. [Mogil LS, Andaleon A, Badalamenti A, Dickinson SP, Guo X, Rotter JI, Johnson WC, Im HK, Liu Y, Wheeler HE. Genetic architecture of gene expression traits across diverse populations. *PLoS Genet*. 2018;14(8):e1007586. doi: 10.1371/journal.pgen.1007586.](https://www.ncbi.nlm.nih.gov/pubmed/30096133)
77. [Mohebi R, Wang D, Lau ES, Parekh JK, Allen N, Psaty BM, Benjamin EJ, Levy D, Wang TJ, Shah SJ, Gottdiener JS, Januzzi Jr JL, Ho JE. Effect of 2022 ACC/AHA/HFSA Criteria on Stages of Heart Failure in a Pooled Community Cohort. *J Am Coll Cardiol*. 2023;81)23):2231-2242.](https://pubmed.ncbi.nlm.nih.gov/37286252/)
78. [Mok Y, Dardari Z, Sang Y, Hu X, Bancks MP, Mathews L, Hoogeveen RC, Koton S, Blaha MJ, Post WS, Ballantyne CM, Coresh J, Rosamond W, Matsushita K. Universal Risk Prediction for Individuals With and Without Atherosclerotic Cardiovascular Disease. *J Am Coll Cardiol*. 2024;6;83(5):562-573.](https://pubmed.ncbi.nlm.nih.gov/38296400/)
79. [Mongraw-Chaffin ML, Allison MA, Burke GL, Criqui MH, Matsushita K, Ouyang P, Shah RV, Shay CM, Anderson CAM. CT-Derived Body Fat Distribution and Incident Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2017;102(11):4173-4183.](https://www.ncbi.nlm.nih.gov/pubmed/28938406)
80. [Mongraw-Chaffin ML, Anderson CA, Allison MA, Ouyang P, Szklo M, Vaidya D, Woodward M, Golden SH. Association between sex hormones and adiposity: qualitative differences in women and men in the multi-ethnic study of atherosclerosis. *J Clin Endocrinol Metab*. 2015;200(4):E596-600.](http://www.ncbi.nlm.nih.gov/pubmed/25636047)
81. [Mongraw-Chaffin M, Bertoni AG, Golden SH, Mathioudakis N, Sears DD, Szklo M, Anderson CAM. Association of Low Fasting Glucose and Low HbAlc With Cardiovascular Disease and Mortality: The MESA Study. *J Endocr Soc*. 2019;3(5):892-901. doi: 10.1210/js.2019-00033. eCollection 2019 May 1.](https://www.ncbi.nlm.nih.gov/pubmed/31020054)
82. [Mongraw-Chaffin M, Foster MC, Anderson CAM, Burke GL, Haq N, Kalyani RR, Ouyang P, Sibley CT, Tracy R, Woodward M, Vaidya D. Metabolically Healthy Obesity, Transition to Metabolic Syndrome, and Cardiovascular Risk. *J Am Coll Cardiol*. 2018;71(17):1857-1865.](https://www.ncbi.nlm.nih.gov/pubmed/29699611)
83. [Mongraw-Chaffin M, Foster MC, Kalyani RR, Vaidya D, Burke GL, Woodward M, Anderson CA. Obesity Severity and Duration Are Associated With Incident Metabolic Syndrome: Evidence Against Metabolically Healthy Obesity From the Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2016;101(11):4117-4124.](https://www.ncbi.nlm.nih.gov/pubmed/27552544)
84. [Mongraw-Chaffin ML, Golden SH, Allison MA, Ding J, Ouyang P, Schreiner PJ, Woodward M, Young JH, Anderson CA. The Sex and Race Specific Relationship between Anthropometry and Body Fat Composition Determined from Computed Tomography: Evidence from the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2015:10(10):e0139559. doi: 10.1371/journal.pone.0139559. e Collection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/26448048)
85. [Monlong J, Siren J, Chang X, Novak AM, Eizenga JM, Markello C, Sibbesen JA, Hickey G, Chang PC, Carroll A, Gupta N, Gabriel S, Blackwell TW, Ratan A, Taylor KD, Rich SS, Rotter JI, Haussler D, Garrison E, Paten B. Pangenomics enables genotying of known structural variants in 5202 diverse genomes. *Science*. 2021;374(6574):abg8871. doi: 10.1126/science.abg8871.](https://pubmed.ncbi.nlm.nih.gov/34914532/)
86. [Moore K, Diez Roux AV, Auchincloss A, Evenson KR, Kaufman J, Mujahid M, Williams K. Home and work neighbourhood environments in relation to body mass index: the Multi-Ethnic Study of Atherosclerosis (MESA). *J Epidemiol Community Health*. 2013;67(10):846-853.](http://www.ncbi.nlm.nih.gov/pubmed/23868527)
87. [Moore KA, Hirsch JA, August C, Mair C, Sanchez BN, Diez Roux AV. Neighborhood Social Resources and Depressive Symptoms: Longitudinal Results from the Multi-Ethnic Study of Atherosclerosis. *J Urban* *Health*. 2016;93(3):572-588.](http://www.ncbi.nlm.nih.gov/pubmed/27106865)
88. [Moore LV, Diez Roux AV, Nettleton JA, Jacobs DR Jr. Associations of the Local Food Environment with Diet Quality—A Comparison of Assessments based on Surveys and Geographic Information Systems: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2008;167(8):917-924.](http://www.ncbi.nlm.nih.gov/pubmed/18304960?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
89. [Moore LV, Diez Roux AV, Nettleton JA, Jacobs DR, Franco M. Fast-Food Consumption, Diet Quality, and Neighborhood Exposure to Fast Food: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2009;170(1):29-36.](http://www.ncbi.nlm.nih.gov/pubmed/19429879?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
90. [Mora S, Szklo M, Otvos JD, Greenland P, Psaty BM, Goff DC, O’Leary DH, Saad MF, Tsai MY, Sharrett AR. LDL particle subclasses, LDL particle size, and carotid atherosclerosis in the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis.* 2007;192(1):211-217.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16765964&ordinalpos=14&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
91. [Moran A, Diez Roux AV, Jackson SA, Kramer H, Manolio TA, Shrager S, Shea S. Acculturation is associated with hypertension in a multiethnic sample. *Am J Hypertens.* 2007;20(4):354-363.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17386340&query_hl=25&itool=pubmed_docsum)
92. [Moran A, Katz R, Jenny NS, Astor B, Bluemke DA, Lima JA, Siscovick D, Bertoni AG, Shlipak MG. Left Ventricular Hypertrophy in Mild and Moderate Reduction in Kidney Function Determined Using Cardiac Magnetic Resonance Imaging and Cystatin C: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2008;52(5):839-848.](http://www.ncbi.nlm.nih.gov/pubmed/18845370?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
93. [Morrill VN, Halford JL, Choi SH, Jurgens SJ, Melloni G, Marston NA, Weng LC, Nauffal V, Hall AW, Gunn S, Austin-Tse CA, Pirruccello JP, Khurshid S, Rehm H, Benjamin EJ, Boerwinkle E, Brody JA, Correa A, Fornwalt BK, Gupta N, Haggerty CM, Harris S, Heckbert SR, Hong CC, Kooperberg C, Lin HJ, Loos RJF, Mitchell BD, Morrison AC, Post W, Psaty BM, Redline S, Rice KM, Rich SS, Rotter JI, Schnatz PF, Soliman EZ, Sotoodehnia N, Wong EK; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Sabatine MS, Ruff CT, Lynetta KL, Ellinor PT, Lubitz SA. Endophenotype effect sizes support variant pathogenicity in monogenic disease susceptibility genes. *Nat Commun*. 2022;13(1):5106. doi: 10.1038/s41467-022-32009-5.](https://pubmed.ncbi.nlm.nih.gov/36042188/)
94. [Morrill VN, Nauffal V, Jurgens SJ, Choi SH, Hall AW, Weng LC, Halford JL, Austin-Tse C, Haggerty CM, Harris SL, Wong EK, Alonso A, Arking DE, Benjamin EJ, Boerwinkle E, Min YI, Correa A, Fornwalt BK, Heckbert SR; National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium; Kooperberg C, Lin HJ, Loos RJF, Rice KM, Gupta N, Blackwell TW, Mitchell BD, Morrison AC, Psaty BM, Post WS, Redline S, Rehm HL, Rich SS, Rotter RI, Soliman EZ, Sotoodehnia N, Lunetta KL, Ellinor PT, Lubitz SA; TOPMed Investigators. Monogenic and Polygenic Contributions to QTc Prolongation in the Population. *Circulation*. 2022;145(20):1524-1533.](https://pubmed.ncbi.nlm.nih.gov/35389749/)
95. [Mortensen MB, Dzaye O, Botker HE, Jensen JM, Maeng M, Bentzon JF, Kanstrup H, Sorensen HT, Leipsic J, Blankstein R, Nasir K, Blaha MJ, Norgaard BL. Low-Density Lipoprotein Cholesterol Is Predominantly Associated With Atherosclerotic Cardiovascular Disease Events in Patients With Evidence of Coronary Atherosclerosis: The Western Denmark Heart Registry. *Circulation*. 2023;147(14):1053-1063.](https://pubmed.ncbi.nlm.nih.gov/36621817/)
96. [Mortensen MB, Falk E, Li D, Nasir K, Blaha MJ, Sandfort V, Rodriguez CJ, Ouyang P, Budoff M. Statin Trials, Cardiovascular Events, and Coronary Artery Calcification: Implications for a Trial-Based Approach to Statin Therapy in MESA. *JACC Cardiovasc Imaging*. 2018;11(2 Pt 1):221-230.](https://www.ncbi.nlm.nih.gov/pubmed/28624395)
97. [Morze J, Koch M, Aroner SA, Budoff M, McClelland RL, Mukamal K, Jensen MK. Associations of HDL Subspecies Defined by ApoC3 with Non-Alcoholic Fatty Liver Disease: The Multi-Ethnic Study of Atherosclerosis. *J Clin Med*. 2020;9(11):E3522. doi: 10.3390/jcm9113522.](https://pubmed.ncbi.nlm.nih.gov/33142714/)
98. [Mosley JD, Gupta DK, Tan J, Yao J, Wells QS, Shaffer CM, Kundu S, Robinson-Cohen C, Psaty BM, Rich SS, Post WS, Guo X, Rotter JI, Roden DM, Gerszten RE, Wang TJ. Predictive Accuracy of a Polygenic Risk Score Compared With a Clinical Risk Score for Incident Coronary Heart Disease. *JAMA*. 2020;323(7):627-635.](https://www.ncbi.nlm.nih.gov/pubmed/32068817)
99. [Mozaffarian D, Dashti HS, Wojczynski MK, Chu AY, Nettleton JA, Mannisto S, Kristiansson K, Reedik M, Lahti J, Houston DK, Cornelis MC, van Rooij FJA, Dimitriou M, Kanoni S, Mikkila V, Steffen LM, de Oliveira Otto MC, Qi L, Psaty B, Djousse L, Rotter JI, Harald K, Perola M, Rissanen H, Jula A, Krista F, Mihailov E, Feitosa MF, Ngwa JS, Xue L, Jacques PF, Perala MM, Palotie A, Liu Y, Nalls NA, Ferrucci L, Hernandez D, Manichaikul A, Tsai MY, Kiefte-de Jong JC, Hofman A, Uitterlinden AG, Rallidis L, Ridker PM, Rose LM, Buring JE, Lehtimaki T, Kahonen M, Vikari J, Lemaitre R, Salomaa V, Knekt P, Metspalu A, Borecki IB, Cupples LA, Eriksson JG, Kritchevsky SB, Bandinelli S, Siscovick D, Franco OH, Deloukas P, Dedoussis G, Chasman Di, Raitakari O, Tanaka T. Genome-wide association meta-analysis of fish and EPY+DHA consumption in 17 US and European cohorts. *PLoS One*. 2017;12(12):e0186456. doi: 10.1371/journal.pone.0186456. eCollection 2017.](https://www.ncbi.nlm.nih.gov/pubmed/29236708)
100. [Mozaffarian D, de Oliveira Otto MC, Lemaitre RN, Fretts AM, Hotamisligil G, Tsai MY, Siscovick DS, Nettleton JA. trans-Palmitoleic acid, other dairy fat biomarkers, and incident diabetes: the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr*. 2013;97(4):854-861.](http://www.ncbi.nlm.nih.gov/pubmed/23407305)
101. [Mozaffarian D, Kabagambe EK, Johnson CO, Lemaitre RN, Manichaikul A, Sun Q, Foy M, Wang L, Wiener H, Irvin MR, Rich SS, Wu H, Jensen MK, Chasman DI, Chu AY, Fornage M, Steffen L, King IB, McKnight B, Psaty BM, Djousse L, Chen IY, Wu JH, Siscovick DS, Ridker PM, Tsai MY, Rimm EB, Hu FB, Arnett DK. Genetic loci associated with circulating phospholipid trans fatty acids: a meta-analysis of genome-wide association studies from the CHARGE Consortium. *Am J Clin Nutr*. 2015;101(2):398-406.](https://www.ncbi.nlm.nih.gov/pubmed/25646338)
102. [Mujahid MS, Diez Roux AV, Cooper RC, Shea S, Williams DR. Neighborhood stressors and race/ethnic differences in hypertension prevalence (the multi-ethnic study of atherosclerosis). *Am J Hypertens*. 2011;24(2):187-193.](http://www.ncbi.nlm.nih.gov/pubmed/20847728)

1. [Mujahid MS, Diez Roux AV, Morenoff JD, Raghunathan TE, Cooper RS, Ni H, Shea S. Neighborhood characteristics and hypertension.](http://www.ncbi.nlm.nih.gov/pubmed/18480733?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Epidemiology](http://www.ncbi.nlm.nih.gov/pubmed/18480733?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[. 2008;19(4):590-598.](http://www.ncbi.nlm.nih.gov/pubmed/18480733?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
2. [Mujahid MS, Gao X, Tabb LP, Morris C, Lewis TT. Historical redlining and cardiovascular health: The Multi-Ethnic Study of Atherosclerosis. *Proc Natl Acad Sci USA*. 2021;118(51):e2110986118. doi: 10.1073/pnas.2110986118.](https://pubmed.ncbi.nlm.nih.gov/34903653/)
3. [Mujahid MS, Moore LV, Petito LC, Kershaw KN, Watson W, Diez Roux AV. Neighborhoods and racial/ethnic differences in ideal cardiovascular health (the Multi-Ethnic Study of Atherosclerosis). *Health Place*. 2017;44:61-69](https://www.ncbi.nlm.nih.gov/pubmed/28167269)
4. [Mujahid MS, Roux AV, Shen M, Gowda D, Sanchez B, Shea S, Jacobs DR Jr, Jackson SA. Relation between Neighborhood Environments and Obesity in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2008;167(11):1349-1357.](http://www.ncbi.nlm.nih.gov/pubmed/18367469?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
5. [Mukamal KJ, Kizer JR, Djoussé L, Ix JH, Zieman S, Siscovick DS, Sibley CT, Tracy P, Arnold AM. Prediction and classification of cardiovascular disease risk in diabetic older adults with diabetes. *Diabetologia*. 2013;56(2):275-283.](http://www.ncbi.nlm.nih.gov/pubmed/23143166)
6. [Mukherjee M, Ogunmoroti O, Jani V, Kapoor K, Beussink-Nelson L, Freed BH, Hays AG, Shah SJ, Michos ED. Characteristics of Right Ventricular to Pulmonary Arterial Coupling and Association With Functional Status Among Older Aged Adults from the Multi-Ethnic Study of Atherosclerosis. *Am J Cardiol*. 2023;196:41-51.](https://pubmed.ncbi.nlm.nih.gov/37068356/)
7. [Muntner P, Woodward M, Mann DM, Shimbo D, Michos ED, Blumenthal RS, Carson AP, Chen H, Arnett DK. Comparison of the Framingham Heart Study hypertension model with blood pressure alone in the prediction of risk hypertension: the Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2010;55(6):1339-1345.](http://www.ncbi.nlm.nih.gov/pubmed/?term=PMCID+PMC3023992)
8. [Murray ET, Diez Roux AV, Carnethon M, Lutsey PL, Ni H, O’Meara ES. Trajectories of Neighborhood Poverty and Associations With Subclinical Atherosclerosis and Associated Risk Factors: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010;171(10):1099-1108](http://www.ncbi.nlm.nih.gov/pubmed/20423931).
9. [Muse ED, Feldman DI, Blaha MJ, Dardari ZA, Blumenthal RS, Budoff MJ, Nasir K, Criqui MH, Cushman M, McClelland RL, Allison MA. The association of resistin with cardiovascular disease in the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2015;239(1):101-108.](http://www.ncbi.nlm.nih.gov/pubmed/25585029)
10. [Mychaleckyj JC, Breeze CE, Batorsky A, Lee MK, Szeto MD, Xu X, McCartney DL, Jiang R, Patki A, Kramer HJ, Eales JM, Raffield L, Lange L, Lange E, Durda P, Liu Y, Tracy RP, Van Den Berg D, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed MESA Multi-Omics Working Group; Evans KL, Kraus WE, Shah S, Tiwari HK, Hou L, Whitsel EA, Jiang X, Charchar FJ, Baccarelli AA, Rich SS, Morris AP, Irvin MR, Arnett DK, Hauser ER, Rotter JI, Correa A, Hayward C, Horvath S, Marioni RE, Tomaszewski M, Beck S, Berndt SI, London SJ, Franceschini N. Epigenome-wide association study of kidney function identifies trans-ethnic and ethnic-specific loci. *Genome Med*. 2021;13(1):74. doi:10.1186/s13073-021-00877-z.](https://pubmed.ncbi.nlm.nih.gov/33931109/)
11. [Mychaleckyj JC, Huang J, Sabater-Lleal M, Asselbergs FW, Tregouet D, Shin SY, Ding J, Baumert J, Oudot-Mellakh T, Folkersen L, Johnson AD, Smith NL, Williams SM, Ikram MA, Kleber ME, Becker DM, Truong V, Tang W, Yang Q, Sennblad B, Moore JH, Williams FM, Dehghan A, Silbernagel G, Schrijvers EM, Smith S, Karakas M, Tofler GH, Silveira A, Navis GJ, Lohman K, Chen MH, Peters A, Goel A, Hopewell JC, Chambers JC, Saleheen D, Lundmark P, Psaty BM, Strawbridge RJ, Boehm BO, Carter AM, Meisinger C, Peden JF, Bis JC, McKnight B, Öhrvik J, Taylor K, Franzosi MG, Seedorf U, Collins R, Franco-Cereceda A, Syvänen AC, Goodall AH, Yanek LR, Cushman M, Müller-Nurasyid M, Folsom AR, Basu S, Matijevic N, van Gilst WH, Kooner JS, Hofman A, Danesh J, Clarke R, Meigs JB; DIAGRAM Consortium, Kathiresan S, Reilly MP; CARDIoGRAM Consortium, Klopp N, Harris TB, Winkelmann BR, Grant PJ, Hillege HL, Watkins H; C4D Consortium, Spector TD, Becker LC, Tracy RP, März W, Uitterlinden AG, Eriksson P, Cambien F; CARDIOGENICS Consortium, Morange PE, Koenig W, Soranzo N, van der Harst P, Liu Y, O'Donnell CJ, Hamsten A. Genome-wide association study for circulating levels of PAI-1 provides novel insights into its regulation. *Blood*. 2012;120(24):4873-4881.](http://www.ncbi.nlm.nih.gov/pubmed/22990020)
12. [Mychaleckyj JC, Morris AP, Le TH, Wu H, Akbarov A, van der Most PJ, Hemani G, Smith GD, Mahajan A, Gaulton KJ, Nadkarni GN, Valladares-Salgado A, Wacher-Rodarte N, Dueker ND, Guo X, Hai Y, Haessler J, Kamatani Y, Stilp AM, Zhu G, Cook JP, Arnlov J, Blanton SH, de Borst MH, Bottinger EP, Buchanan TA, Cechova S, Charchar FJ, Chu PL, Damman J, Eales J, Gharavi AG, Giedraitis V, Heath AC, Ipp E, Kiryluk K, Kramer HJ, Kubo M, Larsson A, Lindgren CM, Lu Y, Madden PAF, Montgomery GW, Papanicolaou GJ, Raffel LJ, Sacco RL, Sanchez E, Stark H, Sundstrom J, Taylor KD, Xiang AH, Zivkovic A, Lind L, Ingelsson E, Martin NG, Whitfield JB, Cai J, Laurie CC, Okada Y, Matsuda K, Kooperberg C, Chen YI, Rundek T, Rich SS, Loos RJF, Parra EJ, Cruz M, Rotter JI, Snieder H, Tomaszewski M, Humphreys BD, Franceschini N. Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies. *Nat Commun*. 2019;10(1):29. doi: 10.1038/s41467-018-07867-7.](https://www.ncbi.nlm.nih.gov/pubmed/30604766)

1. [Nacif MS, Almeida ALC, Young AA, Cowan BR, Armstrong AC, Yang E, Sibley CT, Hundley WG, Liu S, Lima JA, Bluemke DA. Three-Dimensional Volumetric Assessment of Diastolic Function by Cardiac Magnetic Resonance Imaging: The Multi-Ethnic Study of Atherosclerosis (MESA). *Arq Bras Cardiol*. 2017;108(6):552-563.](https://www.ncbi.nlm.nih.gov/pubmed/28562831)
2. [Nagayoshi M, Lutsey PL, Benkeser D, Wassel CL, Folsom AR, Shahar E, Iso H, Allison MA, Criqui MH, Redline S. Association of sleep apnea and sleep duration with peripheral artery disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2016;251:467-475.](http://www.ncbi.nlm.nih.gov/pubmed/27423537)
3. [Naik RP, Derebail VK, Grams ME, Franceschini H, Auer PL, Peloso GM, Young BA, Lettre G, Peralta CA, Katz R, Hyacinth HI, Quarells RC, Grove ML, Bick AG, Fontanillas P, Rich SS, Smith JD, Boerwinkle E, Rosamond WD, Ito K, Lanzkron S, Coresh J, Correa A, Sarto GE, Key NS, Jacobs DR, Kathiresan S, Bibbins-Domingo K, Kshirsagar AV, Wilson JG, Reiner AP. Association of Sickle Cell trait With Chronic Kidney Disease and Albuminuria in African Americans. *JAMA*. 2014;312(20):2115-2125. doi: 10.1001/jama.2014. 15063.](http://www.ncbi.nlm.nih.gov/pubmed/25393378)
4. [Naimark DM, Grams ME, Matsushita K, Black C, Drion I, Fox CS, Inker LA, Ishani A, Jee SH, Kitamura A, Lea JP, Nally J, Peralta CA, Rothenbacher D, Ryu S, Tonelli M, Yatsuya H, Coresh J, Gansevoort RT, Warnock DG, Woodward M, de Jong PE;CKD Prognosis Consortium. Past Decline Versus Current eGFR and Subsequent Mortality Risk. *J Am Soc Nephrol*. 2016;27(8):2456-2466.](http://www.ncbi.nlm.nih.gov/pubmed/26657865)
5. [Nair N, Vittinghoff E, Pletcher MJ, Oelsner EC, Allen NB, Ndumele CE, West NA, Strotmeyer ES, Mukamal KJ, Siscovick DS, Biggs ML, Laferrere B, Moran AD, Zhang Y. Associations of Body Mass Index and Waist Circumference in Young Adulthood with Later Life Incident Diabetes. *J Clin Endocrinol Metab*. 2021;106(12):e5011-e5020. doi: 10.1210/clinem/dgab551.](https://pubmed.ncbi.nlm.nih.gov/34302728/)
6. [Naj AC, West M, Rich SS, Post W, Kao WH, Wasserman BA, Herrington DM, Rodriguez A. Association of scavenger receptor class B type I polymorphisms with subclinical atherosclerosis: the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Genet*. 2010;3(1):47-52.](http://www.ncbi.nlm.nih.gov/pubmed/20160195)
7. [Nance R, Delaney J, McEvoy JW, Blaha MJ, Burke GL, Navas-Acien A, Kaufman JD, Oelsner EC, McClelland RL. Smoking intensity (pack/day) is a better measure than pack-years or smoking status for modeling cardiovascular disease outcomes. *J Clin Epidemiol*. 2017;81:111-119.](https://www.ncbi.nlm.nih.gov/pubmed/27769836)
8. [Nance RM, Fohner AE, McClelland RL, Redline S, Bryan RN, Desiderio L, Habes M, Longstreth Jr WT, Schwab R, Wiemken AS, Heckbert SR. The Association of Upper Airway Anatomy with Brain Structure: The Multi-Ethnic Study of Atherosclerosis. *Brain Imaging Behav*. 2024 Jan 9. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38194040/)
9. [Nance RM, Fohner AE, McClelland RL, Redline S, Bryan RN, Fitzpatrick A, Habes M, Longstreth Jr WT, Schwab RJ, Wiemken AS, Heckbert SR. The association of upper airway anatomy with cognitive test performance: the Multi-Ethnic Study of Atherosclerosis. *BMC Neurol*. 2023;23(1):394. doi: 10.1186/s12883-023-03443-9.](https://pubmed.ncbi.nlm.nih.gov/37907860/)
10. [Nasir K, Bittencourt MS, Blaha MJ, Blankstein R. Agatson AS, Rivera JJ, Miemdema MD, Sibley CT, Shaw LJ, Blumenthal RS, Budoff MJ, Krumholz HM. Implications of Coronary Artery Calcium Testing Among Statin Candidates According to American College of Cardiology/American Heart Association Cholesterol Management Guidelines: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2015;66(15):1657-1668.](http://www.ncbi.nlm.nih.gov/pubmed/26449135)
11. [Nasir K, Budoff MJ, Wong ND, Scheuner M, Herrington D, Arnett DK, Szklo M, Greenland P, Blumenthal RS. Family history of premature coronary heart disease and coronary artery calcification. Multi-Ethnic Study of Atherosclerosis (MESA).](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17646582&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) *[Circulation](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17646582&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)*[. 2007;116(6):619-626.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17646582&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
12. [Nasir K, Katz R, Al-Mallah M, Takasu J, Shavelle DM, Carr JJ, Kronmal R, Blumenthal RS, O’Brien K, Budoff MJ. Relationship of aortic valve calcification with coronary artery calcium severity: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Cardiovasc Comput Tomogr*. 2010;4(1):41-46.](http://www.ncbi.nlm.nih.gov/pubmed/20159627?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
13. [Nasir K, Katz R, Mao S, Takasu J, Bomma C, Lima JA, Bluemke DA, Kronmal R, Carr JJ, Budoff MJ. Comparison of left ventricular size by computed tomography with magnetic resonance imaging measures of left ventricle mass and volumes: The multi-ethnic study of atherosclerosis. *J Cardiovasc Comput Tomogr*. 2008;2(3):141-148.](http://www.ncbi.nlm.nih.gov/pubmed/19083938?ordinalpos=7&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
14. [Nasir K, Katz R, Takasu J, Shavelle DM, Detrano R, Lima JA, Blumenthal RS, O’Brien K, Budoff MJ. Ethnic differences between extra-coronary measures on cardiac computed tomography: Multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2008;198(1):104-114.](http://www.ncbi.nlm.nih.gov/pubmed/17950742?ordinalpos=113&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
15. [Nasir K, McClelland RL, Blumenthal RS, Goff DC Jr, Hoffmann U, Psaty BM, Greenland P, Kronmal RA, Budoff MJ. Coronary Artery Calcium in Relation to Initiation and Continuation of Cardiovascular Preventive Medications: The Multi-Ethnic Study of Atherosclerosis (MESA). *Circ Cardiovasc Qual Outcomes*. 2010;3(3):228-235.](http://www.ncbi.nlm.nih.gov/pubmed/20371760)
16. [Nasir K, Rosen BD, Kramer HJ, Edvardsen T, Bluemke DA, Liu K, Lima JA. Regional left ventricular function in individuals with mild to moderate renal insufficiency: the Multi-Ethnic Study of Atherosclerosis. *Am Heart J.* 2007;153(4):545-551.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17383292&query_hl=1&itool=pubmed_docsum)
17. [Nasir K, Tsai M, Rosen BD, Fernandes V, Bluemke DA, Folsom AR, Lima JA. Elevated Homocysteine Is Associated With Reduced Regional Left Ventricular Function. The Multi-Ethnic Study of Atherosclerosis. *Circulation.* 2007;115(2):180-187.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17200444&query_hl=4&itool=pubmed_docsum)
18. [Natarajan P, Pampana A, Graham SE, Ruotsalainen SE, Perry JA, de Vries PS, Broome JG, Pirruccello JP, Honiberg MC, Aragam K, Wolford B, Brody JA, Antonacci-Fulton L, Arden M, Aslibekyan S, Assimes TL, Ballantyne CM, Bielak LF, Bis JC, Cade BE, Do R, Doddapaneni H, Emery LS, Hung YJ, Irvin MR, Khan AT, Lange L, Lee L, Lemaitre RN, Martin LW, Metcalf G, Montasser ME, Moon JY, Muzny D, O’Connell JR, Palmer ND, Peralta JM, Peyser PA, Stilp AM, Tsai M, Wang FF, Weeks DE, Yanek LR, Wilson JG, Abecasis G, Arnett DK, Becker LC, Blangero J, Boerwinkle E, Bowden DW, Chang YC, Chen YDI, Choi WJ, Correa A, Curran JE, Daly MJ, Dutcher SK, Ellinor PT, Fornage M, Freedman BI, Gabriel S, Germer S, Gibbs RA, He J, Hveem K, Jarvik GP, Kaplan RC, Kardia SLR, Kenny E, Kim RW, Kooperberg C, Laurie CC, Lee S, Lloyd-Jones DM, Loos RJF, Lubitz SA, Mathias RA, Viaud Martinez KA, McGarvey ST, Mitchell BD, Nickerson DA, North KE, Palotie A, Park CJ, Psaty BM, Rao DC, Redline S, Reiner AP, Seo D, Seo JS, Smith AV, Tracy RP, Vasan RS, Kathiresan S, Cupples LA, Rotter JI, Morrison AC, Rich SS, Ripatti S, Willer C, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; FinnGen; Peloso GM. Chromosome Xq23 is associated wth lower atherogenic lipid concertrations and favorable cardiometabolic indices. *Nat Commun*. 2021;12(1):2182. doi: 10.1038/s41467-021-22339-1.](https://pubmed.ncbi.nlm.nih.gov/33846329/)

1. [Natarajan P, Zekavat SM, Ruotsalainen S, Handsaker RE, Alver M, Bloom J, Poterba T, Seed C, Ernst J, Chaffin M, Engreitz J, Peloso GM, Manichaikul A, Yang C, Ryan KA, Fu M, Johnson WC, Tsai M, Budoff M, Ramachandran VS, Cupples LA, Rotter JI, Rich SS, Post W, Mitchell BD, Correa A, Metspalu A, Wilson JG, Salomaa V, Kellis M, Daly MJ, Neale BM, McCarroll S, Surakka I, Esko T, Ganna A, Ripatti S, Kathiresan S, NHLBI TOPMed Lipids Working Group. Deep coverage whole genome sequences and plasma lipoprotein(a) in individuals of European and African ancestries. *Nat Commun*. 2018;9(1):2606. doi: 10.1038/s41467-018-04668-w.](https://www.ncbi.nlm.nih.gov/pubmed/29973585)
2. [Natori S, Lai S, Finn P, Gomes AS, Hundley WG, Jerosch-Herold M, Pearson G, Sinha S, Arai A, Lima JA, Bluemke DA. Cardiovascular function in multi-ethnic study of atherosclerosis: normal values by age, sex, and ethnicity. *Am J* *Roentgenol.* 2006;186(6 Suppl 2):S357-365.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16714609&query_hl=1&itool=pubmed_docsum)
3. [Nauffal V, Marques MD, Ambale-Venkatesh B, Vasconcellos HD, Wu C, Bahrami H, Tracy PP, Cushman M, Bluemke DA, Lima JAC. Association Between Inflammatory Markers and Myocardial Fibrosis. *Hypertension*. 2018;72(4):902-908.](https://www.ncbi.nlm.nih.gov/pubmed/30354713)
4. [Nazmi A, Diez Roux AV, Jenny NS, Tsai MY, Szklo M, Aiello AE. The influence of persistent pathogens on circulating levels of inflammatory markers: a cross-sectional analysis from the Multi-Ethnic Study of Atherosclerosis. *BMC Public Health*. 2010;10:706.](http://www.ncbi.nlm.nih.gov/pubmed/21083905)
5. [Nazmi A, Diez Roux A, Ranjit N, Seeman TE, Jenny NS. Cross-sectional and longitudinal associations of neighborhood characteristics with inflammatory markers: Findings from the multi-ethnic study of atherosclerosis. *Heart Place*. 2010;16(6):1104-1112.](http://www.ncbi.nlm.nih.gov/pubmed/20667763)
6. [Nazzal C, Shea S, Castro-Diehl C, Alfaro T, Frenz P, Rodriguez CJ. Educational Inequalities in Cardiovascular Risk Factor and Blood Pressure Control in the Elderly: Comparison of MESA Cohort and Chilean NHS Survey Outcomes Measures. *Glob Heart*. 2018;13(1):19-26.](https://pubmed.ncbi.nlm.nih.gov/29146490/)
7. [Nechyporenko A, Tedla YG, Korcarz C, Tattersall MC, Greenland P, Gepner AD. Association of statin therapy with progression of carotid arterial stiffness: the Multi-Ethnic Study of Atherosclerosis (MESA). *Hypertens Res*. 2023;46(3):679-687.](https://pubmed.ncbi.nlm.nih.gov/36434289/)

1. [Needham BL, Carroll JE, Diez Roux AV, Fitzpatrick AL, Moore K, Seeman TE. Neighborhood characteristics and leukocyte telomere length: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2014;28:167-172.](http://www.ncbi.nlm.nih.gov/pubmed/24859373)
2. [Needham BL, Diez Roux AV, Bird CE, Bradley R, Fitzpatrick AL, Jacobs DR, Ouyang P, Seeman TE, Thurston RD, Vaidya D, Wang S. A test of biological and behavioral explanations for gender differences in telomere length: the multi-ethnic study of atherosclerosis. *Biodemography Soc Biol*. 2014;60(2):156-173.](http://www.ncbi.nlm.nih.gov/pubmed/25343364)
3. [Needham BL, Smith JA, Zhao W, Wang X, Mukherjee B, Kardia SL, Shively CA, Seeman TE, Liu Y, Diez Roux AV. Life course socioeconomic status and DNA methylation in genes related to stress reactivity and inflammation: The multi-ethnic study of atherosclerosis. *Epigenetics*. 2015;10(10):958-969.](http://www.ncbi.nlm.nih.gov/pubmed/26295359)
4. [Needham BL, Smith JA, Zhao W, Wang X, Ratliff SM, Mukherjee B, Kardia SLR, Liu Y, Roux AVD. Neighborhood characteristics influence DNA methylation of genes involved in stress response and inflammation: The Multi-Ethnic Study of Atherosclerosis. *Epigenetics*. 2017;12(8):662-673.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Neighborhood+characteristics+influence+DNA+methylation+of+genes+involved+in+stress+response)
5. [Needham BL, Wang X, Carroll JE, Barber S, Sanchez BN, Seeman TE, Diez Roux AV. Sociodemographic correlates of change in leukocyte telomere length during mid- to late-life: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2019;102:182-188.](https://www.ncbi.nlm.nih.gov/pubmed/30576944)
6. [Neeland IJ, Boone SC, Mook-Kanamori DO, Ayers C, Smith RAJ, Tzoulaki I, Karaman I, Boulange C, Vaidya D, Punjabi N, Allison M, Herrington DM, Jukema W, Rosendaal FR, Lamb HJ, van Dijk KW, Greenland P, de Mutsert R. Metabolomics Profiling of Visceral Adipose Tissue: Results from MESA and the NEO Study. *J Am Heart Assoc*. 2019;8(9):e010810. doi: 10.1161/JAHA.118.010810.](https://www.ncbi.nlm.nih.gov/pubmed/31017036)
7. [Nelson JC, Kronmal RA, Carr JJ, Nitt-Gray MF, Wong ND, Loria CM, Goldin JG, Williams OD, Detrano R. Measuring coronary calcium on CT images adjusted for attenuation differences. *Radiology*. 2005;235(2):403-414.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15858082)
8. [Nelson JC, Jiang XC, Tabas I, Tall A, Shea S. Plasma sphingomyelin and subclinical atherosclerosis: findings from the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2006;163(10):903-912.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16611667)
9. [Nelson RG, Grams ME, Ballew SH, Sang Y, Azizi F, Chadban SJ, Chaker L, Dunning SC, Fox C, Hirakawa Y, Iseki K, Ix J, Jafar TH, Kottgen A, Naimark DMJ, Ohkubo T, Prescott GJ, Rebholz CM, Sabanayagam C, Sairenchi T, Schottker B, Shibagaki Y, Tonelli M, Zhang L, Gansevoort RT, Matsushita K, Woodward M, Coresh J, Shalev V, CKD Prognosis Consortium. Development of Risk Prediction Equations for Incident Chronic Disease. *JAMA*. 2019;3:322(21):2104-2114.](https://pubmed.ncbi.nlm.nih.gov/31703124/)
10. [Nethery RC, Warren JL, Herring AH, Moore KA, Evenson KR, Diez-Roux AV. A common spatial factor analysis model for measured neighborhood-level characteristics: The Multi-Ethnic Study of Atherosclerosis. *Health Place*. 2015;36:35-46.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Nethery+RC)
11. [Nettleton JA, Diez-Roux A, Jenny NS, Fitzpatrick AL, Jacobs DR Jr. Dietary patterns, food groups, and telomere length in The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr*. 2008;88(5):1405-1412.](http://www.ncbi.nlm.nih.gov/pubmed/18996878?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
12. [Nettleton JA, Follis JL, Ngwa JS, Smith CE, Ahmad S, Tanaka T, Wojczynski MK, Voortman T, Lemaitre RN, Kristiansson K, Nuotio ML, Houston KD, Perala MM, Qi Q, Sonestedt E, Manichaikul A, Kanoni S, Ganna A, Mikkila V, North KE, Siscovick DS, Harald K, Mckeown NM, Johansson I, Rissanen H, Liu Y, Lahti J, Hu FB, Bandinelli S, Rukh G, Rich S, Booij L, Dmitriou M, Ax E, Raitakari O, Mukamal K, Mannisto S, Hallmans G, Jula A, Ericson U, Jacobs DR Jr, Van Rooij FJ, Deloukas P, Sjogren P, Kahonen M, Djousse L, Perola M, Barroso I, Hofman A, Stirrups K, Viikari J, Uitterlinden AG, Kalafati IP, Franco OH, Mozaffarian D, Salomaa V, Borecki IB, Knekt P, Kritchevsky SB, Eriksson JG, Dedoussis GV, Qi L, Ferrucci L, Orho-Melander M, Zillikens MB, Ingelsson E, Lehtimaki T, Renstrom F, Cupples A, Loos RJ, Franks PW. Gene x dietary pattern interactions in obesity: analysis of up to 68 317 adults of European ancestry. *Hum Mol Genet*. 2015;24(16):4728-4738.](https://www.ncbi.nlm.nih.gov/pubmed/25994509)
13. [Nettleton JA, Gielen M, Hageman GJ, Antoniou EE, Nordfall K, Manigino MM, Balasubramanyam M, de Meyer T, Hendricks AE, Giltay EJ, Hunt SC, Salpea KD, Diaz VA, Farzaneh-Far R, Atzmon G, Harris SE, Hou L, Gilley D, Hovatta I, Kark JD, Nassar H, Kurz DJ, Mather KA, Willeit P, Zheng YL, Pavanello S, Demerath EW, Rode L, Bunout D, Steptoe A, Boardman L, Marti A, Needham B, Zheng W, Ramsey-Goldman R, Pellatt AJ, Kaprio J, Hofmann JN, Gieger C, Paolisso G, Hjelmborg JBH, Mirabello L, Seeman T, Wong J, Van der Harst P, Broer L, Kronenbert F, Kollerits B, Strandberg T, Eisenberg ETA, Duggan C, Verhoeven JE, Schaakxs R, Zannolli R, Dos Reis RMR, Charchar FJ, Tomaszewski M, Mons U, Demuth I, Molli AEI, Cheng G, Krasnienkov D, D’Antono B, Kasielski M, McDonnel BJ, Ebstine RP, Sundquist K, Pare G, Chong M, ZeegersMP; TELOMASS group. Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. *Am J Clin Nutr*. 2018;108(3):453-475.](https://www.ncbi.nlm.nih.gov/pubmed/30535086)
14. [Nettleton JA, Hivert MF, Lemaitre RN, McKeown NM, Mozaffarian D, Tanaka T, Wojczynski MK, Hruby A, Djoussé L, Ngwa JS, Follis JL, Dimitriou M, Ganna A, Houston DK, Kanoni S, Mikkilä V, Manichaikul A, Ntalla I, Renström F, Sonestedt E, van Rooij FJ, Bandinelli S, de Koning L, Ericson U, Hassanali N, Kiefte-de Jong JC, Lohman KK, Raitakari O, Papoutsakis C, Sjogren P, Stirrups K, Ax E, Deloukas P, Groves CJ, Jacques PF, Johansson I, Liu Y, McCarthy MI, North K, Viikari J, Zillikens MC, Dupuis J, Hofman A, Kolovou G, Mukamal K, Prokopenko I, Rolandsson O, Seppälä I, Cupples LA, Hu FB, Kähönen M, Uitterlinden AG, Borecki IB, Ferrucci L, Jacobs DR Jr, Kritchevsky SB, Orho-Melander M, Pankow JS, Lehtimäki T, Witteman JC, Ingelsson E, Siscovick DS, Dedoussis G, Meigs JB, Franks PW. Meta-analysis investigating associations between healthy diet and fasting glucose and insulin levels and modification by Loci associated with glucose homeostasis in data from 15 cohorts. *Am J Epidemiol*. 2013;177(2):103-115.](http://www.ncbi.nlm.nih.gov/pubmed/23255780)
15. [Nettleton JA, Lutsey PL, Wang Y, Lima JA, Michos ED, Jacobs DR Jr. Diet Soda Intake and Risk of Incident Metabolic Syndrome and Type 2 Diabetes in the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2009;32(4):688-694.](http://www.ncbi.nlm.nih.gov/pubmed/19151203?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
16. [Nettleton JA, Polak JF, Tracy R, Burke GL, Jacobs DR Jr. Dietary patterns and incident cardiovascular disease in the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2009;90(3):647-654.](http://www.ncbi.nlm.nih.gov/pubmed/19625679?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
17. [Nettleton JA, Rock CL, Wang Y, Jenny NS, Jacobs DR. Associations between dietary macronutrient intake and plasma lipids demonstrate criterion performance of the Multi-Ethnic Study of Atherosclerosis (MESA) food-frequency questionnaire. *Br J Nutr.* 2009;102(8):1220-1227.](http://www.ncbi.nlm.nih.gov/pubmed/19454126?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
18. [Nettleton JA, Schulze MB, Jiang R, Jenny NS, Burke GL, Jacobs DR Jr. A priori-defined dietary patterns and markers of cardiovascular disease risk in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr.* 2008;88(1):185-194](http://www.ncbi.nlm.nih.gov/pubmed/18614740?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
19. [Nettleton JA, Schumann G, Liu C, O’Reilly P, Gao H, Song P, Xu B, Ruggeri B, Amin N, Jia T, Preis S, Sequra Lepe M, Akira S, Barbieri C, Baumeister S, Cauchi S, Clarke TK, Enroth S, Fischer K, Hallfors J, Harris SE, Hieber S, Hofer E, Hottenga JJ, Johansson A, Joshi PK, Kaartinen N, Laitenen J, Lemaitre R, Loukola A, Luan J, Lyytikainen LP, Mangino M, Manichaikul A, Mbarek H, Milaneschi Y, Moayyeri A, Mukamal K, Nelson C, Partinen E, Rawal R, Robino A, Rose L, Sala C, Satoh T, Schmidt R, Schraut K, Scott R, Smith AV, Starr JM, Teumer A, Trompet S, Uitterlinden AG, Venturini C, Vergnaud AC, Verweij N, Vitart V, Vuckovic D, Wedenoja J, Yengo L, Yu B, Zhang W, Zhao JH, Boomsma DI, Chambers J, Chasman DI, Daniela T, de Geus E, Deary I, Eriksson JG, Esko T, Eulenburg V, Franco OH, Froguel P, Gieger C, Grabe HJ, Gudnason V, Gyllensten U, Harris TB, Hartikainen AL, Heath AC, Hocking L, Hofman A, Huth C, Jarvelin MR, Jukema JW, Kaprio J, Kooner JS, Kutalik Z, Lahti J, Langenberg C, Lehtimaki T, Liu Y, Madden PA, Martin N, Morrison A, Penninx B, Pirastu N, Psaty B, Raitakari O, Ridker P, Rose R, Rotter JI, Samani NJ, Schmidt H, Spector TD, Stott D, Strachan D, Tzoulaki I, van der Harst P, van Duijn CM, Marques-Vidal P, Vollenweider P, Wareham NJ, Whitfield JB, Wilson J, Wolffenbuttel B, Bakalkin G, Evangelou E, Liu Y, Rice KM, Desriveres S, Kliewer SA, Madgelsdorf DJ, Muller CP, Levy D, Elliott P. KLB is associated with alcohol drinking, and its gene product β-Klotho is necessary for FGF21 regulation of alcohol preference. *Proc Natl Acad Sci U S A*. 2016;113(50):14372-14377.](https://www.ncbi.nlm.nih.gov/pubmed/27911795)
20. [Nettleton JA, Steffen LM, Mayer-Davis EJ, Jenny NS, Jiang R, Herrington DM, Jacobs DR Jr. Dietary patterns are associated with biochemical markers of inflammation and endothelial activation in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clinical Nutrition.* 2006;83(6):1369-1379.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16762949&query_hl=1&itool=pubmed_docsum)
21. [Nettleton JA, Steffen LM, Ni H, Liu K, Jacobs DR Jr. Dietary Patterns and Risk of Incident Type 2 Diabetes in the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2008;31(9):1777-1782.](http://www.ncbi.nlm.nih.gov/pubmed/18544792?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
22. [Nettleton JA, Steffen LM, Palmas W, Burke GL, Jacobs DR Jr. Associations between microalbuminuria and animal foods, plant foods, and dietary patterns in the Multiethnic Study of Atherosclerosis. *Am J Clin Nutr.* 2008;87(6):1825-1836.](http://www.ncbi.nlm.nih.gov/pubmed/18541574?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
23. [Nettleton JA, Steffen LM, Schulze MB, Jenny NS, Barr RG, Bertoni AG, Jacobs DR. Associations between markers of subclinical atherosclerosis and dietary patterns derived by principal components analysis and reduced regression in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Clin Nutr.* 2007;85(6):1615-1625.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17556701&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
24. [Nettleton JA, Tanaka T, Ngwa JS, van Rooij FJ, Zillikens MC, Wojczynski MK, Frazier-Wood AC, Houston DK, Kanoni S, Lemaitre RN, Luan J, Mikkila V, Renstrom F, Sonestedt E, Zhao JH, Chu AY, Qi L, Chasman D, de Oliveira Otto MC, Dhurandhar EJ, Feitosa MF, Johansson I, Khaw KT, Lohman KK, Manichaikul A, McKweon NM, Mozaffarian D, Singleton A, Stirrups K, Viikari J, Ye Z, Bandinelli S, Barroso I, Deloukas P, Forouhi NG, Hofman A, LiuY, Lyytikanen LP, North KE, Dimitrious M, Hallmans G, Kahonen M, Langenberg C, Ordovas JM, Uitterlinden AG, Hu FB, Kalafati IP, Raitakari O, Franco OH, Johnson A, Emilsson V, Schrack JA, Semba RD, Siscovick DS, Arnett DK, Borecki IB, Franks PW, Kritchevsky SB, Lehtimaki T,. Loos RJ, Orho-Melander M, Rotter JI, Wareham NJ, Witteman JC, Ferrucci L, Dedoussis G, Cupples LA. Genome-wide meta-analysis of observational studies shows common genetic variants associated with macronutrient intake. *Am J Clin Nutr*. 2013;97(6):1395-1402.](http://www.ncbi.nlm.nih.gov/pubmed/23636237)
25. [Neuhaus J, Jacobs DR Jr, Baker JV, Calmy A, Duprez D, LaRosa A, Kuller LH, Pett SL, Ristola M, Ross MJ, Shlipak MG, Tracy R, Neaton JD. Markers of inflammation, coagulation, and renal function are elevated in adults with HIV infection. *J Infect Dis*. 2010;201(12):1788-1795.](http://www.ncbi.nlm.nih.gov/pubmed/20446848)
26. [Newman SB, Kundel V, Matsuzaki M, Reid M, Kizer JR, Kaplan RC, Fayad ZA, Mani V, Shea S, Allison M, Criqui MH, Lutsey PL, McClelland RL, Redline S, Shah NA. Sleep apnea, coronary artery calcium density, and cardiovascular events: results from the Multi-Ethnic Study of Atherosclerosis. *J Clin Sleep Med*. 2021;17(10):2075-2083.](https://pubmed.ncbi.nlm.nih.gov/34606441/)
27. [Ng CH, Cheung N, Wang JJ, Islam AF, Kawasaki R, Meuer SM, Cotch MF, Klein BE, Klein R, Wong TY. Prevalence and risk factors for epiretinal membranes in a multi-ethnic Unites States population. *Opthalmology*. 2011;118(4)694-699.](http://www.ncbi.nlm.nih.gov/pubmed/21035863)
28. [Ng DK, Levey AS, Shlipak MG, Munoz A, Inker LA, Shafi T. Validation of a simple equation for glomerular filtration rate measurement based on plasma iohexol disappearance. *Clin Kidney J*. 2019;13(3):397-401.](https://pmlegacy.ncbi.nlm.nih.gov/pubmed/32699620)
29. [Ng MC, Shriner D, Chen BH, Li J, Chen WM, Guo X, Liu J, Bielinski SJ, Yanek LR, Nalls MA, Comeau ME, Rasmussen-Torvik LJ, Jensen RA, Evans DS, Sun YV, An P, Patel SR, Lu Y, Long J, Armstrong LL, Wagenknecht L, Yang L, Snively BM, Palmer ND, Mudgal P, Langefeld CD, Keene KL, Freedman BI, Mychaleckyj JC, Nayak U, Raffel LJ, Goodarzi MO, Chen YD, Taylor HA Jr, Correa A, Sims M, Couper D, Pankow JS, Boerwinkle E, Adeyemo A, Doumatey A, Chen G, Mathias RA, Vaidya D, Singleton AB, Zonderman AB, Igo RP Jr, Sedor JR; FIND Consortium, Kabagambe EK, Siscovick DS, McKnight B, Rice K, Liu Y, Hsueh WC, Zhao W, Bielak LF, Kraja A, Province MA, Bottinger EP, Gottesman O, Cai Q, Zheng W, Blot WJ, Lowe WL, Pacheco JA, Crawford DC; EMERGE Consortium; DIAGRAM Consortium, Grundberg E; MuTHER Consortium, Rich SS, Hayes MG, Shu XO, Loos RJ, Borecki IB, Peyser PA, Cummings SR, Psaty BM, Fornage M, Iyengar SK, Evans MK, Becker DM, Kao WH, Wilson JG, Rotter JI, Sale MM, Liu S, Rotimi CN, Bowden DW; MEta-analysis of type 2 Diabetes in African Americans Consortium. Meta-analysis of genome-wide association studies in African Americans provides insights into the genetic architecture of type 2 diabetes. *PLoS Genet*. 2014;10(8):e1004517. doi: 10.1371/journal.pgen. 1004517. eCollection Aug.](https://www.ncbi.nlm.nih.gov/pubmed/25102180)
30. [Ng MCY, Guan M, Keaton JM, Dimitrov L, Hicks PJ, Xu J, Palmer ND, Ma L, Das SK, Chen YI, Coresh J, Fornage M, Franceschini N, Kramer H, Langefeld CD, Mychaleckyj JC, Parekh RS, Post WS, Rasmussen-Torvik LJ, Rich SS, Rotter JI, Sedor JR, Thornley-Brown D, Tin A, Wilson JG, Freedman BI, Bowden DW; FIND Consortium. Genome-wide association identifies novel loci for type 2 diabetes-attributed end-stage kidney disease in African Americans. *Hum Genomics*. 2019;13(1):21. doi: 10.1186/s40246-019-0205-7.](https://www.ncbi.nlm.nih.gov/pubmed/31092297)
31. [Ngo D, Pratte KA, Flexeder C, Petersen H, Dang H, Ma Y, Keyes MJ, Gao Y, Deng S, Peterson BD, Farrell LA, Bhambhani VM, Palacious C, Quadir J, Gillenwater L, Xu H, Emson C, Gieger C, Suhre K, Graumann J, Jain D, Conomos MP, Tracy RP, Guo X, Liu Y, Johnson WC, Cornell E, Durda P, Taylor KD, Papanicolaou GJ, Rich SS, Rotter JI, Rennard SI, Curtis JL, Woodruff PG, Cornellas AP, Silverman EK, Crapo JD, Larson MG, Vasan RS, Wang TJ, Correa A, Sims M, Wilson JG, Gerszten RE, O’Connor GT, Barr RG, Cooper D, Dupuis J, Manichaikul A, O’Neal WK, Tesfaigzi Y, Schulz H, Bowler RP. Systematic Markers of Lung Function and Forced Expiratory Volume in 1 Second Decline across Diverse Cohorts. *Ann Am Thorac Soc*. 2023;20(8):1124-1135.](https://pubmed.ncbi.nlm.nih.gov/37351609/)
32. [Nguyen HT, Bertoni AG, Nettleton JA, Bluemke DA, Levitan EB, Burke GL. DASH Eating Pattern Is Associated with Favorable Left Ventricular Function in the Multi-Ethnic Study of Atherosclerosis. *J Am Coll Nutr*. 2012;31(6):401-407.](http://www.ncbi.nlm.nih.gov/pubmed/23756584)
33. [Nguyen K, Fan W, Bertoni A, Budoff MJ, Defilippi C, Lombardo D, Maisel A, Szklo M, Wong ND. N-terminal Pro B-type Natriuretic Peptide and High-sensitivity Cardiac Troponin as Markers for Heart Failure and Cardiovascular Disease Risks According to Glucose Status (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2020;125(8):1194-1201.](https://www.ncbi.nlm.nih.gov/pubmed/32106929)
34. [Nguyen TT, Alibrahim E, Islam FM, Klein R, Klein BE, Cotch MF, Shea S, Wong TY. Inflammatory, Hemostatic and Other Novel Biomarkers for Diabetic Retinopathy: The Multi-Ethnic Study of Atherosclerosis. *Diabetes Care*. 2009;32(9):1704-1709.](http://www.ncbi.nlm.nih.gov/pubmed/19549733?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
35. [Nguyen TT, Islam FM, Farouque HM, Klein R, Klein BE, Cotch MF, Herrington DM, Wong TY. Retinal Vascular Caliber and Brachial Flow-Mediated Dilation: The Multi-Ethnic Study of Atherosclerosis. *Stroke*. 2010;41(7):1343-1348.](http://www.ncbi.nlm.nih.gov/pubmed/20508189)
36. [Nguyen TT, Wang JJ, Sharrett AR, Islam FM, Klein R, Klein BE, Cotch MF, Wong TY. Relationship of retinal vascular caliber with diabetes and retinopathy: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2008;31(3):544-549.](http://www.ncbi.nlm.nih.gov/pubmed/18070990?ordinalpos=71&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
37. [Ni H, Wu C, Prineas R, Shea S, Liu K, Kronmal D, Bild D. Comparison of Dinamap PRO-100 and mercury sphygmomanometer blood pressure measurements in a population-based study. *Am J of Hypertension*. 2006;19(4):353-360.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16580569&query_hl=13&itool=pubmed_docsum)
38. [Ni Y, Tracy RP, Cornell E, Kaufman JD, Szpiro AA, Campen MJ, Vedal S. Short-term exposure to air pollution and biomarkers of cardiovascular effect: A repeated measures study. *Environ Pollut*. 2021;279:116893. doi: 10.1016/j.envpol.2021.116893.](https://pubmed.ncbi.nlm.nih.gov/33765506/)
39. [Nitsch D, Grams M, Sang Y, Black C, Cirillo M, Djurdjev O, Iseki K, Jassal SK, Kimm H, Kronenberg F, Oien CM, Levey AS, Levin A, Woodward M, Hemmelgam BR; Chronic Kidney Disease Prognosis Consortium. Associations of estimated glomerular filtration rate and albuminuria with mortality and renal failure by sex: a meta-analysis. *BMJ*. 2013;346;f324. doi: 10.1136/bmj.f324.](http://www.ncbi.nlm.nih.gov/pubmed/23360717)
40. [Noda C, Ambale Venkatesh B, Ohyama Y, Liu CY, Chamera E, Redheuil A, Teixido-Tura G, Chugh AR, Wu CO, Hundley GW, Bluemke DA, Lima JA. Reproducibility of functional aortic analysis using magnetic resonance imaging: the MESA. *Eur Heart Cardiovasc Imaging*. 2016;17(8):909-917.](http://www.ncbi.nlm.nih.gov/pubmed/26358693)
41. [Nomura SO, Karger AB, Garg P, Cao J, Bhatia H, Duran EK, Duprez D, Guan W, Tsai MY. Small dense low-density lipoprotein cholesterol compared to other lipoprotein biomarkers for predicting coronary heart disease among individuals with normal fasting glucose: The Multi-Ethnic Study of Atherosclerosis. *Am J Prev Cardiol*. 2022;13:100436. doi: 10.1016/j.ajpc.2022.100436. eCollection 2023 Mar.](https://pubmed.ncbi.nlm.nih.gov/36545388/)
42. [Nomura SO, Karger AB, Weir NL, Duprez DA, Tsai MY. Free fatty acids, cardiovascular disease, and mortality in the Multi-Ethnic Study of Atherosclerosis. *J Clin Lipidol*. 2020;14(4):531-541.](https://pubmed.ncbi.nlm.nih.gov/32651087/)
43. [Nomura SO, Karger AB, Weir NL, Lima JAC, Thanassoulis G, Tsai MY. Free fatty acids and heart failure in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Clin Lipidol*. 2021;15(4):608-617.](https://pubmed.ncbi.nlm.nih.gov/34244123/)
44. [Nonterah EA, Crowther NJ, Klipstein-Grobusch K, Oduro AR, Kavousi M, Agongo G, Anderson TJ, Asiki G, Boua PR, Choma SSR, Couper DJ, Engstrom G, de Graaf J, Kauhanen J, Lonn EM, Mathiesen EB, Micklesfield LK, Okazaki S, Polak JF, Rundek T, Salonen JT, Tollman SM Tuomainen TP, Grobbee DE, Ramsay M, Bots ML, H3Africa AWI-Gen, USE-IMT collaborative study group. Racial and Ethnic Differences in the Association Between Classical Cardiovascular Risk Factors and Common Carotid Intima-Media Thickness: An Individual Participant Data Meta-Analysis. *J Am Heart Assoc*. 2022;11(15):e023704. doi: 10.1161/JAHA.121.023704.](https://pubmed.ncbi.nlm.nih.gov/35876421/)
45. [Noordam R, Bos MM, Wang H, Winkler TW, Bentley AR, Kilpelainen TO, de Vries PS, Sung YJ, Schwander K, Cade BE, Manning A, Aschard H, Brown MR, Chen H, Franceschini N, Musani SK, Richard M, Vojinovic D, Aslibekyan S, Bartz TM, deLas Fuentes L, Feiosa M, Horimoto AR, Ilkov M, Kho M, Kraja A, Li C, Lim E, Liu Y, Mook-Kanamori DO, Rankinen T, Tajuddin SM, van der Spek A, Wang Z, Marten J, Laville V, Alver M, Evangelou E, Graff ME, He M, Kuhnel B, Lyytikainen LP, Marques-Vidal P, Nolte IM, Palmer ND, Rauramaa R, Shu XO, Snieder H, Weiss S, Wen W, Yanek LR, Aldolfo C, Ballantyne C, Bielak L, Biermasz NR, Boerwinkle E, Dimou N, Eiriksdottir G, Gao C, Gharib SA, Gottlieb DJ, Haba-Rubio J, Harris TB, Heikkinen S, Heinzer R, Hixson JE, Homuth G, Ikram MA, Komulainen P, Krieger JE, Lee J. Liu J, Lohman KK, Luik AI, Magi R, Martin LW, Meitinger T, Metspalu A, Milaneschi Y, Nalls MA, O’Connel J, Peters A, Peyser P, Raitakari OT, Reiner AP, Rensen PCN, Rice TK, Rich SS, Roenneberg T, Rotter JI, Schreiner PJ, Shikany J, Sidney SS, Sims M, Sitlani CM, Sofer T, Strauch K, Swertz MA, Taylor KD, Uitterlinden AG, van Duijn CM, Volzke H, Waldenberger M, Wallance RB, van Dijk KW, Yu C, Zonderman AB, Becker DM, Elliott P, Esko T, Gieger C, Grabe HJ, Lakka TA, Lehtimaki T, North KE, Penninx BWJH, Vollenweider P, Wagenknecht LE, Wu T, Xiang YB, Zheng W, Arnett DK, Bouchard C, Evans MK, Gudnason V, Kardia S, Kelly TN, Kritchevsky SB, Loos RJF, Pereira AC, Province M, Psaty BM, Rotimi C, Zhu X, Amin N, Cupples LA, Fornage M, Fox EF, Guo X, Gauderman WJ, Rice K, Kooperberg C, Munroe PB, Liu CT, Morrison AC, Rao DC, van Heemst D, Redline S. Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. *Nat Commun*. 2019;10(1):5121. doi: 10.1038/s41467-019-12958-0.](https://www.ncbi.nlm.nih.gov/pubmed/31719535)
46. [Novak NL, Wang X, Clarke PJ, Hajat A, Needham BL, Sanchez BN, Rodriguez CJ, Seeman TE, Castro-Diehl C, Golden SH, Diez Roux AV. Diurnal salivary cortisol and nativity/duration of residence in Latinos: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2017;85:179-189.](https://www.ncbi.nlm.nih.gov/pubmed/28886460)
47. [Odden MC, Tager IB, Gansevoort RT, Bakker SJ, Fried LF, Newman AB, Katz R, Satterfield S, Harris TB, Sarnak MJ, Siscovick D, Shlipak MG. Hypertension and low HDL cholesterol were associated with reduced kidney function across the age spectrum: a collaborative study. *Ann Epidemiol*. 2013;23(3):106-111.](http://www.ncbi.nlm.nih.gov/pubmed/23313266)
48. [Odden MC, Tager IB, Gansevoort RT, Bakker SJ, Katz R, Fried LF, Newman AB, Canada RB, Harris T, Sarnak MJ, Siscovick D, Shlipak MG. Age and cystatin C in healthy adults: a collaborative study. *Nephrol Dial Transplant*. 2010;25(2):463-469.](http://www.ncbi.nlm.nih.gov/pubmed/19749145?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)

1. [Oelsner EC, Balte PP, Cassano PA, Couper D, Enright PL, Folsom AR, Hankinson J, Jacobs DR Jr, Kalhan R, Kaplan R, Kronmal R, Lange L, Loehr LR, London SJ, Navas Acien A, Newman AB, O’Connor GT, Schwartz JE, Smith LJ, Yeh F, Zhang Y, Moran AE, Mwasongwe S, White WB, Yende S, Barr RG. Harmonization of Respiratory Data From 9 US Population-Based Cohorts: The NHLBI Pooled Cohorts Study.](https://www.ncbi.nlm.nih.gov/pubmed/29982273) *[Am J Epidemiol](https://www.ncbi.nlm.nih.gov/pubmed/29982273)*[. 2018;187(11):2265-2278.](https://www.ncbi.nlm.nih.gov/pubmed/29982273)
2. [Oelsner EC, Balte PP, Bhatt SP, Cassano PA, Couper D, Folsom AR, Freedman ND, Jacobs DR Jr, Kalhan R, Mathew AR, Kronmal RA, Loehr LR, London SJ, Newman AB, O’Connor GT, Schwartz JE, Smith LJ, White WB, Yende S. Lung function decline in former smokers and low-intensity current smokers: a secondary data analysis of the NHLBI Pooled Cohorts Study. *Lancet Respir Med*. 2020;8(1):34-44.](https://www.ncbi.nlm.nih.gov/pubmed/31606435)

1. [Oelsner EC, Balte PP, Grams ME, Cassano PA, Jacobs DR, Barr RG, Burkart KM, Kalhan R, Kronmal R, Loehr LR, O’Connor GT, Schwartz JE, Shlipak M, Tracy RP, Tsai MY, White W, Yende S. Albuminuria, Lung Function Decline, and Risk of Incident Chronic Obstructive Pulmonary Disease. The NHLBI Pooled Cohorts Study.](https://www.ncbi.nlm.nih.gov/pubmed/30261735) *[Am J Respir Crit Care Med](https://www.ncbi.nlm.nih.gov/pubmed/30261735)*[. 2019;199(3):321-332.](https://www.ncbi.nlm.nih.gov/pubmed/30261735)

1. [Oelsner EC, Carr JJ, Enright PL, Hoffman EA. Folsom AR, Kawut SM, Kronmal RA, Lederer DJ, Lima JA, Lovasi GS, Smith BM, Shea SJ, Barr RG. Per cent emphysema is associated with respiratory and lung cancer mortality in the general population: a cohort study. *Thorax*. 2016;71(7):624-632.](http://www.ncbi.nlm.nih.gov/pubmed/27048196)
2. [Oelsner EC, Hoffman EA, Folsom AR, Carr JJ, Enright P, Kawut SM, Kronmal R, Lederer D, Lima JA, Lovasi GS, Shea S, Barr RG. Association Between Emphysema-like Lung on Cardiac Computed Tomography and Mortality in Persons Without Airflow Obstruction: A Cohort Study. *Ann Intern Med*. 2014;161(12):863-873.](http://www.ncbi.nlm.nih.gov/pubmed/25506855)
3. [Oelsner EC, Lima JA, Kawut SM, Burkart KM, Enright PL, Ahmed FS. Barr RG. Noninvasive Tests for the Diagnostic Evaluation of Dyspnea Among Outpatients: The Multi-Ethnic Study of Atherosclerosis Lung Study. *Am J Med*. 2015;128(2):171-180.](http://www.ncbi.nlm.nih.gov/pubmed/25447621)
4. [Oelsner EC, Loehr LR, Henderson AG, Donohue KM, Enright PL, Kalhan P, Lo Cascio CM, Ries A, Shah N, Smith BM, Rosamond WD, Barr RG. Classifying Chronic Lower Respiratory Disease Events in Epidemiologic Cohort Studies. *Ann Am Thorac* *Soc*. 2016;13(7):1057-1066.](http://www.ncbi.nlm.nih.gov/pubmed/27088163)
5. [Oelsner EC, Ortega VE, Smith BM, Nguyen JN, Manichaikul AW, Hoffman EA, Guo X, Taylor KD, Woodruff PG, Couper DJ, Hansel NN, Martinez FJ, Paine R 3rd, Han MK, Cooper C, Dransfield MT, Criner G, Krishnan JA, Bowler R, Bleecker ER, Peters S, Rich SS, Meyers DA, Rotter JI, Barr RG. A Genetic Risk Score Associated with Chronic Obstructive Pulmonary Disease Susceptibility and Lung Structure on Computed Tomography. *Am J Respir Crit Care Med*. 2019;200(6):721-731.](https://www.ncbi.nlm.nih.gov/pubmed/30925230)
6. [Oelsner EC, Smith BM, Hoffman EA, Folsom AR, Kawut SM, Kaufman JD, Manichaikul A, Lederer DJ, Schwartz JE, Watson KE, Enright PL, Austin JHM, Lima JAC, Shea SJ, Barr RG. Associations between emphysema-like lung on CT and incident airflow limitation: a general population-based cohort study. *Thorax*. 2018;73(5):486-488.](https://www.ncbi.nlm.nih.gov/pubmed/29074811)
7. [Oelsner EC, Smith BM, Hoffman EA, Kalhan R, Donohue KM, Kaufman JD, Nguyen JN, Manichaikul AW, Rotter JI, Michos ED, Jacobs DR. Jr, Burke GL, Folsom AR, Schwartz JE, Watson K, Barr RG. Prognostic Significance of Large Airway Dimensions on Computed Tomography in the General Population: The Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study. *Ann Am Thorac Soc*. 2018;15(6):718-727.](https://www.ncbi.nlm.nih.gov/pubmed/29529382)
8. [Ogilvie RP, Everson-Rose SA, Longstreth WT Jr, Rodriguez CJ, Diez-Roux AV, Lutsey PL. Psychosocial Factors and Risk of Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. *Circ Heart Fail*. 2016;(1):e002243. doi: 10.1161/CIRCHEARTFAILURE.115.002243.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ogilvie+RP)
9. [Ogilvie RP, Redline S, Bertoni AG, Chen X, Ouyang P, Szklo M, Lutsey PL. Actigraphy Measured Sleep Indices and Adiposity: The Multi-Ethnic Study of Atherosclerosis (MESA). *Sleep*. 2016;39(9):1701-1708.](http://www.ncbi.nlm.nih.gov/pubmed/27306270)
10. [Ogunmoroti O, Allen NB, Cushman M, Michos ED, Rundek T, Rana JS, Blankstein R, Blumenthal RS, Blaha MJ, Veledar E, Nasir K. Association Between Life’s Simple 7 and Noncardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2016;5(10). pii: e003954.](https://www.ncbi.nlm.nih.gov/pubmed/27792654)
11. [Ogunmoroti O, Michos ED, Aronis KN, Salami JA, Balankstein R, Virani SS, Spatz ES, Allen NB, Rana JS, Blumenthal RS, Veledar E, Szklo M, Blaha MJ, Nasir K. Life’s Simple 7 and the risk of fibrillation: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2018;275:174-181.](https://www.ncbi.nlm.nih.gov/pubmed/29920438)
12. [Ogunmoroti O, Oni E, Michos ED, Spatz ES, Allen N, Rana JS, Virani SS, Blankstein R, Aronis KN, Blumenthal RS, Veledar E, Szklo M, Blaha MJ, Nasir K. Life’s Simple 7 and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2017;6(6). pii: e005180. doi: 10.1161/JAHA.116.005180.](https://www.ncbi.nlm.nih.gov/pubmed/28655734)
13. [Ogunmoroti O, Osibogun O, Ferraro RA, Esuruoso OA, Ndunda PM, Larson NB, Decker PA, Bielinski SJ, Blumenthal RS, Budoff MJ, Michos ED. Hepatocyte growth factor is associated with greater risk of extracoronary calcification: results from the multiethnic study of atherosclerosis. *Open Heart*. 2022;9(1):e001971. doi: 10.1136/openhrt-2022-001971.](https://pubmed.ncbi.nlm.nih.gov/35641100/)

1. [Ogunmoroti O, Osibogun O, Kolade OB, Ying W, Sharma G, Vaidya D, Michos ED. Multiparity is associated with poorer cardiovascular health among women from the Multi-Ethnic Study of Atherosclerosis.](https://www.ncbi.nlm.nih.gov/pubmed/31283904) *[Am J Obstet Gynecol](https://www.ncbi.nlm.nih.gov/pubmed/31283904)*[. 2019;221(6):631.e1-631.e16. doi: 10.1016/j.ajog.2019.07.001.](https://www.ncbi.nlm.nih.gov/pubmed/31283904)
2. [Ogunmoroti O, Osibogun O, Mathews L, Esuruoso OA, Ndumele CE, Okunrintemi V, Burke GL, Blumenthal RS, Budoff MJ, Michos ED. Favorable Cardiovascular Health Is Associated With Lower Prevalence, Incidence, Extent, and Progression of Extracoronary Calcification: MESA. *Circ Cardiovasc* *Imaging*. 2022;15(3):e013762. doi: 10.1161/CIRCIMAGING.121.013762.](https://pubmed.ncbi.nlm.nih.gov/35290079/)
3. [Ogunmoroti O, Osibogun O, McClelland RL, Burke GL, Nasir K, Michos ED. Alcohol and ideal cardiovascular health: The Multi-Ethnic Study of Atherosclerosis. *Clin Cardiol*. 2019;42(1):151-158.](https://www.ncbi.nlm.nih.gov/pubmed/30506744)

1. [Ogunmoroti O, Osibogun O, McClelland RL, Lazo M, Mathews L, Okunrintemi V, Oni ET, Burke GL, Michos ED. Alcohol type and ideal cardiovascular health among adults of the Multi-Ethnic Study of Atherosclerosis.](https://pubmed.ncbi.nlm.nih.gov/33162252/) *[Drug Alcohol Depend](https://pubmed.ncbi.nlm.nih.gov/33162252/)*[. 2021;218:108358. doi: 10.1016/j.drugalcdep.2020.108358.](https://pubmed.ncbi.nlm.nih.gov/33162252/)
2. [Ogunmoroti O, Osibogun O, Zhao D, Mehta RC, Ouyang P, Lutsey PL, Robinson-Cohen C, Michos ED. Associations between endogenous sex hormones and FGF-23 among women and men in the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2022;17(5):e0268759. doi: 10.1371/journal.pone.0268759. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35613118/)

1. [Oh M, Jacobs DR Jr, Gabriel KP, Bao W, Pierce GL, Carr LJ, Ding J, Whitaker KM. Cross-sectional and Longitudinal Associations of Lifestyle Behaviors with Pericardial Adipose Tissue: The MESA Study.](https://pubmed.ncbi.nlm.nih.gov/35576135/) *[Med Sci Sports Exerc](https://pubmed.ncbi.nlm.nih.gov/35576135/)*[. 2022;54(6):984-993.](https://pubmed.ncbi.nlm.nih.gov/35576135/)
2. [Oh SW, Wood AC, Hwang SS, Allison M. Racial and Ethnic Differences in the Association of Low-Carbohydrate Diet With Mortality in the Multi-Ethnic Study of Atherosclerosis. *JAMA Netw Open*. 2022;5(10):e2237552. doi: 10.1001/jamanetworkopen.2022.37552.](https://pubmed.ncbi.nlm.nih.gov/36264576/)
3. [Ohira T, Diez Roux AV, Polak JF, Homma S, Iso H, Wasserman BA. Associations of anger, anxiety, and depressive symptoms with carotid arterial wall thickness: the multi-ethnic study of atherosclerosis.](http://www.ncbi.nlm.nih.gov/pubmed/22511725) *[Psychosom Med](http://www.ncbi.nlm.nih.gov/pubmed/22511725)*[. 2012;74(5):517-525.](http://www.ncbi.nlm.nih.gov/pubmed/22511725)
4. [Ohira T, Roux AV, Prineas RJ, Kizilbash MA, Carnethon MR, Folsom AR. Associations of Psychosocial Factors With Heart Rate and Its Short-Term Variability; Multi-Ethnic Study of Atherosclerosis. *Psychosom Med*. 2008;70(2):141-146.](http://www.ncbi.nlm.nih.gov/pubmed/18256350?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
5. [Ohyama Y, Ambale-Venkatesh B, Noda C, Chugh AR, Teixido-Tura G, Kim JY, Donekal S, Yoneyama K, Gjesdal O, Redheuil A, Liu CY, Nakamura T, Wu CO, Hundley WG, Bluemke DA, Lima JA. Association of Aortic Stiffness With Left Ventricular Remodeling and Reduced Left Ventricular Function Measured by Magnetic Resonance Imaging: The Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2016;9(7). pii: e004426. doi: 10.1161/CIRCIMAGING. 115.004426.](http://www.ncbi.nlm.nih.gov/pubmed/27353852)
6. [Ohyama Y, Ambale-Venkatesh B, Noda C, Kim JY, Tanami Y, Teixido-Tura G, Chugh AR, Redheuil A, Liu CY, Wu CO, Hundley WG, Bluemke DA, Guallar E, Lima JAC. Aortic Arch Pulse Wave Velocity Assessed by Magnetic Resonance Imaging as a Predictor of Incident Cardiovascular Events: The MESA (Multi-Ethnic Study of Atherosclerosis). *Hypertension*. 2017;70(3):524-530.](https://www.ncbi.nlm.nih.gov/pubmed/28674039)
7. [Ohyama Y, Teixido-Tura G, Ambale-Venkatesh B, Noda C, Chugh AR, Liu CY, Redheuil A, Stacey RB, Dietz H, Gomes AS, Prince MR, Evangelista A, Wu CO, Hundley WG, Bluemke DA, Lima JA. Ten-year longitudinal change in aortic stiffness assessed by cardiac MRI in the second half of the human lifespan: the multi-ethnic study of atherosclerosis. *Eur Heart J Cardiovasc Imaging*. 2016;17(9):1044-1053.](http://www.ncbi.nlm.nih.gov/pubmed/26758407)
8. [Ojaimi E, Nguyen TT, Klein R, Islam FM, Cotch MF, Klein BE, Wang JJ, Wong TY. Retinopathy Signs in People without Diabetes The Multi-Ethnic Study of Atherosclerosis. *Ophthalmology*. 2011;118(4):656-662.](http://www.ncbi.nlm.nih.gov/pubmed/21055817)
9. [Okoro PC, Schubert R, Guo X, Johnson WC, Rotter JI, Hoeschele I, Liu Y, Im HK, Luke A, Dugas LR, Wheeler HE. Transcriptome prediction performance across machine learning models and diverse ancestries. *HGG Adv*. 2021;2(2):100019. doi: 10.1016/j.xhgg.2020.100019.](https://pubmed.ncbi.nlm.nih.gov/33937878/)
10. [Okwuosa TM, Greenland P, Burke GL, Eng J, Cushman M, Michos ED, Ning H, Lloyd-Jones DM. Prediction of coronary artery calcium progression in individuals with low framingham risk score: the multi-ethnic study of atherosclerosis. *JACC Cardiovasc Imaging*. 2012;5(2):144-153.](http://www.ncbi.nlm.nih.gov/pubmed/22340820)
11. [Okwuosa TM, Greenland P, Lakoski SG, Ning H, Kang J, Blumenthal RS, Szklo M, Crouse JR 3rd, Lima JA, Liu K, Lloyd-Jones DM. Factors Associated with Presence and Extent of Coronary Calcium in Those Predicted to Be at Low Risk According to Framingham Risk Score (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2011;107(6):879-885.](http://www.ncbi.nlm.nih.gov/pubmed/21376929)
12. [Okwuosa TM, Greenland P, Ning H, Liu K, Bild DE, Burke GL, Eng J, Lloyd-Jones DM. Distribution of Coronary Artery Calcium Scores by Framingham 10-Year Risk Strata in the MESA (Multi-Ethnic Study of Atherosclerosis) Potential Implications for Coronary Risk Assessment. *J Am Coll Cardiol*. 2011;57(18):1838-1845.](http://www.ncbi.nlm.nih.gov/pubmed/21527159)

1. [Olives CS et al. A unified spatiotemporal modeling approach for predicting concentrations of multiple air pollutants in the multi-ethnic study of atherosclerosis and air pollution. *Environ Health Perspect*. 2015;123(4):301-309.](http://www.ncbi.nlm.nih.gov/pubmed/25398188)
2. [Olson NC, Doyle MF, de Boer IH, Huber SA, Jenny NS, Kronmal RA, Psaty BM, Tracy RP. Associations of Circulating Lymphocyte Subpopulations with Type 2 Diabetes: Cross-Sectional Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2015;10(10):e0139962. doi: 10.1371/journal.pone.0139962. eCollection 2015.](http://www.ncbi.nlm.nih.gov/pubmed/26458065)
3. [Olson NC, Doyle MF, Jenny NW, Huber SA, Psaty BM, Kronmal RA, Tracy RP. Decreased Naive and Increased Memory CD4(+) T Cells Are Associated with Subclinical Atherosclerosis: The Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2013;8(8):e71498. doi: 10.1371/journal.pone.0071498. eCollection 2013.](http://www.ncbi.nlm.nih.gov/pubmed/24009662)
4. [Olson NC, Doyle MF, Sitlani CM, de Boer IH, Rich SS, Huber SA, Landay AL, Tracy RP, Psaty BM, Delaney JA. Associations of Innate and Adaptive Immune Cell Subsets With Incident Type 2 Diabetes Risk: The MESA Study. *J Clin Endocrinol Metab*. 2020;105(3). pii: dgaa036. doi: 10.1210/clinem/dgaa036.](https://www.ncbi.nlm.nih.gov/pubmed/31990975)
5. [Olson NC, Sitlani CM, Doyle MF, Huber SA, Landay AL, Tracy RP, Psaty BM, Delaney JA. Innate and adaptive immune cell subsets as risk factors for coronary heart disease in two population-based cohorts. *Atherosclerosis*. 2020;200:47-53.](https://www.ncbi.nlm.nih.gov/pubmed/32209232)
6. [Oluleye OW, Kronmal RA, Folsom AR, Vaidya DM, Ouyang P, Duprez DA, Dobs AS, Yarmohammadi H, Konety SH. Association Between Statin Use and Sex Hormone in the Multi-Ethnic Study of Atherosclerosis Cohort. *J Clin Endocrinol Metab*. 2019;104(10):4600-4606.](https://www.ncbi.nlm.nih.gov/pubmed/31157875)
7. [O’Neal WT, Chen LY, Nazarian S, Soliman EZ. Reference ranges for short-term heart rate variability measures in individuals free of cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Electrocardiol*. 2016;49(5):686-690.](http://www.ncbi.nlm.nih.gov/pubmed/27396499)
8. [O’Neal WT, Efird JT, Dawood FZ, Yeboah J, Alonso A, Heckbert SR, Soliman EZ. Coronary Artery Calcium and Risk of Atrial Fibrillation (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2014;114(11):1707-1712.](http://www.ncbi.nlm.nih.gov/pubmed/25282316)
9. [O’Neal WT, Efird JT, Kamel H, Nazarian S. Alonso A, Heckbert SR, Longstreth WT Jr, Soliman EZ. The association of the QT interval with atrial fibrillation and stroke: the Multi-Ethnic Study of Atherosclerosis. *Clin Res Cardiol*. 2015;104(9):743-750.](http://www.ncbi.nlm.nih.gov/pubmed/25752461)
10. [O’Neal WT, Efird JT, Nazarian S, Alonso A, Heckbert SR, Soliman EZ. Mitral annular calcification and incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis. *Europace*. 2015;17(3):358-363.](http://www.ncbi.nlm.nih.gov/pubmed/25341740)
11. [O’Neal WT, Efird JT, Nazarian S, Alonso A, Heckbert SR, Soliman EZ. Peripheral arterial disease and risk of atrial fibrillation and stroke: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2014;3(6). pii: e001270.doi: 10.1161/JAHA.114.001270.](http://www.ncbi.nlm.nih.gov/pubmed/25404190)
12. [O’Neal WT, Efird JT, Nazarian S, Alonso A, Michos ED, Szklo M, Heckbert SR, Soliman EZ. Mitral annular calcification progression and the risk of atrial fibrillation: results from MESA. *Eur Heart J Cardiovasc Imaging*. 2018;19(3):279-284.](https://www.ncbi.nlm.nih.gov/pubmed/28460029)
13. [O’Neal WT, Efird JT, Qureshi WT, Yeboah J, Alonso A, Heckbert SR, Nazarian S, Soliman EZ. Coronary Artery Calcium Progression and Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2015;8(12). pii: e003786.](http://www.ncbi.nlm.nih.gov/pubmed/26659375)
14. [O’Neal WT, Efird JT, Yeboah J, Nazarian S, Alonso A, Heckbert SR, Soliman EZ. Brachial flow-mediated dilation and incident atrial fibrillation: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2014;34(12):2717-2720.](http://www.ncbi.nlm.nih.gov/pubmed/25341797)
15. [O’Neal WT, Mazur M, Bertoni AG, Bluemke DA, Al-Mallah MH, Lima JAC, Kitzman D, Soliman EZ. Electrocardiographic Predictors of Heart Failure With Reduced Versus Preserved Ejection Fraction: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2017;6(6). pii: e006023. doi: 10.1161/JAHA.117.006023.](https://www.ncbi.nlm.nih.gov/pubmed/28546456)
16. [O’Neal WT, Nazarian S, Alonso A, Heckbert SR, Vaccarino V, Soliman EZ. Sex hormones and the risk of atrial fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA). *Endocrine*. 2017;58(1):91-96.](https://www.ncbi.nlm.nih.gov/pubmed/28786078)
17. [O’Neal WT, Qureshi WT, Nazarian S, Kawel-Boehm N, Bluemke DA, Lima JA, Soliman SZ. Electrocardiographic Time to Intrinsicoid Deflection and Heart Failure: The Multi-Ethnic Study of Atherosclerosis. *Clin Cardiol*. 2016;39(9):531-536.](http://www.ncbi.nlm.nih.gov/pubmed/27552258)
18. [O’Neal WT, Soliman EZ, Qureshi W, Alonso A, Heckbert SR, Herrington D. Sustained pre-hypertensive blood pressure and incident atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/pubmed/25795549) *[J Am Soc Hypertens](http://www.ncbi.nlm.nih.gov/pubmed/25795549)*[. 2015;9(3):191-196.](http://www.ncbi.nlm.nih.gov/pubmed/25795549)
19. [O’Neill MS, Diez-Roux AV, Auchincloss AH, Franklin TG, Jacobs DR Jr, Astor BC, Dvonch JT, Kaufman J. Airborne particulate matter exposure and urinary albumin excretion: The Multi-Ethnic Study of Atherosclerosis. *Occup Environ Med*. 2008;65(8):534-540.](http://www.ncbi.nlm.nih.gov/pubmed/18032533?ordinalpos=10&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
20. [O’Neill MS, Diez-Roux AV, Auchincloss AH, Shen M, Lima JA, Polak JF, Barr RG, Kaufman J, Jacobs DR. Long-Term Exposure to Airborne Particles and Arterial Stiffness: The Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2011;119(6):844-851.](http://www.ncbi.nlm.nih.gov/pubmed/21245016)
21. [Ong KL, Campbell S, Wu BJ, McClelland RL, Kokkinos J, Szklo M, Polak JF, Allison MA, Rye KA. Relationship of fibroblast growth factor 21 with subclinical atherosclerosis and cardiovascular events: Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2019;287:46-53.](https://www.ncbi.nlm.nih.gov/pubmed/31212234)
22. [Ong KL, Ding J, McClelland RL, Cheung BM, Criqui MH, Barter PJ, Rye KA, Allison MA. Relationship of pericardial fat with biomarkers of inflammation and hemostasis, and cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2015;239(2):386-392.](http://www.ncbi.nlm.nih.gov/pubmed/25682037)
23. [Ong KL, Ding J, McClelland RL, Cheung BM, Criqui MH, Barter PJ, Rye KA, Allison MA. Relationship of pericardial fat with lipoprotein distribution: The Multi-Ethnic study of atherosclerosis. *Atherosclerosis*. 2015;241(2):664-670.](http://www.ncbi.nlm.nih.gov/pubmed/26117404)
24. [Ong KL, McClelland RL, Allison MA, Cushman M, Garg PK, Tsai MY, Rye KA, Tabet F. Lipoprotein (a) and coronary artery calcification: prospective study assessing interactions with other risk factors. *Metabolism*. 2021;116:154706. doi: 10/1016/j.metabol.2021.154706.](https://pubmed.ncbi.nlm.nih.gov/33421505/)
25. [Ong KL, McClelland RL, Allison MA, Kokkinos J, Wu BJ, Barter PJ, Rye KA. Association of elevated circulating fibroblast growth factor 21 levels with prevalent and incident metabolic syndrome: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2019;281:200-206.](https://www.ncbi.nlm.nih.gov/pubmed/30446181)
26. [Ong KL, McClelland RL, Rye KA, Cheung BM, Post WS, Vaidya D, Criqui MH, Cushman M, Barter PJ, Allison MA. The relationship between insulin resistance and vascular calcification in coronary arteries, and the thoracic and abdominal aorta: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2014;236(2):257-262.](http://www.ncbi.nlm.nih.gov/pubmed/25108074)
27. [Ong KL, Morris MJ, McClelland RL, Hughes TM, Maniam J, Fitzpatrick AL, Martin SS, Luchsinger JA, Rapp SR, Hayden KM, Sandfort V, Allison MA, Rye KA. Relationship of Lipids and Lipid-Lowering Medications With Cognitive Function: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2018;187(4):767-776.](https://www.ncbi.nlm.nih.gov/pubmed/29617947)
28. [Ong KL, Morris MJ, McClelland RL, Maniam J, Allison MA, Rye KA. Lipids, lipoprotein distribution and depressive symptoms: The Multi-Ethnic Study of Atherosclerosis. *Transl Psychiatry*. 2016;6(11):e962. doi: 10.1038/tp.2016.232.](https://www.ncbi.nlm.nih.gov/pubmed/27898070)
29. [Ong SS, Peavey JJ, Hiatt KD, Whitlow CT, Sappington RM, Thompson AC, Lockhart SN, Chen H, Craft S, Rapp SR, Fitzpatrick AL, Heckbert SR, Luchsinger JA, Klein BEK, Meuer SM, Cotch MF, Wong TY, Hughes TM. Association of fractal dimension and other retinal vascular network parameters with cognitive performance and neuromaging biomarkers: The Multi-Ethnic Study of Atherosclerosis (MESA). *Alzheimers Dement*. 2024;20(2):941-953. doi: 10.1002/alz.13498.](https://pubmed.ncbi.nlm.nih.gov/37828734/)
30. [Oni E, Budoff MJ, Zeb I, Li D, Veledar E, Polak JF, Blankstein R, Wong ND, Blaha MJ, Agatston A, Blumenthal RS, Nasir K. Nonalcoholic Fatty Liver Disease Is Associated With Arterial Distensibility and Carotid Intima-Media Thickness: (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2019;124(4):534-538.](https://www.ncbi.nlm.nih.gov/pubmed/31262497)
31. [Oni E, Ogunmoroti O, Allen N, A-Mallah MH, Blankstein R, Martin SS, Zeb I, Cushman M, Joshi PH, Budoff MJ, Blaha MJ, Blumenthal RS, Veledar E, Nasir K. Life’s Simply 7 and Nonalcoholic Fatty Liver Disease: The Multiethnic Study of Atherosclerosis. *Am J Med*. 2021;134(4):519-525.](https://pubmed.ncbi.nlm.nih.gov/33285128/)
32. [Opdahl A, Ambale Venkatesh B, Fernandes VR, Wu CO, Nasir K, Choi EY, Almeida AL, Rosen B, Carvalho B, Edvardsen T, Bluemke DA, Lima JA. Resting Heart Rate as Predictor for Left Ventricular Dysfunction and Heart Failure: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2014;63(12):1182-1189.](http://www.ncbi.nlm.nih.gov/pubmed/24412444)
33. [Orimoloye OA, Mirbolouk M, Uddin SMI, Dardari ZA, Miedema MD, Al-Mallah MH, Yeboah J, Blankstein R, Nasir K, Blaha MJ. Association Between Self-rated Health, Coronary Artery Calcium Scores, and Atherosclerotic Cardiovascular Disease Risk: The Multi-Ethnic Study of Atherosclerosis (MESA). *JAMA Netw Open*. 2019;2(2):e188023. doi: 10.1001/jamanetworkopen.2018.8023.](https://www.ncbi.nlm.nih.gov/pubmed/30768193)
34. [Ortiz MS, Myers HF, Dunkel Schetter C, Rodriguez CJ, Seeman TE. Psychosocial Predictors of Metabolic Syndrome among Latino Groups in the Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2015;10(4):e0124517. doi: 10.1371/journal.pone.0124517.](http://www.ncbi.nlm.nih.gov/pubmed/25906072)
35. [Osawa K, Nakanishi R, McClelland RL, Polak JP, Bishop W, Sacco RL, Ceponiene I, Nezarat N, Rahmani S, Qi H, Kanisawa M, Budoff MJ. Ischemic stroke/transient ischemic attack events and carotid artery disease in the absence of or with minimal coronary artery calcification: Results from the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2018;275:22-27.](https://www.ncbi.nlm.nih.gov/pubmed/29852401)
36. [Osawa K, Trejo MEP, Nakanishi R, McClelland RL, Blaha MJ, Blankstein R, McEvoy JW, Ceponiene I, Stein JH, Sacco RL, Polak JF, Budoff MJ. Coronary artery calcium and carotid artery intima-media thickness for the prediction of stroke and benefit from statins. *Eur J Prev Cardiol*. 2018;25(18):1980-1987.](https://www.ncbi.nlm.nih.gov/pubmed/30183342)
37. [Osei AD, Mirbolouk M, Dardari Z, Shea S, Blankstein R, Dzaye O, Nasir K, Blumenthal RS, Blaha MJ. A Simple Approach to the Identification of Guideline-Based Coronary Artery Calcium Score Percentiles (From the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2022;179:18-21.](https://pubmed.ncbi.nlm.nih.gov/35902315/)
38. [Oseni AO, Qureshi WT, Almahmoud MF, Bertoni AG, Bluemke DA, Hundley WG, Lima JA, Herrington DM, Soliman EZ. Left ventricular hypertrophy by ECG versus cardiac MRI as a predictor for heart failure. *Heart*. 2017;103(1):49-54.](https://www.ncbi.nlm.nih.gov/pubmed/27486144)
39. [Osibogun O, Ogunmoroti O, Ferraro RA, Ndumele C, Burke GL, Larson NB, Bielinski SJ, Michos ED. Favorable Cardiovascular Health Is Associated With Lower Hepatocyte Growth Factor Levels in the Multi-Ethnic Study of Atherosclerosis. *Front Cardiovasc Med*. 2022;8:760281. doi: 10.3389/fcvm.2021.760281.](https://pubmed.ncbi.nlm.nih.gov/35047572/)
40. [Osibogun O, Ogunmoroti O, Mathews L, Okunrintemi V, Tibuakuu M, Michos ED. Greater Acculturation is Associated With Poorer Cardiovascular Health in the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2021;10(8):e019828. doi: 10.1161/JAHA.120.019828.](https://pubmed.ncbi.nlm.nih.gov/33834848/)
41. [Osibogun O, Ogunmoroti O, Spatz ES, Burke GL, Michos ED. Is self-rated health associated with ideal cardiovascular health? The Multi-Ethnic Study of Atherosclerosis. *Clin Cardiol*. 2018;41(9):1154-1163.](https://www.ncbi.nlm.nih.gov/pubmed/29896874)
42. [Osibogun O, Ogunmoroti O, Spatz ES, Fashanu OE, Michos ED. Ideal cardiovascular health and resting heart rate in the Multi-Ethnic Study of Atherosclerosis. *Prev Med*. 2020;130:1:105890. doi: 10.1016/j.ypmed.2019.105890.](https://www.ncbi.nlm.nih.gov/pubmed/31715219)
43. [Osibogun O, Ogunmoroti O, Tibuakuu M, Benson EM, Michos ED. Sex differences in the association between ideal cardiovascular health and biomarkers of cardiovascular disease among adults in the United States: a cross-sectional analysis from the multiethnic study of atherosclerosis. *BMJ Open*. 2019;9(11):e031414. doi: 10.1136/bmjopen-2019-031414.](https://www.ncbi.nlm.nih.gov/pubmed/31772093)
44. Osibogun O, Ogunmoroti O, Turkson-Ocran RA, Okunrintemi V, Kershaw KN, Allen N, Michos ED. Financial Strain and Ideal Cardiovascular Health: The Multi-Ethnic Study of Atherosclerosis. *American Journal of Preventive Cardiology*. (In press)
45. [Osmancevic A, Daka B, Michos ED, Trimpou P, Allison M. The Association between Inflammation, Testosterone and SHBG in men: A cross-sectional Multi-Ethnic Study of Atherosclerosis. *Clin Endocrinol (Oxf)*. 2023;99(2):190-197.](https://pubmed.ncbi.nlm.nih.gov/37221937/)
46. [Ostovaneh MR, Ambale-Venkatesh B, Fuji T, Bakhshi H, Shah R, Murthy VL, Tracy RP, Guallar E, Wu CO, Bluemke DA, Lima JAC. Association of Liver Fibrosis With Cardiovascular Diseases in the General Population: The Multi-Ethnic Study of Atherosclerosis (MESA). *Circ Cardiovasc Imaging*. 2018;11(3):e007241. doi: 10.1161/CIRCIMAGING.117.007241.](https://www.ncbi.nlm.nih.gov/pubmed/29523555)
47. [Ostovaneh MR, Moazzami K, Yoneyama K, A Venkatesh B, Heckbert SR, Wu CO, Shea S, Post WS, Fitzpatrick AL, Burke GL, Bahrami H, Sanchez OA, Daniels LB, Michos ED, Bluemke DA, Lima JAC. Change in NT-proBNP (N-Terminal Pro-B-Type Natriuretic Peptide) Level and Risk of Dementia in Multi-Ethnic Study of Atherosclerosis (MESA). *Hypertension*. 2020;75(2):316-323.](https://www.ncbi.nlm.nih.gov/pubmed/31865797)
48. [Osude N, Durazo-Arvizu R, Markossian T, Liu K, Michos ED, Rakotz M, Wozniak G, Egan B, Kramer H. Age and sex disparities in hypertension control: The multi-ethnic study of atherosclerosis (MESA). *Am J Prev Cardiol*. 2021;8:100230. doi: 10.1016/j.ajpc.2021.101230. eCollection 2021 Dec.](https://pubmed.ncbi.nlm.nih.gov/34430952/)
49. [Osypuk TL, Diez Roux AV, Hadley C, Kandula NR. Are immigrant enclaves healthy places to live? The Multi-ethnic Study of Atherosclerosis. *Soc Sci Med*. 2009;69(1):110-120.](http://www.ncbi.nlm.nih.gov/pubmed/19427731?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
50. [Otvos JD, Mora S, Shalaurova I, Greenland P, Mackey RH, Goff DC. Jr. Clinical implications of discordance between low-density lipoprotein cholesterol and particle number. *J Clin Lipidol*. 2011;5(2):105-113.](http://www.ncbi.nlm.nih.gov/pubmed/21392724)
51. [Otvos JD, Shalaurova I, Wolak-Dinsmore J, Connelly MA, Mackey RH, Stein JH, Tracy RP. GlycA: A Composite Nuclear Magnetic Resonance Biomarker of Systemic Inflammation. *Clin Chem*. 2015;61(5):714-723.](http://www.ncbi.nlm.nih.gov/pubmed/25779987)
52. [Ouyang P, Vaidya D, Dobs A, Golden SH, Szklo M, Heckbert SR, Kopp P, Gapstur SM. Sex hormone levels and subclinical atherosclerosis in postmenopausal women: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis.* 2009;204(1):255-261.](http://www.ncbi.nlm.nih.gov/pubmed/18849030?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
53. [Owens DS, Budoff MJ, Katz R, Takasu J, Shavelle DM, Carr JJ, Heckbert SR, Otto CM, Probstfield JL, Kronmal RA, O’Brien KD. Aortic valve calcium independently predicts coronary and cardiovascular events in a primary prevention population. *JACC Cardiovasc Imaging*. 2012;5(6):619-625.](http://www.ncbi.nlm.nih.gov/pubmed/22698532)
54. [Owens DS, Katz R, Johnson E, Shavelle DM, Probstfield JL, Takasu J, Crouse JR, Carr JJ, Kronmal R, Budoff MJ, O’Brien KD. Interaction of Age with Lipoproteins as Predictors of Aortic Valve Calcification in the Multi-Ethnic Study of Atherosclerosis. *Arch Intern Med.* 2008;168(11):1200-1207.](http://www.ncbi.nlm.nih.gov/pubmed/18541828?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
55. [Owens DS, Katz R, Takasu T, Kronmal R, Budoff MJ, O’Brien KD. Incidence and Progression of Aortic Valve Calcium in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Cardiol*. 2010;105(5):701-708.](http://www.ncbi.nlm.nih.gov/pubmed/20185020?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
56. [Oza-Frank R, Chan C, Liu K, Burke G, Kanaya AM. Incidence of Type 2 Diabetes by Place of Birth in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Immigr Minor Health*. 2013;15(5):918-924.](http://www.ncbi.nlm.nih.gov/pubmed/22833256)
57. [Palmas W, Ehret GB, Ferreira T, Chasman DI, Jackson AU, Schmidt EM, Johnson T, Thorleifsson G, Luan J, Donnelly LA, Kanoni S, Peterson AK, Pihur V, Strawbridge RJ, Shungin D, Hughes MF, Meirelles O, Kaakinen M, Bouatia-Naji N, Kristiansson K, Shah S, Kleber ME, Guo X, Lyytikainen LP, Fava C, Eriksson N, Nolte IM, Magnusson PK, Salfati EL, Rallidis LS, Theusch E, Smith AJP, Folkersen L, Witkowska K, Pers TH, Joehanes R, Kim SK, Lataniotis L, Jansen R, Johnson AD, Warren H, Kim YJ, Zhao W, Wu Y, Tayo BO, Bochud M; CHARGE-EchoGen consortium; CHARGE-HF consortium; Wellcome Trust Case Control Consortium, Absher D, Adair LS, Amin N, Arking DE, Axelsson T, Baldassarre D, Balkau B, Bandinelli S, Barnes MR, Barroso I, Bevan S, Bis JC, Bjornsdottir G, Boehnke M, Boerwinkle E, Bonnycastle LL, Boomsma DI, Bornstein SR, Brown MJ, Burnier M, Cabrera CP, Chambers JC, Chang IS, Cheng CY, Chines PS, Chung RH, Collins FS, Connell JM, Doring A, Dallongeville J, Danesh J, De Faire U, Delgado G, Dominiczak AF, Doney ASF, Drenos F, Edkins S, Eicher JD, Elosua R, Enroth S, Erdmann J, Eriksson P, Esko T, Evangelou E, Evans A, Fall T, Farral M, Felix JF, Ferrieres J, Ferrucci L, Fornage M, Forrester T, Franceschini H, Duran OHF, Franco-Cereceda A, Fraser RM, Ganesh SK, Gao H, Getow K, Gianfagna F, Gigante B, Giulianini F, Goel A, Goodall AH, Goodarzi MO, Gorski M, Gräßler J, Groves C, Gudnason V, Gyllensten U, Hallmans G, Hartikainen AL, Hassinen M, Havulinna AS, Hayward C, Hercberg S, Herzig KH, Hicks AA, Hingorani AD, Hirschhorn JN, Hofman A, Holmen J, Holmen OL, Hottenga JJ, Howard P, Hsiung CA, Hunt SC, Ikram MA, Illig T, Iribarren C, Jensen RA, Kahonen M, Kang H, Kathiresan S, Keating BJ, Khaw KT, Kim YK, Kim E, Kivimaki M, Klopp N, Kolovou G, Komulainen P, Kooner JS, Kosova G, Krauss RM, Kuh D, Kutalik Z, Kuusisto J, Kvaloy K, Lakka TA, Lee NR, Lee IT, Lee WJ, Levy D, Li X, Liang KW, Lin H, Lin L, Lindstrom J, Lobbens S, Mannisto S, Muller G, Muller-Nurasyid M, Mach F, Markus HS, Marouli E, McCarthy MI, McKenzie CA, Meneton P, Menni C, Metspalu A, Mijatovic V, Moilanen L, Montasser ME, Morris AD, Morrison AC, Mulas A, Nagaraja R, Narisu N, Nikus K, O’Donnell CJ, O’Reilly PF, Ong KK, Paccaud F, Palmer CD, Parsa A, Pedersen NL, Penninx BW, Perola M, Peters A, Poulter N, Pramstaller PP, Psaty BM, Quertermous T, Rao DC, Rasheed A, Rayner NWNWR, Renstrom F, Rettig R, Rice KM, Roberts R, Rose LM, Rossouw J, Samani NJ, Sanna S, Saramies J, Schunkert H, Sebert S, Sheu WH, Shin YA, Sim X, Smit JH, Smith AV, Sosa MX, Spector TD, Stancakova A, Stanton A, Stirrups KE, Stringham HM, Sundstrom J, Swift AJ, Syvanen AC, Tai ES, Taneka T, Tarasov KV, Teumer A, Thorsteinsdottir U, Tobin MD, Tremoli E, Uitterlinden AG, Uusitupa M, Vaez A, Vaidya D, van Duijn CM, van Ipersen EPA, Vasan RS, Verwoert GC, Virtamo J, Vitart V, Voight BF, Vollenweider P, Wagner A, Wain LV, Wareham NJ, Watkins H, Weder AB, Westra HJ, Wilks R, Wilsgaard T, Wilson JF, Wong TY, Yang TP, Yao J, Yengo L, Zhang W, Zhao JH, Zhu X, Bovet P, Copper RS, Mohlke KL, Saleheen D, Lee JY, Elliott P, Gierman HJ, Willer CJ, Franke L, Hovingh GK, Taylor KD, Dedoussis G, Sever P, Wong A, Lind L, Assimes TL, Niolstad I, Schwarz PE, Langenberg C, Snieder H, Caulfield MJ, Melander O, Laakso M, Saltevo J, Rauramaa R, Tuomilehto J, Ingelsson E, Lehtimaki T, Hveem K, Marz W, Kumari M, Salomaa V, Chen YI, Rotter JI, Froguel P, Jarvelin MR, Lakatta EG, Kuulasmaa K, Franks PW, Hamsten A, Wichmann HE, Palmer CAN, Stefansson K, Ridker PM, Loos RJF, Chakravarti A, Deloukas P, Morris AP, Newton-Cheh C, Munroe PB. The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nat Genet*. 2016;48(10):1171-1184.](https://www.ncbi.nlm.nih.gov/pubmed/27618452)
58. [Palmas W, Genesh SK, Tragante V, Guo W, Guo Y, Lanktree MB, Smith EN, Johnson T, Castillo BA, Barnard J, Baumert J, Chang YP, Elbers CC, Farrall M, Fischer ME, Franceschini N, Gaunt TR, Gho JM, Gieger C, Gong Y, Isaacs A, Kleber ME, Mateo Leach I, McDonough CW, Meijs MF, Mellander O, Molony CM, Notle IM, Padmanabhan S, Price TS, Rajagopalan R, Shaffer J, Shah S, Shen H, Soranzo N, van der Most PJ, Van Iperen EP, Van Setten J, Vonk JM, Zhang L, Beitelshees AL, Berenson GS, Bhatt DL, Boer JM, Boerwinkle E, Burkley B, Burt A, Chakravarti A, Chen W, Cooper-Dehoff RM, Curtis SP, Dreisbach A, Duggan D, Ehret GB, Fabsitz RR, Fornage M, Fox E, Furlong CE, Gansevoort RT, Hofker MH, Hovingh GK, Kirkland SA, Kottke-Marchant K, Kutlar A, Lacroix AZ, Langaee TY, Li YR, Lin H, Liu K, Maiwald S, Malik R; CARDIOGRAM, METASTROKE, Murugesan G, Newton-Cheh C, O’Connell JR, Onland-Moret NC, Ouwehand WH, Penninx BW, Pepine CJ, Pettinger M, Polak JF, Ramachandran VS, Ranchallis J, Redline S, Ridker PM, Rose LM, Scharnag H, Schork NJ, Shimbo D, Shuldiner AR, Srinivasan SR, Stolk RP, Taylor HA, Thorand B, Trip MD, van Duijn CM, Verschuren WM, Wijmenga C, Winkelmann BR, Wyatt S, Young JH, Boehm BO, Caulfield MJ, Chasman DI, Davidson KW, Doevendans PA, Fitzgerald GA, Gums JG, Hakonarson H, Hillege HL, Illig T, Jarvik GP, Johnson JA, Kastelein JJ, Koenig W; LifeLines Cohort Study, Marz W, Mitchell BD, Murray SS, Oldehinkel AJ, Rader DJ, Reilly MP, Reiner AP, Schadt EE, Silverstein RL, Snieder H, Stanton AV, Uitterlinden AG, van de Harst P, van der Schouw YT, Samani NJ, Johnson AD, Munroe PB, de Bakker PI, Zhu X, Levy D, Keating BJ, Asselbergs FW. Loci influencing blood pressure identified using a cardiovascular gene-centric array. *Hum Mol* *Genet*. 2013;22(8):1663-1678.](https://www.ncbi.nlm.nih.gov/pubmed/23303523)
59. [Palmas W, International Consortium for Blood Pressure Genome-Wide Association Studies, Ehret GB, Munroe PB, Rice KM, Bochud M, Johnson AD, Chasman DI, Smith AV, Tobin MD, Venwoert GC, Hwang SJ, Pihur V, Vollenweider P, O’Rielly PF, Amin N, Bragg-Gresham JL, Teurner A, Glazer NL, Launer L, Zhao JH, Aulchenko Y, Heath S, Sober S, Parsa A, Luan J, Arora P, Dehghan A, Zhang F, Lucas G, Hicks AA, Jackson AU, Peden JF, Tanaka T, Wild SH, Rudan I, Igl W, Milaneshi Y, Parker AN, Fava C, Chambers JC, Fox ER, Kumari M, Go MJ, van der Harst P, Kao WH, Sjogren M, Vinay DG, Alexander M, Tabara Y, Shaw-Hawkins S, Whincup PH, Liu Y, Shi G, Kuusisto J. Tayo B, Seielstad M, Sim X, Ngyen KD, Lehtimaki T, Matuilo G, Wu Y, Gaunt TR, Onland-Moret NC, Cooper MN, Platou CG, Org E, Hardy R, Dahgam S, Palmen J, Vitart V, Braund PS, Kuznetsova T, Uiterwaal CS, Adeyemo A, Campbell H, Ludwig B, Tomaszewski M, Tzoulaki I, Palmer ND; CARDIoGRAM consortium; CKDGen Consortium; KidneyGen Consortium; EchoGen consortium; CHARGE-HF consortium, Aspelund T, Garcia M, Chang YP, O’Connell JR, Steinle NI, Grobbee DE, Arking DE, Kardia SL, Morrison AC, Hernandez D, Naijar S, McArdle WL, Hadley D, Brown MJ, Connell JM, Hingorani AD, Day IN, Lawlor DA, Beilby JP, Lawrence RW, Clarke R, Hopewell JC, Ongen J, Dreisbach AW, Li Y, Young JH, Bis JC, Kahonen M, Viikari J, Adair LS, Lee NR, Chen MH, Olden M, Pattaro C, Bolton JA, Kottgen A, Bergmann S, Mooser V, Chaturvedi N, Frayling TM, Islam M, Jafar TH, Erdmann J, Kulkami SR, Bornstein SR, Grassler J, Groop L, Voight BF, Kettunen J, Howard P, Taylor A, Guarrera S, Ricceri F, Emilsson V, Plump A, Barroso I, Khaw KT, Weder AB, Hunt SC, Sun YV, Bergman RN, Collins FS, Bonnycastle LL, Scott LJ, Stringham HM, Peltonen L, Perola M, Vartiainen E, Brand SM, Staessen JA, Wang TJ, Burton PR, Soler Artigas M, Dong Y, Sneider H, Wang X, Zhu H, Lohman KK, Rudock ME, Heckbergt SR, Smith NL, Wiggins KL, Doumatey A, Shriner D, Veldre G, Viigimaa M, Kinra S, Prabhakaran D, Tripathy V, Langefeld CD, Rosengren A, Thelle DS, Corsi AM, Singleton A, Forrester T, Hilton G, McKenzie CA, Salako T, Iwai N, Kita Y, Ogihara T, Ohkubo T, Okamura T, Ueshima H, Umemura S, Evheramendy S, Meitinger T, Wichmann HE, Cho YS, Kim HL, Lee JY, Scott J, Sehmi JS, Zhang W, Hedblad B, Nilsson P, Smith GD, Wong A, Nansu N, Stancakova K, Raffel LJ, Yao J, Kathiresan S, O’Donnell CJ, Schwartz SM, Ikram MA, Longstreth WT Jr, Mosley TH, Seshadri S, Shrine NR, Wain LV, Morken MA, Swift AJ, Laitinen J, Prokopenko I, Zitting P, Cooper JA, Humphries SE, Danesh J, Rasheed A, Goel A, Hamsten A, Watkins H, Bakker SJ, van Gilst WH, Janipalli CS, Mani KR, Yajnik CS, Hofman A, Mattace-Raso FU, Oostra BA, Demirkan A, Isaacs A, Rivadeneira F, Lakatta EG, Orru M, Scuteri A, Ala-Korpela M, Kangas AJ, Lyytikainen LP, Soininen P, Tukiainen T, Wurtz P, Ong RT, Dorr M, Kroemer HK Volker U, Volzke H, Galan P, Hercberg S, Lathrop M, Zelenika D, Deloukas P, Mangino M, Spector TD, Zhai G, Meschia JF, Nalls MA, Sharma P, Terzic J, Kumar MV, Denniff M, Zukowska-Szczechowska E, Wagenknecht LE, Fowkes FG, Charchar FJ, Schwarz PE, Hayward C, Guo X, Rotimi C, Bots ML, Brand E, Samani NJ, Polasek O, Talmud PJ, Nyberg F, Kuh D, Laan M, Hveem K, Palmer LJ, van der Schouw YT, Casas JP, Mohlke KL, Vineis P, Raitakari O, Ganesh SK, Wong TY, Tai ES, Cooper RS, Laakso M, Rao DC, Harris TB, Morris RW, Dominiczak AF, Kivimaki M, Marmot MG, Miki T, Saleheen D, Chandak GR, Coresh J, Navis G, Salomaa V, Han BG, Zhu X, Kooner JS, Melander O, Ridker PM, Bandinelli S, Gyllensten UB, Wright AF, Wilson JE, Ferrucci L, Farrall M, Tuomilehto J, Pramstaller PP, Elosua R, Soranzo N, Sijbrands EJ, Altshuler D, Loos RJ, Shuldiner AR, Gieger C, Meneton P, Uitterlinden AG, Wareham NJ, Gudnason V, Rotter JI, Rettig R, Uda M, Strachan DP, Witteman JC, Hartikainen AL, Bechmann JS, Boerwinkle E, Vasan RS, Beohnke M, Larson MG, Jarvelin MR, Psaty, Abecasis GR, Bhakravarti A, Elliot P, van Duijn CM, Newton-Cheh C, Levy D, Caulfield MJ, Johnson T. Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. *Nature*. 2011;478(7367):103-109.](http://www.ncbi.nlm.nih.gov/pubmed/21909115)
60. [Palmas W, Liu C, Kraja AT, Smith JA, Brody JA, Franceschini N, Bis JC, Rice K, Morrison AC, Lu Y, Weiss S, Guo X, Martin LW, Chen YD, Surendran P, Drenos F, Cook JP, Auer PL, Chu AY, Giri A, Zhao W, Jakobsdottir J, Lin LA, Stafford JM, Amin N, Mei H, Yao J, Voorman A; CHD Exome+ Consortium; ExomeBP Consortium; GoT2DGenes Consortium; T2D-GENES Consortium, Lardson MG, Grove ML, Smith AV, Hwang SJ, Chen H, Huan T, Kosova G, Stitziel NO, Kathiresan S, Samani N, Schunkert H, Deloukas P; Myocardial Infarction Genetics and CARDIoGRAM Exome Consortia, Li M, Fuchsberger C, Pattaro C, Gorski M; CKDGen Consortium, Kooperberg C, Papanicolaou GJ, Rossouw JE, Faul JD, Kardia SL, Bouchard C, Raffel LJ, Uitterlinden AG, Franco OH, Vasan RS, O’Donnell CJ, Taylor KD, Liu K, Bottinger EP, Gottesman O, Daw EW, Giulianini F,Ganesh S, Salfati E, Harris TB, Launer LJ, Dorr M, Felix SB, Rettig R, Volzke H, Kim E, Lee WJ, Lee IT, Sheu WH, Tsosie KS, Edwards DR, Liu Y, Correa A, Weir DR, Volker U, Ridker PM, Boerwinkle E, Gudnason V, Reiner AP, van Duijn CM, Borecki IB, Edwards TL, Chakravarti A, Rotter JI, Psaty BM, Loos RJ, Fornage M, Ehret GB, Newton-Cheh C, Levy D, Chasman DI. Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. *Nat Genet*. 2016;48(10):1162-1170.](https://www.ncbi.nlm.nih.gov/pubmed/27618448)

1. [Palmas W, Ma S, Jacobs DR Jr, Arnett D, Jackson S, Olson J, Saad MF, Kronmal R, Kramer H, Barr RG. Ethnicity and sex modify the association of serum c-reactive protein with microalbuminuria. *Ethn Dis*. 2008;18(3):324-329.](http://www.ncbi.nlm.nih.gov/pubmed/18785447?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
2. [Palmas W, Ma S, Psaty B, Goff DC Jr, Darwin C, Barr RG. Antihypertensive medications and C-reactive protein in the multi-ethnic study of atherosclerosis. *Am J Hypertens.* 2007;20(3):233-241.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17324732&query_hl=1&itool=pubmed_docsum)
3. [Palmas W, Simino J, Shi G, Bis JC, Chasman DI, Ehret GB, Gu X, Guo X, Hwang SJ, Sijbrands E, Smith AV, Verwoert GC, Bragg-Gresham JL, Cadby G, Chen P, Cheng CY, Corre T, de Boer RA, Goel A, Johnson T, Khor CC; LifeLines Cohort Study, Lluis-Ganella C, Luan J, Lyytikainen LP, Nolte IM, Sim X, Sober S, van der Most PJ, Verweij N, Zhao JH, Amin N, Boerwinkle E, Bouchard C, Dehghan A, Eiriksdottir G, Elosua R, Franco OH, Gieger C, Harris TB, Hercberg S, Hofman A, James AL, Johnson AD, Kahonen M, Khaw KT, Kutalik Z, Larson MG, Launer LJ, Li G, Liu J, Liu K, Morrison AC, Navis G, Ong RT, Papanicolau GJ, Penninx BW, Psaty BM, Raffel LJ, Raitakari OT, Rice K, Rivadeneira F, Rose LM, Sanna S, Scott RA, Siscovick DS, Stolk RP, Uitterlinden AG, Vaidya D, van der Klauw MM, Vasan RS, Vithana EN, Volker U, Volzke H, Watkins H, Young TL, Aung T, Bochud M, Farrall M, Hartman CA, Laan M, Lakatta EG, Lehtimaki T, Loos RJ, Lucas G, Meneton P, Palmer LJ, Rettig R, Snieder H, Tai ES, Teo YY, van der Harst P, Wareham NJ, Wijmenga C, Wong TY, Fornage M, Gudnason V, Levy D, Ridker PM, Rotter JI, van Duijn CM, Witteman JC, Chakravarti A, Rao DC. Gene-age interactions in blood pressure regulation: a large-scale investigation with the CHARGE, Global BPgen, and ICBP Consortia. *Am* *J Hum Genet*. 2014;95(1):24-38.](https://www.ncbi.nlm.nih.gov/pubmed/24954895)
4. [Palmas W, Tragante V, Barnes MR, Ganesh SK, Lanktree MB, Guo W, Franceschini N, Smith EN, Johnson T, Homes MV, Padmanabhan S, Karczewski KJ, Almoguera B, Barnard J, Baumert J, Chang YP, Elbers CC, Farrall M, Fischer ME, Gaunt TR, Gho JM, Gieger C, Goel A, Gong Y, Isaacs A, Kleber ME, Mateo Leach I, McDonough CW, Meijs MF, Melander O, Nelson CP, Nolte IM, Pankratz N, Price TS, Shaffer J, Shah S, Tomaszewski M, van der Most PJ, Van Iperen EP, Vonk JM, Witkowska K, Wong CO, Zhang L, Beitelshees AL, Berenson GS, Bhatt DL, Brown M, Burt A, Cooper-DeHoff RM, Connell JM, Cruickshanks KJ, Curtis SP, Davey-Smith G, Delles C, Gansevoort RT, Guo X, Haiqing S, Hastie CE, Hofker MH, Hovingh GK, Kim DS, Kirkland SA, Klein BE, Klein R, Li YR, Maiwald S, Newton-Cheh C, O’Brien ET, Onland-Moret NC, Parsa A, Penninx BW, Pettinger M, Vasan RS, Ranchalis JE, M Ridker P, Rose LM, Sever P, Shimbo D, Steele L, Stolk RP, Thorand B, Trip MD, van Duijn CM, Verschuren WM, Wijmenga C, Wyatt S, Young JH, Zwinderman AH, Bezzina CR, Boerwinkle E, Casas JP, Caulfield MJ, Chakravarti A, Chasman DI, Davidson KW, Doevendans PA, Dominiczak AF, FitzGerald GA, Gums JG, Fornage M, Hakonarson H, Halder I, Hillege HL, Illig T, Jarvik GP, Johnson JA, Kastelein JJ, Koenig W, Kumari M, Marz W, Murray SS, O’Connell JR, Oldehinkel AJ, Pankow JS, Rader DJ, Redline S, Reilly MP, Schadt EE, Kottke-Marchant K, Snieder H, Snyder M, Stanton AV, Tobin MD, Uitterlinden AG, van der Harst P, van der Schouw YT, Samani NJ, Watkins H, Johnson AD, Reiner AP, Zhu X, de Bakker PI, Levy D, Asselbergs FW, Munroe PB, Keating BJ. Gene-centric meta-analysis in 87,736 individuals of European ancestry identifies multiple blood-pressure-related loci. *Am J Hum Genet*. 2014;94(3):349-360.](https://www.ncbi.nlm.nih.gov/pubmed/24560520)
5. [Palmas W, Wain LV, Vaez A, Jansen R, Joehanes R, van der Most PJ, Erzurumluoglu AM, O’Reilly PF, Cabrera CP, Warren HR, Rose LM, Verwoert GC, Hottenga JJ, Strawbridge RJ, Esko T, Arking DE, Hwang SJ, Guo X, Kutalik Z, Trompet S, Shrine N, Teumer A, Ried JS, Bis JC, Smith AV, Amin N, Nolte IM, Lyytikainen LP, Mahajan A. Wareham NJ, Hofer E, Joshi PK, Kristiansson K, Traglia M, Havulinna AS, Goel A, Nalls MA, Sober S, Vuckovic D, Luan J, Del Greco MF, Ayers KL, Marrugat J, Ruggiero D, Lopez LM, Niiranen T, Enroth S, Jackson AU, Nelson CP, Huffman JE, Zhang W, Marten J, Gandin I, Harris SE, Zemunik T, Lu Y, Evangelou E, Shah N, de Borst MH, Mangino M, Prins BP, Campbell A, Li-Gao R, Chauhan G, Oldmeadow C, Abecasis G, Abedi M, Barbieri CM, Barnes MR, Batini C, Beilby J, Blake T, Boehnke M, Bottinger EP, Braund PS, Brown M, Brumat M, Campbell H, Chambers JC, Cocca M, Collins F, Connell J, Cordell HJ, Damman JJ, Davies G, de Geus EJ, de Mutsert R, Deelen J, Demirkale Y, Doney ASF, Dorr M, Farrall M, Ferreira T, Franberg M, Gao H, Giedraitis V, Gieger C, Giulianni F, Gow AJ, Hamsten A, Harris TB, Hofman A, Holliday EG, Hui J, Jarvelin MR, Johansson A, Johnson AD, Jousilahti P, Jula A, Kahonen M, Kathiresan S, Khaw KT, Kocic I, Koskinen S, Langenberg C, Larson M, Launer LJ, Lehne B, Liewald DCM, Lin L, Lind L, Mach F, Mamasoula C, Menni C, Mifsud B, Milaneschi Y, Morgan A, Morris AD, Morrison AC, Munson PJ, Nandakumar P, Nguyen QT, Nutile T, Oldehinkel AJ, Oostra BA, Org E, Padmanabhan S, Palotie A, Pare G, Pattie A, Penninx BWJH, Poulter N, Pramstaller PP, Raitakari OT, Ren M, Rice K, Ridker PM, Riese H, Ripatti S, Robino A, Rotter JI, Rudan I, Saba Y, Saint Pierre A, Sala CF, Sarin AP, Schmidt R, Scott R, Seelen MA, Shields DC, Siscovick D, Sorice R, Stanton A, Stott DJ, Sundstrom J, Swertz M, Taylor KD, Thom S, Tzoulaki I, Tzourio C, Uitterlinden AG, Volker U, Vollenweider P, Wild S, Willemsen G, Wright AE, Yao J, Theriault S, Conen D, Attia J, Sever P, Debette S, Mook-Kanamori DO , Zeggini E, Spector TD, van der Harst P, Palmer CAN, Vergnaud AC, Loos RJF, Polasek O, Starr JM, Girotto G, Hayward C, Kooner JS, Lindgren Cm, Vitart V, Samani NJ, Tuomilehto J, Gyllensten U, Knekt P, Deary IJ, Ciullo M, Elosua R, Keavney BD, Hicks AA, Scott RA, Gasparini P, Laan M, Liu Y, Watkins H, Hartman CA, Salomaa V, Toniolo D, Perola M, Wilson JF, Schmidt H, Zhao JH, Lehtimaki T, van Duijn Cm, Gudnason V, Psaty Bm, Peters A, Rettig R, James A, Jukema JW, Strachan DP, Metspalu A, Ingelsson E, Boomsma DI, Franco OH, Bouchud M, Newton-Cheh C, Munroe PB, Elliot P, Chasman DI, Chakravarti A, Knight J, Morris AP, Levy D, Tobin MD, Snieder H, Caulfield MJ, Ehret GB. Novel Blood Pressure Locus and Gene Discovery Using Genome-Wide Association Study and Expression Data Sets From Blood and the Kidney. *Hypertension*. 2017. pii: HYPERTENSIONAHA.117.09438. doi: 10.1161/HYPERTENSIONAHA.117.09438.](https://www.ncbi.nlm.nih.gov/pubmed/28739976)
6. [Palmas W, Wain LV, Verwoert GC, O’Reilly PF, Shi G, Johnson T, Johnson AD, Bochud M, Rice KM, Henneman P, Smith AV, Ehret GB, Amin N, Larson MG, Mooser V, Hadley D, Door M, Bis JC, Aspelund T, Esko T, Janssens AC, Zhao JH, Heath S, Laan M, Fu J, Pistis G, Luan J, Arora P, Lucas G, Pirastu N, Pichler I, Jackson AU, Webster RJ, Zhang F, Peden JF, Schmidt H, Tanaka T, Campbell H, Igl W, Milaneschi Y, Hottenga JJ, Vitart V, Chasman DI, Trompet S, Bragg-Gresham JL, Alizadeh BZ, Chambers JC, Guo X, Lehtimaki T, Kuhnel B, Lopez LM, Polasek O, Boban M, Nelson CP, Morrison AC, Pihur V, Ganesh SK, Hofman A, Kundu S, Mattace-Raso FU, Rivadeneira F, Sijbrands EJ, Uitterlinden AG, Hwang SJ, Vasan RS, Wang TJ, Bergmann S, Vollenweider P, Waeber G, Laitinen J, Pouta A, Zitting P, McArdle WL, Kroemer HK, Volker U, Volzke H, Glazer NL, Taylor KD, Harris TB, Alavere H, Haller T, Keis A, Tammesoo ML, Aulchenko Y, Barroso I, Khaw KT, Galan P, Hercberg S, Lathrop M, Eyheramendy S, Org E, Sober S, Lu X, Nolte IM, Penninx BW, Corre T, Masciullo C, Sala C, Groop L, Voight BF, Melander O, O’Donnell CJ, Salomaa V, d’Adamo AP, Fabretto A, Faletra F, Ulivi S, Del Greco F, Facheris M, Collins FS, Bergman RN, Beilby JP, Hung J, Musk AW, Mangino M, Shin SY, Soranzo N, Watkins H, Goel A, Hamsten A, Gider P, Loitfelder M, Zeginigg M, Hernandez D, Naijar SS, Navarro P, Wild SH, Bodsi AM, Singleton A, de Geus EJ, Willemsen G, Parker AN, Rose LM, Buckley B, Stott D, Orru M, Uda M; Lifelines Cohort Study, van der Klauw MM, Zhang W, Li X, Scott J, Chen YD, Burke GL, Kahonen M, Viikari J, Doring A, Meitinger T, Davies G, Starr JM, Emilsson V, Plump A, Linderman JH, Hoen PA, Konig IR; EchoGen consortium, Felix JF, Clarke R, Hopewell JC, Ongen H, Breteler M, Debette S, Destefano AL, Fornage M; AortaGen Consortium, Mitchell GF; CHARGE Consortium Heart Failure Working Goup, Smith NL; KidneyGen consortium, Holm H, Stefansson K, Thorleifsson G, Thorsteinsdottir U; CKDGen consortium; Cardiogenics consortium; CardioGram, Samani NJ, Preuss M, Rudan I, Hayward C, Deary IJ, Wichmann HE, Raitakari OT, Kooner JS, Stolk RP, Jukema JW, Wright AF, Boomsma DI, Bandinelli S, Gyllensten UB, Wilson JF, Ferrucci L, Schmidt R, Farrall M, Spector TD, Palmer LJ, Tuomilehto J, Pfeufer A, Gasparini P, Siscovick D, Altshuler D, Loos RJ, Toniolo D, Snieder H, Gieger C, Meneton P, Wareham NJ, Oostra BA, Metspalu A, Launer L, Rettig R, Strachan DP, Beckmann JS, Witteman JC, Erdmann J, van Dijk KW, Boerwinkle E, Boehnke M, Ridker PM, Jarvelin MR, Chakravarti A, Abecasis GR, Gudnason V, Newton-Cheh C, Levy D, Munroe PB, Psaty BM, Caulfield MJ, Rao DC, Tobin MD, Elliot P, van Duijn CM. Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. *Nat Genet*. 2011;43(10):1005-1011.](http://www.ncbi.nlm.nih.gov/pubmed/21909110)
7. [Pan CW, Klein BE, Cotch MF, Shrager S, Klein R, Folsom A, Kronmal R, Shea SJ, Burke GL, Saw SM, Wong TY. Racial variations in the prevalence of refractive errors in the United States: the multi-ethnic study of atherosclerosis. *Am J Ophthalmol*. 2013;155(6):1129-1138.e1. doi: 10.1016/j.ajo.2013.01.009.](http://www.ncbi.nlm.nih.gov/pubmed/23453694)
8. [Pandey A, LaMonte M, Klein L, Ayers C, Psaty BM, Eaton CB, Allen NB, de Lemos JA, Carnethon M, Greenland P, Berry JD. Relationship Between Physical Activity, Body Mass Index, and Risk of Heart Failure. *J Am Coll Cardiol*. 2017;69(9):1129-1142.](https://www.ncbi.nlm.nih.gov/pubmed/28254175)
9. [Pandey A, Omar W, Ayers C, LaMonte M, Klein L, Allen NB, Kuller LH, Greenland P, Eaton CB, Gottdiener JS, Lloyd-Jones DM, Berry JD. Sex and Race Differences in Lifetime Risk of Heart Failure With Preserved Ejection Fraction and Heart Failure with Reduced Ejection Fraction. *Circulation*. 2018;137(17):1814-1823.](https://www.ncbi.nlm.nih.gov/pubmed/29352072)
10. [Pandey A, Patel KV, Vongpatanasin W, Ayers C, Berry JD, Mentz RJ, Blaha MJ, McEvoy JW, Muntner P, Vaduganathan M, Correa A, Butler J, Shimbo D, Nambi V, deFilippis C, Seliger SL, Ballantyne CM, Selvin E, de Lemos JA, Joshi PH. Incorporation of Biomarkers Into Risk Assessment for Allocation of Antihypertensive Medication According to the 2017 ACC/AHA High Blood Pressure Guideline: A Pooled Cohort Analysis. *Circulation*. 2019;140(25):2076-2088.](https://www.ncbi.nlm.nih.gov/pubmed/31707797)
11. [Pandey A, Segar MW, Jaeger BC, Patel KV, Nambi V, Ndumele CE, Correa A, Butler J, Chandra A, Ayers C, Rao S, Lewis AA, Raffield LM, Rodriguez CJ, Michos ED, Ballantyne CM, Hall ME, Mentz RJ, de Lemos JA. Development and Validation of Machine Learning-Based Race-Specific Models to Predict 10-Year Risk of Heart Failure: A Multicohort Analysis. *Circulation*. 2021;143(24):2370-2383.](https://pubmed.ncbi.nlm.nih.gov/33845593/)
12. [Pandey A, Vaduganathan M, Patel KV, Ayers C, Ballantyne CM, Kosiborod MN, Carnethon M, DeFilippi C, McGuire DK, Khan SS, Caughey MC, de Lemos JA, Everett BM. Biomarker-Based Risk Prediction of Incident Heart Failure in Pre-Diabetes and Diabetes. *JACC Heart Fail*. 2021;9(3):215-223.](https://pubmed.ncbi.nlm.nih.gov/33422434/)
13. [Pandey AK, Blaha MJ, Sharma K, Rivera J, Budoff MJ, Blankstein R, Al-Mallah M, Wong ND, Shaw L, Carr J, O’Leary D, Lima JA, Szklo M, Blumenthal RS, Nasir K. Family history of coronary heart disease and the incidence and progression of coronary artery calcification: Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2014;232(2):369-376.](http://www.ncbi.nlm.nih.gov/pubmed/24468150)
14. [Pang Y, Jones MR, Tellez-Plaza M, Guallar E, Vaidya D, Post WS, Kaufman JD, Delaney JA, Navas-Acien A. Association of Geography and Ambient Air Pollution with Urine Metal Concentrations in Six US Cities: The Multi-Ethnic Study of Atherosclerosis. *Int J Environ Res Public Health*. 2016;13(3).pii: E324, doi: 10.3390/ijerph13030324.](http://www.ncbi.nlm.nih.gov/pubmed/26999173)
15. [Pang Y, Peng RD, Jones MR, Francesconi KA, Goessler W, Howard BV, Umans JG, Best LG, Guallar E, Post WS, Kaufman JD, Vaidya D, Navas-Acien A. Metal mixtures in urban and rural populations in the US: The Multi-Ethnic Study of Atherosclerosis and the Strong Heart Study. *Environ Res*. 2016;147:356-364.](http://www.ncbi.nlm.nih.gov/pubmed/26945432)
16. [Pankow JS, Decker PA, Berardi C, Hanson NQ, Sale M, Tang W, Kanaya AM, Larson NB, Tsai MY, Wassel CL, Bielinski SJ. Circulating cellular adhesion molecules and risk of diabetes: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabet Med*. 2016;33(7):985-991.](http://www.ncbi.nlm.nih.gov/pubmed/26937608)
17. [Paramsothy P, Katz R, Owens DS, Burke GL, Probstfield JL, O’Brien KD. Age-modification of lipoprotein, lipid, and lipoprotein ratio-associated risk for coronary artery calcium (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2010;105(3):352-358.](http://www.ncbi.nlm.nih.gov/pubmed/20102947?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
18. [Paramsothy P, Katz R, Owens DS, Burke GL, Probstfield JL, O’Brien KD. Age Modification of the Association of Lipoprotein, Lipid, and Lipoprotein Ratio With Carotid Intima-Media Thickness (from the Multi-Ethnic Study of Atherosclerosis [MESA]. *Am J Cardiol*. 2012;109(5):658-664.](http://www.ncbi.nlm.nih.gov/pubmed/22154316)
19. [Paramsothy P, Knopp RH, Bertoni AG, Blumenthal RS, Wasserman BA, Tsai MY, Rue T, Wong ND, Heckbert SR. Association of combinations of lipid parameters with carotid intima-media thickness and coronary artery calcium in the MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2010;56(13):1034-1041.](http://www.ncbi.nlm.nih.gov/pubmed/20846602)
20. [Paramsothy P, Knopp R, Bertoni AG, Tsai MY, Rue T, Heckbert SR. Combined hyperlipidemia in relation to race/ethnicity, obesity, and insulin resistance in the Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2009;58(2):212-219.](http://www.ncbi.nlm.nih.gov/pubmed/19154954?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
21. [Paranjpe MD, Chaffin M, Zahid S, Ritchie S, Rotter JI, Rich SS, Gerszten R, Guo X, Heckbert S, Tracy R, Danesh J, Lander ES, Inouye M, Kathiresan S, Butterworth AS, Khera A. Neurocognitive trajectory and and proteomic signature of inherited risk for Alzheimer’s disease. *PLos Genet*. 2022;18(9):e1010294. doi: 10.1371/journal.pgen.1010294. eCollection 2022 Sep.](https://pubmed.ncbi.nlm.nih.gov/36048760/)
22. [Parcha V, Pampana A, Shetty NS, Irvin MR, Natarajan P, Lin HJ, Guo X, Rich SS, Rotter JI, Li P, Oparil S, Arora G, Arora P. Association of Multiancestry Genome-Wide Blood Pressure Polygenic Risk Score With Adverse Cardiovascular Events. *Circ Genom Precis Med*. 2022;15(6):e003946. doi: 10.1161/CIRCGEN.122.003946.](https://pubmed.ncbi.nlm.nih.gov/36334310/)
23. [Parikh MA, Aaron CP, Hoffman EA, Schwartz JE, Madrigano J, Austin JHM, Kalhan R, Lovasi G, Watson K, Stukovsky KH, Barr RG. Angiotensin-Converting Inhibitors and Angiotensin II Receptor Blockers and Longitudinal Change in Percent Emphysema on Computed Tomography. The Multi-Ethnic Study of Atherosclerosis Lung Study. *Ann Am Thorac Soc*. 2017;14(5):649-658.](https://www.ncbi.nlm.nih.gov/pubmed/28207279)
24. [Parikh NI, Lloyd-Jones DM, Ning H, Ouyang P, Polak JF, Lima JA, Bluemke D, Mittleman MA. Association of number of live births with left ventricular structure and function. The Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J.* 2012;163(3):470-476.](http://www.ncbi.nlm.nih.gov/pubmed/22424019)
25. [Park JW, Dulin AJ, Needham BL, Sims M, Loucks EB, Fava JL, Dionne LA, Scarpaci MM, Eaton CB, Howe CJ. Examining Optimism, Psychosocial Risks, and Cardiovascular Health Using Life’s Simple 7 Metrics in the Multi-Ethnic Study of Atherosclerosis and the Jackson Heart Study. *Front Cardiovasc Med*. 2021;8:788195. doi: 10.3389/fcvm.2021.788194. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34977194/)
26. [Park JW, Dullin AJ, Scarpaci MM, Dionne LA, Needham BL, Sims M, Kanaya AM, Kandula NR, Loucks EB, Fava JL, Eaton CB, Howe CJ. Examining the Relationship Between Multilevel Resilience Resources and Cardiovascular Disease Incidence, Overall and by Psychosocial Risks, Among Participants in the Jackson Heart Study, the Multi-Ethnic Study of Atherosclerosis, and the Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study. *Am J Epidemiol*. 2023;192(11):1864-1881.](https://pubmed.ncbi.nlm.nih.gov/37442807/)
27. [Park JW, Howe CJ, Dionne LA, Scarpaci MM, Needham BL, Sims M, Kanaya AM, Kandula NR, Fava JL Loucks EB, Eaton CB, Dulin AJ. Social support, psychosocial risks, and cardiovascular health: Using harmonized data from the Jackson Heart Study, Mediators of Atherosclerosis in South Asians Living in America Study, and Multi-Ethnic Study of Atherosclerosis. *SSM Popul Health*. 2022;20:101284. doi: 10.1016/j.ssmph.2022.101284.](https://pubmed.ncbi.nlm.nih.gov/36387018/)
28. [Park M, Shlipak MG, Katz R, Agarwal S, Ix JH, Hsu CY, Peralta CA. Subclinical cardiac abnormalities and kidney function decline: the multi-ethnic study of atherosclerosis. *Clin J Am Soc Nephrol*. 2012;7(7):1137 – 1144.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Subclinical+cardiac+abnormalities+and+kidney+decline)
29. [Park M, Shlipak MG, Vittinghoff E, Katz R, Siscovick D, Sarnak M, Lima JA, Hsu CY, Peralta CA. Associations of kidney injury markers with subclinical cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. *Clin Nephrol*. 2015;84(6):358-363.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Associations+of+kidney+injury+markers+with+subclinical+cardiovascular)
30. [Park SK, Adar SD, O’Neill MS, Auchincloss AH, Szpiro A, Bertoni AG, Navas-Acien A, Kaufman JD, Diez-Roux AV. Long-term exposure to air pollution and type 2 diabetes mellitus in a multiethnic cohort. *Am J Epidemiol*. 2015;181(5):327-336.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Long-term+exposure+to+air+pollution+and+type+2+diabetes+mellitus+in+a+multiethnic+cohort)
31. [Park SK, Auchincloss AH, O’Neill MS, Prineas R, Correa JC, Keeler J. Barr RG, Kaufman JD, Diez Roux AV. Particulate Air Pollution, Metabolic Syndrome, and Heart Rate Variability: the Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2010;118(10):1406-1411.](http://www.ncbi.nlm.nih.gov/pubmed/20529761)
32. [Parker DC, Wan M, Lohman K, Hou L, Nguyen AT, Ding J, Bertoni A, Shea S, Burke GL, Jacobs DR, Post W, Corcoran D, Hoeschele I, Parks JS, Liu Y. Monocyte miRNAs Are Associated With Type 2 Diabetes. *Diabetes*. 2022;71(4):853-861.](https://pubmed.ncbi.nlm.nih.gov/35073575/)
33. [Patel J, Al Rifai M, Blaha MJ, Budoff MJ, Post WS, Polak JF, Bluemke DA, Scheuner MT, Kronmal RA, Blumenthal RS, Nasir K, McEvoy JW. Coronary Artery Calcium Improves Cardiovascular Risk Assessment in Adults With a Family History of Premature Heart Disease: Results From Multiethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2015;8(6):e003186.doi:10.1161/CIRCIMAGING.115.003186.](http://www.ncbi.nlm.nih.gov/pubmed/26047825)
34. [Patel J, Al Rifai M, Cainzos-Achirica M, Kandula N, Kanaya AM, Khera A, Blumenthal RS, Nasir K, Blaha MJ, Joshi PH. Family History of CHD is Associated With Severe CAC in South Asians: Comparing the MASALA and MESA Studies. *JACC Cardiovasc* *Imaging*. 2017;10(8):958-960.](https://www.ncbi.nlm.nih.gov/pubmed/28797419)
35. [Patel J, Al Rifai M, Scheuner MT, Shea S, Blumenthal RS, Nasir K, Blaha MJ, McEvoy JW. Basic vs More Complex Definitions of Family History in the Prediction of Coronary Heart Disease: The Multi-Ethnic Study of Atherosclerosis. *May Clin Proc*. 2018;93(9):1213-1223.](https://www.ncbi.nlm.nih.gov/pubmed/29555305)
36. [Patel J, Mehta A, Al Rifai M, Blaha MJ, Nasir K, McEvoy JW, Pandey A, Kanaya AM, Kandula NR, Virani SS, Abbate A, Hundley G, Sperling L, Joshi PH. Hypertension guidelines and coronary artery calcification among South Asians: Results from MASALA and MESA. *Am J Prev Cardiol*. 2021;6:100158. doi: 10.1016/j.ajpc.2021.100158. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34327495/)
37. [Patel J, Pallazola VA, Dudum R, Greenland P, McEvoy JW, Blumenthal RS, Virani SS, Miedema MD, Shea S, Yeboah J, Abbate A, Hundley WG, Karger AB, Tsai MY Sathiyakumar V, Ogunmoroti O, Cushman M, Savji N, Liu K, Nasir K, Blaha MJ, Martin SS, Al Rifai M. Assessment of Coronary Artery Calcium Scoring to Guide Statin Therapy Allocation According to Risk-Enhancing Factors: The Multi-Ethnic Study of Atherosclerosis. *JAMA Cardiol*. 2021;6(10):1161-1170.](https://pubmed.ncbi.nlm.nih.gov/34259820/)
38. [Patel RB, Colangelo LA, Bielinski SJ, Larson NB, Ding J, Allen NB, Michos ED, Shah SJ, Lloyd-Jones D. Circulating Vascular Cell Adhesion Molecule-1 and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Heart Assoc*. 2020;9(22):e019390. doi: 10.1161/JAHA.120.019390.](https://pubmed.ncbi.nlm.nih.gov/33161805/)
39. [Patel RB, Freed BH, Beussink-Nelson L, Allen NB, Konety SH, Post WS, Yeboah J, Kitzman DW, Bertoni AG, Shah SJ. Associations of Cardiac Mechanics With Exercise Capacity: The Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2021;78(3):245-257.](https://pubmed.ncbi.nlm.nih.gov/33992746/)
40. [Patel RB, Ning H, de Boer IH, Kestenbaum B, Lima JAC, Mehta R, Allen NB, Shah SJ, Lloyd-Jones DM. Fibroblast Growth Factor 23 and Long-Term Cardiac Function: The Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2020;13(11):e011925. doi: 10.1161/CIRCIMAGING.120.011925.](https://pubmed.ncbi.nlm.nih.gov/33161733/)
41. [Patel RJS, Ding J, Marvel FA, Shan R, Plante TB, Blaha MJ, Post WS, Martin SS. Associations of Demographic Socioeconomic, and Cognitive Characteristics With Mobile Health Access: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2022;11(17):e024885. doi: 10.1161/JAHA.121.024885.](https://pubmed.ncbi.nlm.nih.gov/36056720/)
42. [Patton KK, Heckbert SR, Alonso A, Bahrami H, Lima JA, Burke G, Kronmal RA. N-terminal pro-B-type natriuretic peptide as a predictor of incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis: the effects of age, sex and ethnicity. *Heart*. 2013;99(24):1832-1836.](http://www.ncbi.nlm.nih.gov/pubmed/24131775)
43. [Payne EK, Neumann A, Direk N, Crawford AA, Mirza S, Adams H, Bolton J, Hayward C, Strachan DP, Smith JA, Milaneschi Y, Penninx B, Hottenga JJ, de Geus E, Oldehinkel AJ, van de Most PJ, de Rijke Y, Walker BR, Tiemeir H. The low single nucleotide polymorphism heritability of plasma and saliva cortisol levels. *Psychoneuroendocrinology*. 2017;85:88-95.](https://www.ncbi.nlm.nih.gov/pubmed/28843169)
44. [Pedde M, Larson TV, D’Souza J, Szpiro AA, Kloog I, Lisabeth LD, Jacobs D, Sheppard L, Allison M, Kaufman JD, Adar SD. Course Particulate Matter and Markers of Inflammation and Coagulation in the Multi-Ethnic Study of Atherosclerosis (MESA) Population: A Repeat Measures Analysis. *Environ Health Perspect*. 2024 Feb 21. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38381480/)
45. [Peljto AL, Blumhagen RZ, Walts AD, Cardwell J, Powers J, Corte TJ, Dickinson JL, Glaspole I, Moodley YP, Vasakova MK, Bendstrup E, Davidsen JR, Borie R, Crestani B, Dieude P, Bonella F, Costabel U, Gudmundsson G, Donnelly SC, Egan J, Henry MT, Keane MP, Kennedy MP, McCarthy C, McElroy AN, Olaniyi JA, O’Reilly KMA, Richeldi L, Leone PM, Poletti V, Puppo F, Tomassetti S, Luzzi V, Kokturk N, Mogulkoc N, Fiddler CA, Hirani N, Jenkins RG, Maher TM, Molyneaux PL, Parfrey H, Braybrooke R, Blackwell TS, Jackson PD, Nathan SD, Poreous MK, Brown KK, Christie JD, Collard HR, Eickelberg O, Foster EE, Gibson KF, Glassberg M, Kass DJ, Kropski JA, Lederer D, Linderholm AL, Lloyd J, Mathai SK, Montesi SB, Noth I, Oldham JM, Palmisciano AJ, Reichner CA, Rojas M, Roman J, Schluger N, Shea BS, Swigris JJ, Wolters PJ, Zhang Y, Prele CMA, Enghelmayer JI, Otaola M, Ryerson CJ, Salinas M, Sterclova M, Gebremariam TH, Myllarniemi M, Carbone RG, Furusawa H, Hirose M, Inoue Y, Miyazaki Y, Ohta K, Ohta S, Okamoto T, Kim DS, Pardo A, Selman M, Aranda AU, Park MS, Park JS, Wong JW, Molina-Molina M, Planas-Cerezales L, Westergren-Thorsson G, Smith AV, Manichaikul AW, Kim JS, Rich SS, Oelsner EC, Barr RG, Rotter JI, Dupuis J, O’Connor G, Vasan RS, Cho MH, Silverman EK, Schwarz MI, Steele MP, Lee JS, Yang IV, Fingerlin TE, Schwartz DA. Indiopathic Pulmonary Fibrosis Is Associated with Common Genetic Variants and Limited Rare Variants. *Am J Respir Crit Care Med*. 2023;207(9):1194-1202.](https://pubmed.ncbi.nlm.nih.gov/36602845/)
46. [Peloso GM, Hindy G, Dornbos P, Chaffin MD, Liu DJ, Wang M, Selvaraj MS, Zhang D, Park J, Aguilar-Salinas C, Antonacci-Fulton L, Ardissino D, Arnett DK, Aslibekyan S, Atzmon G, Ballantyne CM, Barajas-Olmos F, Barzilai N, Becker LC, Bielak LF, Bis JC, Blangero J, Boerwinkle E, Bonnycastle LL, Bottinger E, Bowden DW, Bown MJ, Brody JA, Broome JG, Burtt NP, Cade BE, Centeno-Cruz F, Chan E, Chang YC, Chen YDI, Cheng CY, Choi WJ, Chowdhury R, Contreras-Cubas C, Cordova EJ, Correa A, Cupples LA, Curran JE, Danesh J, de Vries PS, DeFonzo RA, Doddapaneni H, Duggirala R, Dutcher SK, Ellinor PT, Emery LS, Florez JC, Fornage M, Freedman BI, Fuster V, Garay-Sevilla ME, Garcia-Ortiz H, Germer S, Gibbs RA, Gieger C, Glaser B, Gonzalez C, Gonzalez-Villalpando ME, Graff M, Graham SE, Grarup N, Groop LC, Guo X, Gupta N, Han S, Hanis CL, Hansen T, He J, Heard-Gosta NL, Hung YJ, Hwang MY, Irvin MR, Islas-Andrade S, Jarvik GP, Kang HM, Kardia SLR, Kelly T, Kenny EE, Khan AT, Kim BJ, Kim RW, Kim YJ, Koistinen HA, Kooperberg C, Kuusisto J, Kwak SH, Laakso M, Lange LA, Lee J, Lee J, Lee S, Lehman DM, Lemaitre RN, Linneberg A, Liu J, Loos JFL, Lubitz SA, Lyssenko V, Ma RCW, Martin LW, Martinez-Hernandez A, Mathias RA, McGarvey ST, McPherson R, Meigs JB, Meitinger T, Melander O, Mendoza-Caamal E, Metcalf GA, Mi X, Mohlke KL, Montasser ME, Moon JY, Moreno-Macias H, Morrison AC, Muzny DM, Nelson SC, Nilsson PM, O’Connell JR, Orho-Melander M, Orozco L, Palmer CAN, Palmer ND, Park CJ, Park KS, Pedersen O, Peralta JM, Peyser PA, Post WS, Preuss M, Psaty BM, Qi Q, Rao DC, Redline S, Reiner AP, Revilla-Monsalve C, Rich SS, Samani N, Schunkert H, Schurmann C, Seo D, Seo JS, Sim X, Sladek, R, Small KS, So WY, Stilp AM, Tao ES, Tam CHT, Taylor KD, Teo YK, Thameem F, Tomlinson B, Tsai MY, Tuomi T, Tuomilehto J, Tusie-Luna T, Udler MS, van Dam RM, Vasan RS, Martinez KAV, Wang FF, Wang X, Watkins H, Weeks DE, Wilson JG, Witte DR, Wong TY, Yanek LR; AMP-T2D-GENES, Myocardial Infarction Genetics Consortium; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; NHLBI TOPMed Lipids Working Group; Kathiersan S, Radar DJ, Rotter JI, Boehnke M, McCarthy MI, Willer CJ, Natarajan P, Flannick JA, Khera AV. Rare coding variants in 35 genes associate with circulating lipid levels-A multi-ancestry analysis of 170,000 exomes. *Am J Hum Genet*. 2022;109(1):81-96.](https://pubmed.ncbi.nlm.nih.gov/34932938/)
47. [Peng AW, Dardari ZA, Blumenthal RS, Dzaye O, Obisesan OH, Uddin SMI, Nasir K, Blankstein R, Budoff MJ, Mortensen MB, Joshi PH, Page J, Blaha MJ. Very High Coronary Artery Calcium (>1000) and Association With Cardiovascular Disease Events, Non-Cardiovascular Disease Outcomes, and Mortality: Results From MESA. *Circulation*. 2021:143(16):1571-1583.](https://pubmed.ncbi.nlm.nih.gov/33650435/)
48. [Peplinski BS, Houston BA, Bluemke DA, Kawut SM, Kolb TM, Kronmal RA, Lima JAC, Ralph DD, Rayner SG, Steinberg ZL, Tedford RJ, Leary PJ. Associations of Angiopoientins With Heart Failure Incidence and Severity. *J Card Fail*. 2021;27(7):786-795.](https://pubmed.ncbi.nlm.nih.gov/33872759/)
49. [Peplinski B, McClelland R, Szklo M. Associations between socioeconomic status markers and depressive symptoms by race and gender: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Ann Epidemiol*. 2018;28(8)535-542.](https://www.ncbi.nlm.nih.gov/pubmed/29934242)
50. [Peralta CA, Adeney KL, Shlipak MG, Jacobs D Jr, Duprez D, Bluemke D, Polak J, Psaty B, Kestenbaum BR. Structural and Functional Vascular Alterations and Incident Hypertension in Normotensive Adults: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010;171(1):63-71.](http://www.ncbi.nlm.nih.gov/pubmed/19951938?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=3)
51. [Peralta CA, Chen TK, Katz R, Estrella MM, Gutierrez OM, Kramer H, Post WS, Shlipak MG, Wassel CL. Association Between APOL1 Genotypes and Risk of Cardiovascular Disease in MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2017;6(12). pii: e007199. doi: 10.1161/JAHA.117.007199.](https://www.ncbi.nlm.nih.gov/pubmed/29269352)
52. [Peralta CA, Jacobs DR Jr, Katz R, Ix JH, Mandero M, Duprez DA, Sarnak MJ, Criqui MH, Kramer HJ, Palmas W, Herrington D, Shlipak MG. Association of Pulse Pressure, Arterial Elasticity, and Endothelial Function With Kidney Function Decline Among Adults With Estimated GFR >60 mL/min/1.73 m(2): The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2012;59(1):41-49.](http://www.ncbi.nlm.nih.gov/pubmed/22000727)
53. [Peralta CA, Katz R, Bonventre JV, Sabbisetti V, Siscovick D, Sarnak M, Shlipak MG. Associations of Urinary Levels of Kidney Injury Molecule 1 (KIM-1) and Neutrophil Gelatinase-Associated Lipocalin (NGAL) With Kidney Function Decline in the Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2012;60(6):904-911.](http://www.ncbi.nlm.nih.gov/pubmed/22749388)
54. [Peralta CA, Katz R, Deboer I, Ix J, Sarnak M, Kramer H, Siscovick D, Shea S, Szklo M, Shlipak M. Racial and Ethnic Differences in Kidney Function Decline among Persons without Chronic Kidney Disease. *J Am Soc Nephrol*. 2011;22(7):1327-1334.](http://www.ncbi.nlm.nih.gov/pubmed/21700831)
55. [Peralta CA, Katz R, Madero M, Sarnak M, Kramer H, Criqui MH, Shlipak MG. The Differential Association of Kidney Dysfunction with Small and Large Arterial Elasticity: The Multiethnic Study of Atherosclerosis. *Am J Epidemiol*. 2009;169(6):740-748.](http://www.ncbi.nlm.nih.gov/pubmed/19131564?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
56. [Peralta CA, Katz R, Sarnak MJ, Ix J, Fried LF, De Boer I, Palmas W, Siscovick D, Levey AS, Shlipak MG. Cystatin C identifies chronic kidney disease patients at higher risk for complications. *J Am Soc Nephrol*. 2011;22(1):147-155.](http://www.ncbi.nlm.nih.gov/pubmed/21164029)
57. [Peralta CA, Li Y, Wassel C, Choudhry S, Palmas W, Seldin MF, Risch N, Siscovick D, Arnett D, Psaty B, Shlipak MG. Differences in Albuminuria between Hispanics and Whites: An Evaluation by Genetic Ancestry and Country of Origin: The Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Genet.* 2010;3(3):223-225.](http://www.ncbi.nlm.nih.gov/pubmed/20445135)
58. [Pereira NL, Shabani M, Wang M, Jenkins GD, Rotter JI, Rich SS, Batzler A, Taylor KD, Mychaleckyj JC, Liu D, Lima JAC. Myocardial Fibrosis and Cardiomyopathy Risk: A Genetic Link in the MESA. *Circ Heart Fail*. 2023;16(9):e010262. doi: 10.1161/CIRCHEARTFAILURE.122.010262.](https://pubmed.ncbi.nlm.nih.gov/37526028/)

1. [Perng W, Villamor E, Shroff MR, Nettleton JA, Pislner JR, Liu Y, Diez-Roux AV. Dietary intake, plasma homocysteine, and repetitive element DNA methylation in the Multi-Ethnic Study of Atherosclerosis (MESA). *Nutr Metab Cardiovasc Dis*. 2014;24(6)614-622.](http://www.ncbi.nlm.nih.gov/pubmed/24477006)
2. [Peters MN, Seliger SL, Christenson RH, Hong-Zohlman SN, Daniels LB, Lima JAC, de Lemos JA, Neeland IJ, deFilippi CR. “Malignant” Left Ventricular Hypertrophy Identifies Subjects at High Risk for Progression to Asymptomatic Left Ventricular Dysfunction, Heart Failure, and Death: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2018;7(4). pii: e006619. doi: 10.1161/JAHA.117.006619.](https://www.ncbi.nlm.nih.gov/pubmed/29437599)
3. [Pewowaruk R, Korcarz C, De Boer I, Kestenbaum B, Heckbert SR, Tedla YG, Gepner AD. Carotid Artery Stiffness Mechanisms Are Associated With End Organ Damage and All-Cause Mortality: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc*. 2023;12(7):027517. doi: 10.1161/JAHA.122.027517.](https://pubmed.ncbi.nlm.nih.gov/36974771/)
4. [Pewowaruk RJ, Korcarz C, Stein JH, Bluemke D, Tedla Y, Gepner AD. Methods of arterial stiffness calculation and cardiovascular disease events: the multiethnic study of atherosclerosis. *J Hypertens*. 2023;41(3):486-493.](https://pubmed.ncbi.nlm.nih.gov/36728257/)
5. [Pewowaruk RJ, Korcarz C, Tedla Y, Burke G, Greenland P, Wu C, Gepner AD. Carotid Artery Stiffness Mechanisms Associated With Cardiovascular Disease Events and Incident Hypertension: the Multi-Ethnic Study of Atherosclerosis (MESA). *Hypertension*. 2022;79(3):659-666.](https://pubmed.ncbi.nlm.nih.gov/35021857/)
6. [Pewowaruk R, Korcarz C, Tedla Y, Mitchell C, Gepner A. Carotid Artery Stiffness Mechanisms in Hypertension and Their Association with Echolucency and Texture Features: The Multi-ethnic Study of Atherosclerosis (MESA). *Ultrasound Med Biol*. 2022;48(11):2249-2257.](https://pubmed.ncbi.nlm.nih.gov/35987736/)
7. [Pewowaruk RJ, Tedla Y, Korcarz CE, Tattersall MC, Stein JH, Chesler NC, Gepner AD. Carotid Artery Stiffening With Aging: Structural Versus Load-Dependent Mechanisms in MESA (the Multi-Ethnic Study of Atherosclerosis). *Hypertension*. 2022;79(1):150-158.](https://pubmed.ncbi.nlm.nih.gov/34775788/)

1. [Pezel T, Ambale Venkatesh B, Doria De Vasconcellos H, Kato Y, Post WS, Wu CO, Heckbert SR, Bluemke DA, Cohen-Solal A, Logeart D, Henry P, Lima JAC. Determinants of left atrioventricular coupling index: The Multi-Ethnic Study of Atherosclerosis (MESA).](https://pubmed.ncbi.nlm.nih.gov/35906156/) *[Arch Cardiovasc Dis](https://pubmed.ncbi.nlm.nih.gov/35906156/)*[. 2022;115(8-9):414-425.](https://pubmed.ncbi.nlm.nih.gov/35906156/)
2. [Pezel T, Ambale Venkatesh B, De Vasconcellos HD, Kato Y, Shabani M, Xie E, Heckbert SR, Post WS, Shea SJ, Allen NB, Watson KE, Wu CO, Bluemke DA, Lima JAC. Left Atrioventricular Coupling Index as a Prognostic Marker of Cardiovascular Events: The MESA Study. *Hypertension*. 2021;78(3):661-671.](https://pubmed.ncbi.nlm.nih.gov/34225471/)
3. [Pezel T, Ambale Venkatesh B, Kato Y, De Vasconcellos HD, Heckbert SR, Wu CO, Post WS, Bluemke DA, Cohen-Solal A, Henry P, Lima JAC. Left Atrioventricular Coupling Index to Predict Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. *Front Cardiovasc Med*. 2021;8:704611. doi: 10.3389/fcvm.2021.704611. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34540915/)
4. [Pezel T, Ambale-Venkatesh B, Quinaglia T, Heckbert SR, Kato Y, Doria de Vasconcellos H, Wu CO, Post WS, Henry P, Bluemke DA, Lima JAC. Change in Left Atrioventricular Coupling Index to Predict Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA). *Radiology*. 2022;303(2):317-326.](https://pubmed.ncbi.nlm.nih.gov/35191736/)
5. [Pezel T, Bluemke DA, Wu CO, Lima JAC, Ambale Venkatesh B. Regional Strain Score as Prognostic Marker of Cardiovascular Events From the Multi-Ethnic Study of Atherosclerosis (MESA). *Front Cardiovasc Med*. 2022;9:870942. doi: 10.3389/fcvm.2022.870942. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35647063/)
6. [Pezel T, Michos ED, Varadarajan V, Shabani M, Ambale-Venkatesh B, Vaidya D, Kato Y, De Vasconcellos HD, Heckbert SR, Wu CO, Post WS, Bluemke DA, Allison MA, Henry P, Lima JAC. Prognostic value of a left atrioventricular coupling index in pre- and post-menopausal women from the Multi-Ethnic Study of Atherosclerosis. *Front Cardiovasc Med*. 2022;9:1066849. doi: 10.3389/fcvm.2022.1066849. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/36479563/)
7. [Pike MM, Larson NB, Wassel CL, Cohoon KP, Tsai MY, Pankow JS, Hanson NQ, Decker PA, Berardi C, Alexander KS, Cushman M, Zakai NA, Bielinski SJ. ABO blood group is associated with peripheral arterial disease in African Americans: The Multi-Ethnic Study of Atherosclerosis (MESA). *Thromb Res*. 2017;153:1-6.](https://www.ncbi.nlm.nih.gov/pubmed/28267600)

1. [Pinto RC, Karaman I, Lewis MR, Hallqvist J, Kaluarachchi M, Graca G, Chekmeneva E, Durainayagam B, Ghanbari M, Ikram MA, Zetterberg H, Griffin J, Elliott P, Tzoulaki I, Dehghan A, Herrington D, Ebbels T. Finding Correspondence between Metabolomic Features in Untargeted Liquid Chromatography-Mass Spectrometry Metabolomics Datasets.](https://pubmed.ncbi.nlm.nih.gov/35360896/) *[Anal Chem](https://pubmed.ncbi.nlm.nih.gov/35360896/)*[. 2022;94(14):5493-5503.](https://pubmed.ncbi.nlm.nih.gov/35360896/)
2. [Pisaniello AD, Alfaddagh A, Tibuakuu M, Whelton SP, Czarny MJ, Blaha MJ, Tsai MY, Budoff MJ, Shea S, Allison MA, Post WS. Association Between Omega-3 Fatty Acid Levels and Aortic Valve Calcium (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2022;184:104-110.](https://pubmed.ncbi.nlm.nih.gov/36127180/)
3. [Pishgar F, Shabani M, Quinaglia A C Silva T, Bluemke DA, Budoff M, Barr RG, Allison MA, Bertoni AG, Post WS, Lia JAC, Demehri S. Adipose tissue biomarkers and type 2 diabetes incidence in normoglycemic participants in the MESArthritis Ancillary Study: A cohort study. *PLoS Med*. 2021;18(7):e1003700. doi: 10.1371/journal.pmed.1003700. eCollection 2021 Jul.](https://pubmed.ncbi.nlm.nih.gov/34242221/)
4. [Pishgar F, Shabani M, Quinaglia A.C. Silva T, Bluemke DA, Budoff M, Barr RG, Allison MA, Post WS, Lima JAC, Demehri S. Quantitative Analysis of Adipose Depots by Using Chest CT and Associations with All-Cause Mortality in Chronic Obstructive Pulmonary Disease: Longitudinal Analysis from MESArthritis Ancillary Study. *Radiology*. 2021;299(3):703-711.](https://pubmed.ncbi.nlm.nih.gov/33825508/)
5. [Pletcher MJ, Sibley CT, Pignone M, Vittinghoff E, Greenland P. Interpretation of the Coronary Artery Calcium Score in Combination With Conventional Cardiovascular Risk Factors: The Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*. 2013;128(10):1076-1084.](http://www.ncbi.nlm.nih.gov/pubmed/23884352)
6. [Podolanczuk AJ, Oelsner EC, Barr RG, Bernstein EJ, Hoffman EA, Easthausen IJ, Stukovsky KH, RoyChoudhury A, Michos ED, Raghu G, Kawut SM, Lederer DJ. High-Attenuation Areas on Chest Computed Tomography and Clinical Respiratory Outcomes in Community-Dwelling Adults. *Am J Respir Crit Care Med*. 2017;196(11):1434-1442.](https://www.ncbi.nlm.nih.gov/pubmed/28613921)
7. [Podolanczuk AJ, Oelsner EC, Barr RG, Hoffman EA, Armstrong HF, Austin JH, Basner RC, Bartels MN, Christie JD, Enright PL, Gochuico BR, Hinckley Stukovsky K, Kaufman JD, Hrudaya Nath P, Newell JD Jr, Palmer SM, Rabinowitz D, Raghu G. Sell JL, Sieren J. Sonavane SK, Tracy RP, Watts JR, Williams K, Kawut SM, Lederer DJ. High attenuation areas on chest computed tomography in community-dwelling adults: the MESA study. *Eur Respir J*. 2016;48(5):1442-1452.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Podolanczuk+AJ)
8. [Podolanczuk AJ, Raghu G, Tsai MY, Kawut SM, Peterson E, Sonti R, Rabinowitz D, Johnson C, Barr RG, Hinckley Stukovsky K, Hoffman EA, Carr JJ, Ahmed FS, Jacobs DR, Watson K, Shea SJ, Lederer DJ. Cholesterol, lipoproteins and subclinical interstitial lung disease: the MESA study. *Thorax*. 2017;72(5):472-474.](https://www.ncbi.nlm.nih.gov/pubmed/28130491)
9. [Polak JF, Gijsberts GM, Groenewegen KA, Hoefer IE, Eijkemans MJ, Asselbergs FW, Anderson TJ, Britton AR, Dekker JM, Engstrom G, Evens GW, de Graaf J, Grobbee DE, Hedblad B, Holewijn S, Ikeda A, Kitagawa K, Kitamura A, de Kleijn DP, Lonn Em, Lorenz MW, Mathiesen EB, Nijpels G, Okazaki S, O’Leary DH, Pasterkamp G, Peters SA, Price JF, Robertson C, Rembold CM, Rosvall M, Rundek T, Salonen JT, Sitzer M, Stehouwer CD, Bots ML, de Ruijter HM. Race/Ethnic Differences in the Associations of the Framingham Risk Factors with Carotid IMT and Cardiovascular Events. *PLoS One*. 2015;10(7):e0132321. doi: 10.1371/journal.pone.0132321. eCollection 2015.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Race%2FEthnic+Differences+in+the+Associations+of+the+Framingham+Risk+Factors)
10. [Polak JF, Groenewegen KA, de Ruijter HM, Pasterkamp G, Bots ML, Peters SA. Vascular age to determine cardiovascular disease risk: A systematic review of its concepts, definitions, and clinical applications. *Eur J* *Prev Cardiol*. 2016;23(3):264-274.](https://www.ncbi.nlm.nih.gov/pubmed/25609227)
11. [Polak JF, Herrington D, O’Leary DH. Associations of edge-detected and manual-traced common carotid artery intima-media thickness with incident peripheral artery disease: The Multi-Ethnic Study of Atherosclerosis. *Vasc Med*. 2019;24(4):306-312.](https://www.ncbi.nlm.nih.gov/pubmed/31023166)
12. [Polak JF, Johnson C, Harrington A, Wong Q, O’Leary DH, Burke G, Yanez ND. Changes in carotid intima-media thickness during the cardiac cycle: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2012;1(4):e001420. doi: 10.1161/JAHA.112.001420.](http://www.ncbi.nlm.nih.gov/pubmed/23130162)
13. [Polak JF, O’Leary DH. Edge-detected common carotid artery intima-media thickness and incident coronary heart disease in the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2015;4(6):e001492. doi: 10.1161/JAHA.114.001492.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Edge-detected+common+carotid+artery+intima-media+thickness+and+incident+coronary+heart+disease)
14. [Polak JF, Ouyang P, Vaidya D. Total brachial artery reactivity and first time incident coronary heart disease events in a longitudinal cohort study: The multi-ethnic study of atherosclerosis. *PLoS One*. 2019;14(4):e0211726. doi: 10.1371/journal.pone.0211726. eCollection 2019.](https://www.ncbi.nlm.nih.gov/pubmed/30969969)
15. [Polak JF, Pencina MJ, Herrington D, O’Leary DH. Associations of edge-detected and manual-traced common carotid intima-media thickness measurements with framingham risk factors: the multi-ethnic study of atherosclerosis. *Stroke*. 2011;42(7):1912-1916.](http://www.ncbi.nlm.nih.gov/pubmed/21546477)
16. [Polak JF, Pencina MJ, O’Leary Dh, D’Agostino RB. Common carotid artery intima-media thickness progression as a predictor of stroke in multi-ethnic study of atherosclerosis. *Stroke*. 2011;42(11):3017-3021.](http://www.ncbi.nlm.nih.gov/pubmed/21885840)
17. [Polak JF, Post WS, Carr JJ, Szklo M, O’Leary DH. Associations of common carotid intima-media thickness with coronary heart disease risk factors and events vary with distance from the carotid bulb. *J Am Soc Echocardiogr*. 2014;27(9):991-997.](http://www.ncbi.nlm.nih.gov/pubmed/24944141)
18. [Polak JF, Sacco RL, Post WS, Vaidya D, Arnan MK, O’Leary DH. Incident stroke is associated with common carotid artery diameter and not common carotid artery intima-media thickness. *Stroke*. 2014;45(5):1442-1446.](http://www.ncbi.nlm.nih.gov/pubmed/24643408)
19. [Polak JF, Szklo M, Kronmal RA, Burke GL, Shea S, Zavodni AE, O’Leary DH. The value of carotid artery plaque and intima-media thickness for incident cardiovascular disease: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2013;2(2):e000087. doi: 10.1161/JAHA. 113.000087.](http://www.ncbi.nlm.nih.gov/pubmed/23568342)
20. [Polak JF, Szklo M, O’Leary DH. Associations of Coronary Heart Disease with Common Carotid Artery and Far Wall Intima-Media Thickness: The Multi-Ethnic Study of Atherosclerosis. *J Am Soc Echocardiogr*. 2015;28(9):1114-1121.](https://www.ncbi.nlm.nih.gov/pubmed/25944425)
21. [Polak JF, Szklo M, O’Leary DH. Carotid Intima-Media Thickness Score, Positive Coronary Artery Calcium Score, and Incident Coronary Heart Disease: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2017;6(1). pii: e004612. doi: 10.1161/JAJA. 116.004612.](https://www.ncbi.nlm.nih.gov/pubmed/28110311)
22. [Polak JF, Tracy R, Harrington A, Zavodni AE, O’Leary DH. Carotid Artery Plaque and Progression of Coronary Artery Calcium: The Multi-Ethnic Study of Atherosclerosis. *J Am Soc Echocardiogr*. 2013;26(5):548-555.](http://www.ncbi.nlm.nih.gov/pubmed/23522805)
23. [Polak JF, Wong Q, Johnson WC, Bluemke DA, Harrington A, O’Leary DH, Yanez ND. Associations of cardiovascular risk factors, carotid intima-media thickness and left ventricular mass with inter-adventitial diameters of the common carotid artery: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2011;218(2):344-349.](http://www.ncbi.nlm.nih.gov/pubmed/21726862)
24. [Polonsky TS, McClelland RL, Jorgensen NW, Bild DE, Burke GL, Guerci AD, Greenland P. Coronary Artery Calcium Score and Risk Classification for Coronary Heart Disease Prediction. *JAMA* 2010;303(16):1610-1616.](http://www.ncbi.nlm.nih.gov/pubmed/20424251)
25. [Polonsky TS, Ning H, Daviglus ML, Liu K, Burke GL, Cushman M, Eng J, Folsom AR, Lutsey PL, Nettleton JA, Post WS, Sacco RL, Szklo M, Lloyd-Jones DM. Association of Cardiovascular Health With Subclinical Disease and Incident Events: The Multi-Ethnic Study of Atherosclerosis. J Am Heart Assoc. 2017;6(3). pii: e004894. doi: 10.1161/JAHA/ 116.004894.](https://www.ncbi.nlm.nih.gov/pubmed/28320747)
26. [Poor HD, Kawut SM, Liu CY, Smith BM, Hoffman EA, Lima JA, Ambale-Venkatesh B, Michos ED, Prince MR, Barr RG. Pulmonary hyperinflation due to gas tapping and pulmonary artery size: The MESA COPD Study. *PLoS One*. 2017;12(5):e0176812. doi: 10.1371/journal.pone.0176812. eCollection 2017.](https://www.ncbi.nlm.nih.gov/pubmed/28463971)
27. [Poplawski K, Gould T, Setton E, Allen R, Su J, Larson T, Henderson S, Brauer M, Hystad P, Lightowlers C, Keller P, Cohen M, Silva C, Buzzelli M. Intercity transferability of land use regression models for estimating ambient concentrations of nitrogen dioxide. *J Expo Sci Environ Epidemiol*. 2009;19(1):107-117.](http://www.ncbi.nlm.nih.gov/sites/entrez)
28. [Post WS, Watson KE, Hansen S, Folsom A, Szklo M, Shea S, Barr RG, Burke G, Bertoni AG, Allen N, Pankow JS, Lima JAC, Rotter JI, Kaufman JD, Johnson WC, Kronmal RA, Diez-Roux AV, McClelland RL. Racial and Ethnic Differences in All-Cause and Cardiovascular Disease Mortality: The MESA Study. *Circulation*. 2022;146(3):229-239.](https://pubmed.ncbi.nlm.nih.gov/35861763/)
29. [Pottinger TD, Jackson VE, Latourelle JC, Wan LV, Smith AV, Grove ML, Bartz TM, Obeidat M, Province MA, Gao W, Qaiser B, Porteous DJ, Cassano PA, Ahluwalia TS, Grarup N, Li J, Altmaier E, Marten J, Harris SE, Manichaikul A, Li-Gao R, Lind-Thomsen A, Mahajan A, Lahousse L, Imboden M, Teumer A, Prins B, Lyytikainen LP, Eriksdottir G, Franceschini N, Sitlani CM, Brody JA, Bosse Y, Timens W, Kraja A, Loukola A, Tang W, Liu Y, Bork-Jensen J, Justesen JM, Linneberg A, Lange LA Rawal R, Karrasch S, Huffman JE, Smith BH, Davies G, Burkart KJM, Mychaleckyj JC, Bonten TN, Enroth S, Lind L, Brusselle GG, Kumar A, Stubbe B; Understanding Society Scientific Group, Kahonen M, Wyss AB, Psaty BM, Heckbert SR, Hao K, Rantanen T, Kirtchevsky BB, Lohman K, Skaaby T, Pisinger C, Hansen T, Schulz H, Polasek O, Campbell A, Starr JM, Rich SS, Mook-Kanamori DO, Johansson A, Ingelsson E, Uittelinden AG, Weiss S, Raitakari OT, Gudnason V, North KE, Gharib SA, Sin DD, Taylor KD, O’Connor GT, Kaprio J, Harris JB, Pederson O, Vestergaard H, Wilson JG, Strauch K, Hayward C, Kerr S, Deary IJ, Barr RG, de Mutsert R, Gyllensten U, Morris AP, Ikram MA, Probst-Hensch N, Glaser S, Zeggini E, Lehtimaki T, Strachan DP, Dupuis J, Morrison AC, Hall IP, Tobin MD, London SJ. Meta-analysis of exome array data identifies six novel genetic loci for lung function. *Wellcome Open Res*. 2018;3:4. doi: 10.12688/welcomeopenres.12583.3. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/30175238)
30. [Powell R, Davidson D, Divers J, Manichaikul A, Carr JJ, Detrano R, Hoffman EA, Jiang R, Kronmal RA, Liu K, Punjabi NM, Shahar E, Watson KE, Rotter JI, Taylor KD, Rich SS, Barr RG. Genetic ancestry and the relationship of cigarette smoking to lung function and per cent emphysema in four race/ethnic groups: a cross-sectional study. *Thorax*. 2013;68(7):634-642.](http://www.ncbi.nlm.nih.gov/pubmed/23585509)
31. [Powell-Wiley TM, Moore K, Allen N, Block R, Evenson KR, Mujahid M, Diez Roux AV. Associations of Neighborhood Crime and Safety and with Changes in Body Mass Index and Waist Circumference: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2017;186(3):280-288.](https://www.ncbi.nlm.nih.gov/pubmed/28472256https:/www.ncbi.nlm.nih.gov/pubmed/28472256)
32. Pradella M, Baraboo JJ, Maroun A, Liu SZ, DiCarlo AL,Chu SH, Hwang JM, Collins MA, Passman R, Heckbert SR, Greenland P, Markl M. Associations between 3D-based Left Atrial Volumetric and Blood Flow Parameters in a Single-Site Cohort of the Multi-Ethnic Study of Atherosclerosis. *Radiology: Cardiothoracic Imaging*. (In press)
33. [Prasada S, Shah SJ, Michos ED, Polak JF, Greenland P. Ankle-brachial index and incident heart failure with reduced versus preserved ejection fraction: The Multi-Ethnic Study of Atherosclerosis. *Vasc Med*. 2019;24(6):501-510.](https://www.ncbi.nlm.nih.gov/pubmed/31480898)
34. [Premyodhin N, Fan W, Arora M, Budoff MJ, Kanaya AM, Kandula N, Palaniappan L, Rana JS, Younus M, Wong MD. Association of diabetes with coronary artery calcium in South Asian adults and other race/ethnic groups: The multi-ethnic study of atherosclerosis and the mediators of atherosclerosis in South Asians living in America study. *Diab Vasc Dis Res*. 2023;20(5):14791641231204368. doi: 10.1177/14791641231204368.](https://pubmed.ncbi.nlm.nih.gov/37795703/)
35. [Pirruccello JP, Bick A, Wang M, Chaffin M, Friedman S, Yao J, Guo X, Venkatesh BA, Taylor KD, Post WS, Rich S, Lima JAC, Rotter JI, Philippakis A, Lubitz SA, Ellinor PT, Khera AV, Kathiresan S, Aragam KG. Analysis of cardiac magnetic resonance imaging in 36,000 individuals yields genetic insights into dilated cardiomyopathy. *Nat Commun*. 2020;11(1):2254. doi: 10.1038/s41467-020-15823-7.](https://www.ncbi.nlm.nih.gov/pubmed/32382064)
36. [Pritchard JK, Patel RA, Musharoff SA, Spence JP, Pimentel H, Tcheandjieu C, Mostafavi H, Sinnott-Armstrong N, Clarke SL, Smith CJ; V.A. Million Veteran Program; Durda PP, Taylor KD, Tracy R, Liu Y, Johnson WC, Aguet F, Ardlie KG, Gabriel S, Smith J, Nickerson DA, Rich SS, Rotter JI, Tsao PS, Assimes TL. Genetic interactions drive heterogeneity in causal variant effect sizes for gene expression and complex traits. *Am J Hum Genet*. 2022;109(7):1286-1297.](https://pubmed.ncbi.nlm.nih.gov/35716666/)
37. [Psaty BM, Arnold AM, Olson J, Saad MF, Shea S, Post W, Burke GL. Association Between Levels of Blood Pressure and Measures of Subclinical Disease Multi-Ethnic Study of Atherosclerosis. *Am J Hypertens.* 2006;19(11):1110-1117.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17070420&query_hl=4&itool=pubmed_docsum)
38. [Qi L, Qi Q, Kilpelainen TO, Downer MK, Tanaka T, Smith CE, Sluijs I, Sonestedt E, Chu AY, Renstrom F, Lin X, Angquist LH, Huang J, Liu Z, Li Y, Asif Ali M, Xu M, Ahluwalia TS, Boer JM, Chen P, Daimon M, Eriksson J, Perola M, Friedlander Y, Gao YT, Heppe DH, Holloway JW, Houston DK, Kanoni S, Kim YM, Laaksonen MA, Jaaskelainen T, Lee NR, Lehtimaki T, Lemaitre RN, Lu W, Luben RN, Manichaikul A, Mannisto S, Marques-Vidal P, Monda KL, Ngwa JS, Perusse L, van Rooij FJ, Xiang YB, Wen W, Wojczynski MK, Zhu J, Borecki IB, Bouchard C, Cai Q, Cooper C, Dedoussis GV, Deloukas P, Ferrucci L, Forouhi NG, Hansen T, Christiansen L, Hofman A, Johansson I, Jorgensen T, Karasawa S, Khaw KT, Kim MK, Kristiansson K, Li H, Lin X, Lohman KK, Long J, Mikkila V, Mozaffarian D, North K, Pedersen O, Raitakari O, Rissanen H, Tuomilehto J, van der Schouw YT, Uitterlinden AG, Zillikens MC, Franco OH, Shyong Tai E, Ou Shu X, Siscovick DS, Toft U, verschuren WM, Vollenwider P, Wareham NJ, Witteman JC, Zheng W, Ridker PM, Kang JH, Liang L, Jensen MK, Curhan GC, Pasquale LR, Hunter DJ, Mohlke KL, Uusitupa M, Cupples LA, Rankinen T, Orho-Melander M, Wang T, Chasman DI, Franks PW, Sorensen TI, Loos RJ, Nettleton JA. FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. *Hum* *Mol Genet*. 2014;23(25):6961-6972.](https://www.ncbi.nlm.nih.gov/pubmed/25104851)
39. [Quaye E, Galecki AT, Tilton N, Whitney R, Briceno EM, Elkind MSV, Fitzpatrick AL, Gottesman RF, Griswold M, Gross AL, Heckbert SR, Hughes TM, Longstreth Jr WT, Sacco RL, Sidney S, Windham BG, Yaffe K, Levine DA. Association of Obesity With Cognitive Decline in Black and White Americans. *Neurology*. 2023;100(2):e220-e231. doi: 10.1212/WNL.0000000000201367.](https://pubmed.ncbi.nlm.nih.gov/36257719/)
40. [Quispe R, Martin SS, Michos ED, Lamba I, Blumenthal RS, Saeed A, Lima J, Puri R, Nomura S, Tsai M, Wilkins J, Ballantyne CM, Nicholls S, Jones SR, Elshazly MB. Remnant cholesterol predicts cardiovascular disease beyond LDL and ApoB: a primary prevention study. *Eur Heart J*. 2021;42(42):4324-4332.](https://pubmed.ncbi.nlm.nih.gov/34293083/)
41. [Qureshi WT, Michos ED, Flueckiger P, Blaha M, Sandfort V, Herrington DM, Burke G, Yeboah J. Impact of Replacing the Pooled Cohort Equation With other Cardiovascular Disease Risk Scores on Atherosclerotic Cardiovascular Disease Risk Assessment (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2016;118(5):691-696.](http://www.ncbi.nlm.nih.gov/pubmed/27445216)
42. [Qureshi WT, Nasir K, Hacioglu Y, Sibley CT, Gupta M, Rivera JJ, Blumenthal R, Katz R, Budoff MJ. Determination and distribution of left ventricular size as measured by noncontrast CT in the Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomogr.* 2015;9(2):113-119.](http://www.ncbi.nlm.nih.gov/pubmed/25819193)
43. [Raffel LJ, Barban N, Jansen R, de Vlaming R, Vaez A, Mandemakers JJ, Tropf FC, Shen X, Wilson JF, Chasman DI, Nolte IM, Tragante V, van der Laan SW, Perry JR, Kong A; BIOS Consortium, Ahluwalia TS, Albrecht E, Yerges-Armstrong L, Atzmon G, Auro K, Ayers K, Bakshi A, Ben-Avraham D, Berger K, Bergman A, Bertram L, Beilak LF, Bjornsdottir G, Bonder MJ, Broer L, Bui M, Barbieri C, Cavadino A, Chavarro JE, Turman C, Concas MP, Cordell HJ, Davies G, Eibich P, Eriksson N, Esko T, Eriksson J, Falahi F, Felix JF, Fontana MA, Franke L, Gandin I, Gaskins AJ, Gieger C, Gunderson EP, Guo X, Hayward C, He C, Hofer E, Huang H, Joshi PK, Kanoni S, Karlsson R, Kiechl S, Kifley A, Kluttig A, Kraft P, Lagou V, Lecouer C, Lahti J, Li-Gao R, Lind PA, Liu T, Makalic E, Mamasoula C, Matteson L, Mbarek H, McArdle PF, McMahon G, Meddens SF, Mihailov E, Miller M, Missmer SA, Monnereau C, van der Most PJ, Myhre R, Nalls MA, Nutile T, Kalafati IP, Porcu E, Prokopenko I, Rajan KB, Rich-Edwards J, Rietveld CA, Robino A, Rose LM, Rueedi R, Ryan KA, Saba Y, Schmidt D, Smith JA, Stolk L, Streeten E, Tonjes A, Thorleifsson G, Ulivi S, Wedenoja J, Wellmann J, Willeit P, Yao J, Yengo L, Zhao JH, Zhao W, Zhernakaova DV, Armin N, Andrews H, Balkau B, Barzilai N, Bergmann S, Biino G, Bisgaard H, Bonnelykke K, Boomsma DI, Buring JE, Campbell H, Cappellani S, Ciullo M, Cox SR, Cucca F, Toniolo D, Davey-Smith G, Deary IJ, Dedoussis G, Deloukas P, van Duijn CM, de Geus EJ, Eriksson JG, Evans DA, Faul JD, Sala CF, Froguel P, Gasparini P, Girotto G, Grabe HJ, Greiser KH, Groenen PJ, de Haan HG, Haerting J, Harris TB, Health AC, Heikkila K, Hofman A, Homuth G, Holliday EG, Hopper J, Hypponen E, Jacobsson B, Jaddoe VW, Johannesson M, Jugessur A, Kahonen M, Kajantie E, Kardia SL, Keavney B, Kolcic I, Koponen P, Kovacs P, Kronenberg F, Kutalik Z, La Bianca M, Lachance G, Iacono WG, Lai S, Lehtimaki T, Liewald DC; LifeLines Cohort Study, Lindgren CM, Liu Y, Luben R, Lucht M, Luoto R, Magnus P, Magnusson PK, Martin NG, McGue M, McQuillan R, Medland SE, Meisinger C, Mellstrom D, Metspalu A, Traglia M, Milani L, Mitchell P, Montgomery GW, Mook-Kanamori D, de Mutsert R, Nohr EA, Ohlsson C, Olsen J, Ong KK, Paternoster L, Pattie A, Penninx BW, Perola M, Peyser PA, Pirastu M, Polasek O, Power C, Kaprio J, Raikkonen K, Raitakari O, Ridker PM, Ring SM, Roll K, Rudan I, Ruggiero D, Rujescu D, Salomaa V, Schlessinger D, Schmidt H, Schmidt R, Schupf N, Smit J, Sorice R, Spector TD, Starr JM, Stockl D, Strauch K, Stumvoll M, Swertz MA, Thorsteinsdottir U, Thurik AR, Timpson NJ, Tung JY, Uitterlinden AG, Vaccargiu S, Viikari J, Vitart V, Volzke H, Vollenweider P, Vuckovic D, Waage J, Wagner GG, Wang JJ, Wareham NJ, Weir DR, Willemsen G, Willeit J, Wright AF, Zondervan KT, Stefansson K, Krueger RF, Lee JJ, Benjamin DJ, Cesarini D, Koellinger PD, den Hoed M, Snieder H, Mills MC. Genome-wide analysis identifies 12 loci influencing human reproductive behavior. *Nat Genet*. 2016;48(12):1462-1472.](https://www.ncbi.nlm.nih.gov/pubmed/27798627)
44. [Raffel LJ, Day FR, Ruth KS, Thompson DJ, Lunetta KL, Pervjakova N, Chasman DI, Stolk L, Finucane HK, Sulem P, Bulik-Sullivan B, Esko T, Johnson AD, Elks CE, Franceschini N, He C, Altmajer E, Brody JA, Franke LL, Huffman JE, Keller MF, McArdle PF, Nutile T, Porcu E, Robino A, Rose LM, Schick UM, Smith JA, Teumer A, Traglia M, Vuckovic D, Yao J, Zhao W, Albrecht E, Amin N, Corre T, Hottenga JJ, Mangino M, Smith AV, Tanaka T, Abecasis G, Andrulis IL, Anton-Culver H, Antoniou AC, Arndt V, Arnold AM, Barbieri C, Beckmann MW, Beeghly-Fadiel A, Benitez J, Bernstein L, Bielinski SJ, Blomqvist C, Boerwinkle E, Bogdanova NV, Bojesen SE, Bolla MK, Borresen-Dale AL, Boutin TS, Brauch H, Brenner H, Bruning T, Burwinkel B, Campbell A, Campbell H, Chanock SJ, Chapman JR, Chen YI, Chenevix-Trench G, Couch FJ, Coviello AD, Cox A, Czene K, Darabi H, De Vivo I, Demerath EW, Dennis J, Devilee P, Dork T, Dos-Santos-Silva I, Dunning AM, Eicher JD, Fasching PA, Faul JD, Figueroa J, Flesh-Janys D, Gandin I, Garcia ME, Garcia-Closas M, Giles GG, Girotto GG, Goldberg MS, Gonzalez-Neira A, Goodarzi MO, Grove ML, Gudbjartsson DF, Guenel P, Guo X, Haiman CA, Hal P, Hamann U, Henderson BE, Hocking LJ, Hofman A, Homuth G, Hooning MJ, Hopper JL, Hu FB, Huang J, Humphreys K, Hunter DJ, Jakubowska A, Jones SE, Kabisch M, Karasik D, Knight JA, Kolcic I, Kooperberg C, Kosma VM, Kriebel J, Kristensen V, Lambrechts D, Langenberg C, Li J, Li X, Lindstrom S, Liu Y, Luan J, Lubinski J, Magi R, Mannermaa A, Manz J, Margolin S, Marten J, Martin NG, Masciullo C, Meindl A, Michailidou K, Mihailov E, Milani L, Milne RL, Muller-Nurasyid M, Nalls M, Neale BM, Nevanlinna H, Neven P, Newman AB, Nordestgaard BG, Olson JE, Padmanabhan S, Peterlongo P, Peters U, Petersmann A, Peto J, Pharoah PDP, Pirastu NN, Pirie A, Pistis G, Polasek O, Porteous D, Psaty BM, Pylkas K, Radice P, Rivadeneira F, Rudan I, Rudolph A, Ruggiero D, Sala CF, Sanna S, Sawyer EJ, Schlessinger D, Schmidt MK, Schmidt F, Schmutzler RK, Schoenmaker MJ, Scott RA, Seynaeve CM, Simard J, Sorice R, Southey MC, Stockl D, Strauch K, Swerdlow A, Taylor KD, Thorsteinsdottir U, Toland AE, Tomlinson I, Truong T, Tryggvadottir L, Turner ST, Vozzi D, Wang Q, Wellons M, Willemsen G, Wilson JF, Wingvist R, Wolffenbuttel BBHR, Wright AF, Yannoukakos D, Zemunik T, Zheng W, Zygmunt M, Bergmann S, Boomsma DI, Buring JE, Ferrucci L, Montgomery GW, Gudnason V, Spector TD, van Duijn CM, Alizadeh BZ, Ciullo M, Crisponi L, Easton DF, Gasparini PP, Gieger C, Harris TB, Hayward C, Kardia SLR, Kraft P, McKnight B, Metspalu A, Morrison AC, Reiner AP, Ridker PM, Rotter JI, Toniolo D, Uitterlinden AG, Ulivi S, Volzke H, Wareham NJ, Weir DR, Yerges-Armstrong LM; PRACTICAL consortium; kConFab Investigators; AOCS Investigators; Generation Scotland; EPID-InterAct Consortium; LifeLines Cohort Study, Price AL, Stefansson K, Visser JA, Ong KK, Chang-Claude J, Murabito JM, Perry JRB, Murray A. Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. *Nat Genet*. 2015;47(11):1294-1303.](https://www.ncbi.nlm.nih.gov/pubmed/26414677)
45. [Raffel LJ, Fernandez-Rhodes L, Malinowski JR, Wang Y, Tao R, Pankratz N, Jeff JM, Yoneyama S, Carty CL, Setiawan VW, Le Marchand L, Haiman C, Corbett S, Demerath E, Heiss G, Gross M, Buzkova P, Crawford DC, Hunt SC, Rao DC, Schwander K, Chakravarti A, Gottesman O, Abul-Husn NS, Bottinger EP, Loos RJF, Yao J, Guo X, Bielinski SJ, Rotter JI, Vaidya D, Chen YI, Castarieda SF, Daviglus M, Kaplan R, Talavera GA, Ryckman KK, Peters U, Ambite JL, Buyske S, Hindorff L, Kooperberg C, Matise T, Franceschini N, North KE. The genetic underpinnings of variation in ages at menarche and natural menopause among women from the multi-ethnic Population Architecture using Genomics and Epidemiology (PAGE) Study: A trans-ethnic meta-analysis. *PLoS One*. 2018;13(7):e0200486. doi: 10.1371/journal.pone.0200486. eCollection 2018.](https://www.ncbi.nlm.nih.gov/pubmed/?term=30044860)
46. [Raffel LJ, Verhoeven VJ, Hysi PG, Saw SM, Vitart V, Mirshahi A, Guggenheim JA, Cotch MF, Yamashiro K, Baird PN, Mackey DA, Wojciechowsi R, Ikram MK, Hewitt AW, Duggal P, Janmahasatian S, Khor CC, Fan Q, Zhou X, Young TL, Tai ES, Goh LK, Li YJ, Aung T, Vithana E, Teo YY, Tay W, Sim X, Rudan I, Hayward C, Wright AF, Polasek O, Campbell H, Wilson JF, Fleck BW, Nakata I, Yoshimura N, Yamada R, Matsuda F, Ohno-Matsui K, Nag A, McMahon G, Pourcain BS, Lu Y, Rahi JS, Cumberland PM, Bhattacharya S, Simpson CL, Atwood LD, Li X, Murgia F, Portas L, Despriet DD, van Koolwijk LM, Wolfram C, Lackner KJ, Tonjes A, Magi R, Lehtimaki T, Kahonen M, Esko T, Metspalu A, Rantanen T, Parssinen O, Klein BE, Meitinger T, Spector TD, Oostra BA, Smith AV, de Jong PT, Hofman A, Amin N, Karssen LC, Rivadeneira F, Vingerling JR, Eiriksdottir G, Gudnason V, Doring A, Bettenken T, Uitterlinden AG, Williams C, Zeller T, Castagne R, Oexle K, van Duijn CM, Iyengar SK, Mitchell P, Wang JJ, Hohn R, Pfeiffer N, Bailey-Wilson JE, Stambolian D, Wong TY, Hammon CJ, Klaver CC. Large scale international replication and meta-analysis study confirms association of the 15q14 locus with myopia. The CREAM consortium. *Hum Genet*. 2012;131(9):1467-1480.](http://www.ncbi.nlm.nih.gov/pubmed/22665138)
47. [Raffield LM, Agarwal S, Hsu FC, de Boer IH, Ix JH, Siscovick D, Szklo M, Burke GL, Frazier-Wood AC, Herrington DM. The association of calcium supplementation and incident cardiovascular events in the Multi-ethnic Study of Atherosclerosis (MESA). *Nutr Metab Cardiovasc Dis*. 2016;26(10):899-907.](http://www.ncbi.nlm.nih.gov/pubmed/27514606)
48. [Raffield LM, Dang H, Pratte KA, Jacobsen S, Gillenwater LA, Ampleford E. Barjaktarevic I, Basta P, Clish CB, Comellas AP, Cornell E, Curtis JL, Doerschuk C, Durda P, Emson C, Freeman CM, Guo X, Hastie AT, Hawkins GA, Herrera J, Johnson WC, Labaki WW, Liu Y, Masters B, Miller M, Ortega VE, Papanicolaou G, Peters S, Taylor KD, Rich SS, Rotter JI, Auer P, Reiner AP, Tracy RP, Ngo D, Gerszten RE, O’Neal WK, Bowler RP, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. Comparison of Proteomic Assessment Methods in Multiple Cohort Studies. *Proteomics*. 2020;20(12):e1900278. doi: 10.1002/pmic.201900278.](https://pubmed.ncbi.nlm.nih.gov/32386347/)
49. [Raffield LM, Downie CG, Dimos SF, Bien SA, Hu Y, Darst BF, Polfus LM, Wang Y, Wojcik GL, Tao R, Armstrong ND, Polikowsky HG, Below JE, Correa A, Irvin MR, Rasmussen-Torvik LJF, Carlson CS, Phillips LS, Liu S, Pankow JS, Rich SS, Rotter JI, Buyske S, Matise TC, North KE, Avery CL, Haiman CA, Loos RJF, Kooperberg C, Graff M, Highland HM. Multi-ethnic GWAS and fine-mapping of glycaemic traits identify novel loci in the PAGE Study. *Diabetologia*. 2022;65(3):477-489.](https://pubmed.ncbi.nlm.nih.gov/34951656/)
50. [Raffield LM, Zakai NA, Duan Q, Laurie C, Smith JD, Irvin MR, Doyle MF, Naik RP, Song C, Manichaikul AW, Liu Y, Durda P, Rotter JI, Jenny NS, Rich SS, Wilson JG, Johnson AD, Correa A, Li Y, Nickerson DA, Rice K, Lange EM, Cushman M, Lange LA, Reiner AP NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, Hematology & Hemostasis TOPMed Working Group. D-Dimer in African Americans: Whole Genome Sequence Analysis and Relationship to Cardiovascular Disease Risk in the Jackson Heart Study. *Arterioscler Thromb Vasc Biol.* 2017;37(11):2220-2227.](https://www.ncbi.nlm.nih.gov/pubmed/28912365)
51. [Rahman F, Al Rifai M, Blaha MJ, Nasir K, Budoff MJ, Psaty BM, Post WS, Blumenthal RS, McEvoy JW. Relation of Diastolic Blood Pressure and Coronary Artery Calcium to Coronary Events and Outcomes (From the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2017;120(10):1797-1803.](https://www.ncbi.nlm.nih.gov/pubmed/28864316)

1. [Rahman O, Markl M, Balte P, Berhane H, Blanken C, Suwa K, Dashnaw S, Wieben O, Bluemke DA, Prince MR, Lima J, Michos E, Ambale-Venkatesh B, Hoffman EA, Gomes AS, Watson K, Sun Y, Carr J, Barr RG. Reproducability and Changes in Vena Caval Blood Flow by Using 4D Flow MRI in Pulmonary Emphysema and Chronic Obstructive Pulmonary Disease (COPD): The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Substudy.](https://www.ncbi.nlm.nih.gov/pubmed/31335282) *[Radiology](https://www.ncbi.nlm.nih.gov/pubmed/31335282)*[. 2019;292(3):585-594.](https://www.ncbi.nlm.nih.gov/pubmed/31335282)
2. [Rahsepar AA, Bluemke DA, Habibi M, Liu K, Kawel-Boehm N, Ambale-Venkatesh B, Fernandes VRS, Rosen BD, Lima JAC, Carr JC. Association of Pro-B-Type Natriuretic Peptide With Cardiac Magnetic Resonance-Measured Global and Regional Cardiac Function and Structure Over 10 Years: The MESA Study. *J Am Heart Assoc*. 2021;10(8):e019243. doi: 10.1161/JAHA.120.019243.](https://pubmed.ncbi.nlm.nih.gov/33821688/)
3. [Rame JE, Drazner MH, Post W, Peshock R, Lima J, Cooper RS, Dries DL. Corin I555(P568) allele is associated with enhanced cardiac hypertrophic response to increased systemic afterload. *Hypertension*. 2007;49(4):857-864.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17296875&query_hl=23&itool=pubmed_docsum)
4. [Ranchod YK, Diez Roux AV, Evenson KR, Sanchez BN, Moore K. Longitudinal associations between neighborhood recreational facilities and change in recreational physical activity in the multi-ethnic study of atherosclerosis, 2000-2007. *Am J Epidemiol*. 2014;179(3):335-343.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ranchod+YK)
5. [Ranjit N, Diez-Roux AV, Sanchez B, Seeman T, Shea S, Shrager S, Watson K. Association of salivary cortisol circadian pattern with cynical hostility: multi-ethnic study of atherosclerosis. *Psychosom Med*.2009;71(7):748-755.](http://www.ncbi.nlm.nih.gov/pubmed/19592518?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)

1. [Ranjit N, Diez Roux AV, Shea S, Cushman M, Seeman T, Jackson SA, Ni H. Psychosocial Factors and Inflammation in the Multi-Ethnic Study of Atherosclerosis.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17242319&query_hl=2&itool=pubmed_docsum) *[Arch Intern Med.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17242319&query_hl=2&itool=pubmed_docsum)* [2007;167(2):174-181.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17242319&query_hl=2&itool=pubmed_docsum)
2. [Ranjit N, Diez-Roux AV, Shea S, Cushman M, Ni H, Seeman T. Socioeconomic Position, Race/Ethnicity and Inflammation in the Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2007;116(21):2383-2390*.*](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=18025402&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
3. [Rao VN, Zhao D, Allison MA, Guallar E, Sharma K, Criqui MH, Cushman M, Blumenthal RS, Michos ED. Adiposity and Incident Heart Failure and its Subtypes: MESA (Multi-Ethnic Study of Atherosclerosis). *JACC Heart Fail*. 2018;6(12):999-1007.](https://www.ncbi.nlm.nih.gov/pubmed/30316935)
4. [Rashid T, Abdulkadir A, Nasrallah IM, Ware JB, Liu H, Spincemaille P, Romero JR, Bryan RN, Heckbert SR, Habes M. DEEPMIR: a deep neural network for differential detection of cerebral microbleeds and iron deposits in MRI. *Sci Rep*. 2021;11(1):14124. doi: 10.1038/s41598-021-93427-x.](https://pubmed.ncbi.nlm.nih.gov/34238951/)
5. [Rasmussen-Torvik LJ, Graff M, Scott RA, Justice AE, Young KL, Feitosa MF, Barata L, Winkler TW, Chu AY, Mahaian A, Hadley D, Xue L, Workalemahu T, Heard-Costa NL, den Hoed M, Ahluwalia TS, Qi Q, Ngwa JS, Renstrom F, Quaye L, Eicher JD, Hayes JE, Cornelis M, Kutalik Z, Lim E, Luan J, Huffman JE, Zhang W, Zhao W, Griffin PJ, Haller T, Ahmad S, Marques-Vidal PM, Bien S, Yengo L, Teumer A, Smith AV, Kumari M, Harder MN, Justesen JM, Kleber ME, Hollensted M, Lohman K, Rivera NV, Whitfield JB, Zhao JH, Stringham HM, Lyytikainen LP, Huppertz C, Willemsen G, Peyrot WJ, Wu Y, Kristiansson K, Demirkan A, Fornage M, Hassinen M, Bielak LF, Cadby G, Tanaka T, Magi R, van der Most PJ, Jackson AU, Bragg-Gresham JL, Vitart V, Marten J, Navarro P, Bellis C, Pasko D, Johansson A, Snitker S, Cheng YC, Eriksson J, Lim U, Aadahl M, Adair LS, Amin N, Balkau B, Auvinen J, Beilby J, Bergman RN, Bergmann S, Bertoni AG, Blangero J, Bonnefond A, Bonnycastle LL, Borja JB, Brage S, Busonero F, Buyske S, Campbell H, Chines PS, Collins FS, Corre T, Smith GD, Delgado GE, Dueker N, Dorr M, Ebeling T, Eiriksdottir G, Esko T, Faul JD, Fu M, Faerch K, Gieger C, Claser S, Gong J, Gordon-Larsen P, Grallert H, Grammer TB, GrarupN, van Grootheest G, Harald K, Hastie ND, Havulinna AS, Hernandez D, Hindorff L, Hocking LJ, Holmens OL, Holzapfel C, Hottenga JJ, Huang J, Huang T, Hui J, Huth C, Hutri-Kahonen N, James AL, Jansson JO, Jhun MA, Juonala M, Kinnunen L, Koistinen HA, Kolcic I, Komulainen P, Kuusisto J, Kvaloy K, Kahonen M, Lakka TA, Launer LJ, Lehne B, Lindgren Cm, Lorentzon M, Luben R, Marre M, Milaneschi Y, Monda KL, Montgomery GW, De Moor MHM, Mulas A, Muller-Nurasyid M, Musk AW, Mannikko R, Mannisto S, Narisu N, Nauck M, Nettleton JA, Nolte IM, Oldehinkel AJ, Olden M, Ong KK, Padmanabhan S, Paternoster L, Perez J, Perola M, Peters A, Peters U, Peyser PA, Prokopenko I, Puolijoki H, Raitakari OT, Ranknien T, Rawal R, Eidker PM, Rose LM, Rudan I, Sarti C, Sarzynski MA, Savonen K, Scott WR, Sanna S, Shuldiner AR, Sidney S, Silbernagel G, Smith BH, SmithJA, Snieder H, Stancakova A, Sternfeld B, Swift AJ, Tammelin T, Tan ST, Thorand B, Thuillier D, Vandenput L, Vesttegaard H, van Vliet-Ostaptchouk JV, Vohl MC, Volker U, Waeber G, Walker M, Wild S, Wong A, Wright AF, Zillikens MC, Zubair N, Haiman CA, Lemarchand L, Gyllensten U, Ohlsson C, Hofman A, Rivadeneira F, Uitterlinden AG, Perusse L, Wilson JF, Hayward C, Polasek O, Cucca F, Hveem K, Hartman CA, Tonjes A, Bandinelli S, Palmer LJ, Kardia SLF, Rauramaa R, Sorensen TIA, Tuomilehto J, Salomaa V, Penninx BWJH, de Geus EJC, Boomsma DI, Lehtimaki T, Mangino M, Laakso M, Bouchard C, Martin NG, Kuh D, Liu Y, Linneberg A, Marz W, Strauch K, Kivimaki M, Harris TB, Gudnason V, Volzke H, Qi L, Jarvelin MR, Chambers JC, Kooner JS, Froguel P, Kooperberg C, Vollenweider P, Hallmans G, Hansen T, Pedersen O, Metspalu A, Wareham NJ, Langenberg C, Weir DR, Porteous DJ, Boerwinkle E, Chasman DI; CHARGE Consortium; EPIC-InterAct Consortium; PAGE Consurtium, Abecasis GR, Barroso I, McCarthy MI, Frayling TM, O’Connell JR, van Duijn CM, Boehnke M, Heid M, Mohlke KL, Strachan DP, Fox CS, Liu CT, Hirschhorn JN, Klein RJ, Johnson AD, Borecki IB, Franks PW, North KE, Cupples LA, Loos RJF, Kilpelainen TO. Correction: Genome-wide physical activity interactions in adiposity – A meta-analysis of 200,452 adults. *PLoS Genet*. 2017;13(8)e1006972. doi: 10.1371/journal.pgen.1006972. eCollection 2017 Aug.](https://www.ncbi.nlm.nih.gov/pubmed/28832619)
6. [Rasmussen-Torvik LJ, Guo X, Bowden DW, Bertoni AG, Sale MM, Yao J, Bluemke DA, Goodarzi MO, Chen YI, Vaidya D, Raffel LJ, Papanicolaou GJ, Meigs, JB, Pankow JS. Fasting glucose GWAS candidate region analysis across ethnic groups in the Multiethnic Study of Atherosclerosis (MESA). *Genet Epidemiol*. 2012:36(4):384-391.](https://www.ncbi.nlm.nih.gov/pubmed/22508271)
7. [Rasmussen-Torvik LJ, Kilpelainen TO, Carli JF, Skowronski AA, Sun Q, Kriebel J. Feitosa MF, Hedman AK, Drong AW, Hayes JE, Zhao J, Pers TH, Schick U, Garup N, Kutalik Z, Trompet S, Mangino M, Kristiansson K, Beekman M, Lyytikainen LP, Eriksson J, Henneman P, Lahti J, Tanaka T, Luan J, Del Greco M F, Pasko D, Renstrom F, Willems SM, Mahajan A, Rose LM, Guo X, Liu Y, Kleber ME, Perusse L, Gaunt T, Ahluwalia TS, Ju Sung Y, Ramos YF, Amin N, Amuzu A, Barroso I, Bellis C, Blangero J, Buckley BM, Bohringer S, I Chen YD, de Craen AJ, Crosslin DR. Dale CE, Dastani Z, Day FR, Deelen J, Delgado GE, Demirkan A, Finucane FM, Ford I, Garcia ME, Gieger C, Gustafsson S, Hallmans G, Hankinson SE, Havulinna AS, Herder C, Hernandez D, Hicks AA, Hunter DJ, Illig T, Ingelsson E, Ioan-Facsinay A, Jansson JO, Jenny NS, Jorgensen ME, Jorgensen T, Karlsson M, Koenig W, Kraft P, Kwekkeboom J, Laatikainen T, Ladwig KH, LeDuc CA, Lowe G, Lu Y, Marques-Vidal P, Meisinger C, Menni C, Morris AP, Myers RH, Mannisto S, Nalls MA, Paternoster L, Peters A, Pradhan AD, Rankinen T, Rathmann W, Rick TK, Brent Richards J, Ridker PM, Sattar N, Savage DB, Soderberg S, Timpson NJ, Vandenput L, van Heemst D, Uh HW, Vohl MC, Walker M, Wichmann HE, Widen E, Wood AR, Yao J, Zeller T, Zhang Y, Meulenbelt I, Kloppenburg M, Astrup A, Sorensen TI, Sarzynski MA, Rao DC, Jousilahti P, Vartiainen E, Hofman A, Rivadeneira F, Uitterlinden AG, Kajantie E, Osmond C, Palotie A, Erikkson JG, Heliovaara M, Knekt PB, Koskinen S, Jula A, Perola M, Huupponen RK, Viikari JS, Kahonen M, Lehtmaki T, Raitakari OT, Mellstrom D, Lorentzon M, Casas JP, Bandinelli S, Marz W, Isaacs A, van Dijk KW, van Duijn Cm, Harris TB, Bouchard C, Allison MA, Chasman DI, Ohlsson C, Lind L, Scott RA, Langenberg C, Wareham NJ, Ferrucci L, Frayling TM, Pramstaller PP, Borecki IB, Waterworth DM, Bergmann S, Waeber G, Vollenweider P, Vestergaard H, Hansen T, Pedersen O, Hu FB, Eline Slagboom P, Grallert H, Spector TD, Jukema JW, Klein RJ, Schadt EE, Franks PW, Lindgren CM, Leibel RL, Loos RJ. Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. *Nat Commun*. 2016;7:10494. doi: 10.1038/ncomms10494.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Genome-wide+meta-analysis+uncovers+novel+loci+influencing+circulating+leptin)
8. [Rasmussen-Torvik LJ, Monda KL, Chen GK, Taylor KC, Palmer C, Edwards TL, Lange LA, Ng MC, Adeyemo AA, Allison MA, Bielak LF, Chen G, Graff M, Irvin MR, Rhie SK, Li G, Liu Y, Liu Y, Lu Y, Nalls MA, Sun YV, Wojcznski MK, Yanek LR, Aldrich MC, Ademola A, Amos CI, Bandera EV, Bock CH, Britton A, Broeckel U, Cai Q, Caporaso NE, Carlson CS, Carpten J, Casey G, Chen WM, Chen F, Chen YD, Chiang CW, Coetzee GA, Demerath E, Deming-Halverson SL, Driver RW, Dubbert P, Feitosa MF, Feng Y, Freedman BI, Gillanders EM, Gottesman O, Guo X, Haritunians T, Harris T, Harris CC, Hennis AJ, Hernandez DG, McNeil LH, Howard TD, Howard BV, Howard VJ, Johnson KC, Kang SJ, Keating BJ, Kolb S, Kuller LH, Kutlar A, Langefeld CD, Lettre G, Lohman K, Lotav V, Lyon H, Manson JE, Maixner W, Meng YA, Monroe KR, Morhason-Bello I, Murphy AB, Mychaleckyj JC, Nadukuru R, Nathanson KL, Nayak U, N’diaye A, Nemesure B, Wu SY, Leske MC Neslund-Dudas C, Neuhouser M, Nyante S, Ochs-Balcom H, Ogunniyi A, Ogundiran TO, Ojenbede O, Olopade OI, Palmer JR, Ruiz-Narvaez EA, Palmer ND, Press MF, Rampersaud E, Rodriguez-Gil JL, Saleko B, Schadt EE, Schwartz AG, Shriner DA, Sisocvick D, Smith SB, Wassertheil-Smoller S, Speliotes EK, Spitz MR, Sucheston L, Taylor H, Tayo BO, Tucker MA, Van Den Berg DJ, Edwards DR, Wang Z, Wiencke JK, Winkler TW, Witte JS, Wrensch M, Wu X, Yang JJ, Levin AM, Young TR, Zakai NA, Cushman M, Zanetti KA, Zhao JH, Zhao W, Zheng Y, Zhou J, Ziegler RG, Zmuda JM, Fernandes JK, Gilkeson GS, Kamen DL, Hung KJ, Spruill IJ, Ambrosone CB, Ambs S, Arnett DK, Atwood L, Becker DM, Bemdt SI, Bernstine L, Blot WJ, Borecki IB, Bottinser EP, Bowden DW, Burke G, Chanock SJ, Cooper RS, Ding J, Duggan D, Evans MK, Fox C, Garvey WT, Bradfield JP, Hakonarson H, Grant SF, Hsing A, Chu L, Hu JJ, Huo D, Ingles SA, John EM, Jordan JM, Kabagambe EK, Kardia SL, Kittles RA, Goodman PJ, Klein EA, Kolonel LN, Le Marchand L, Liu S, McNight B, Millikan RC, Mosley TH, Padhukasahasram B, Williams LK, Patel SR, Peters U, Pettaway CA, Peyser PA, Psaty BM, Redline S, Rotimi CN, Rybicki BA, Sale MM, Schreiner PJ, Signorello LB, Siingleton AB, Stanford JL, Strom SS, Thun MJ, Vitolins M, Zheng W, Moore JH, Williams SM, Ketkar S, Zhu X, Zonderman AB; NABEC Consortium; UKBEC Consortium; BioBank Japan Project; AGEN Consortium, Kooperberg C, Papanicolaou GJ, Henderson BE, Reiner AP, Hirschhorn JN, Loos RJ, North KE, Haiman CA. A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. *Nat Genet*. 2013;45(6):690-696.](http://www.ncbi.nlm.nih.gov/pubmed/?term=A+meta-analysis+identifies+new+loci+associated+with+body+mass+index+in+individuals+of+African+ancestry)
9. [Rasmussen-Torvik LJ, Wassel CL, Ding J, Carr J, Cushman M, Jenny N, Allison MA. Associations of body mass index and insulin resistance with leptin, adiponectin, and the leptin-to-adiponectin ratio across ethnic groups: the Multi-Ethnic Study of Atherosclerosis (MESA). *Ann Epidimiol*. 2012;22(10):705-709.](http://www.ncbi.nlm.nih.gov/pubmed/22929534)
10. [Razavi AC, Allen NB, Dzaye O, Michos ED, Budoff MJ, Lima JAC, Shikany JM, Liu K, Post WS, Blumenthal RS, Blaha MJ, Carr JJ, Whelton SP. Risk Factors for Incident Coronary Artery Calcium in Younger (Age 32 to 45 Years) Versus Intermediate (46 to 64 Years) Versus Older (65 to 84 Years) Persons. *Am J Cardiol*. 2022;184:14-21.](https://pubmed.ncbi.nlm.nih.gov/36154968/)
11. [Razavi AC, Cardoso R, Dzaye O, Budoff M, Thanassoulis G, Post WS, Shah S, Berman DS, Nasir K, Blaha MJ, Whelton SP. Risk Markers for Limited Coronary Artery Calcium in Persons With Significant Aortic Valve Calcium (From the Multi-ethnic Study of Atherosclerosis). *Am J Cardiol*. 2021;156:58-64.](https://pubmed.ncbi.nlm.nih.gov/34325879/)
12. Razavi AC, Dzaye O, Michos ED, Budoff MJ, Allen NB, Lima JAC, Polak JF, Post WS, Nasir K, Blumenthal RS, Sperling LS, Blaha MJ, Whelton SP. Nontraditional Risk Markers for Incident Coronary Artery Calcium Among Persons >65 Years of Age. *JACC Adv*. (In press)
13. [Razavi AC, Kelly TN, Budoff MJ, Bazzano LA, He J, Fernandez C, Lima J, Nasir K, Blumenthal RS, Blaha MJ, Whelton SP. Atherosclerotic cardiovascular disease events among statin eligible individuals with and without long-term healthy arterial aging. *Atherosclerosis*. 2021;326:56-62.](https://pubmed.ncbi.nlm.nih.gov/33824003/)
14. [Razavi AC, Wong N, Budoff M, Bazzano LA, Kelly TN, He J, Fernandez C, Lima J, Polak JF, Mongraw-Chaffin M, deFilippi C, Szklo M, Bertoni AG, Blumenthal RS, Blaha MJ, Whelton SP. Predicting Long-Term Absence of Coronary Artery Calcium Metabolic Syndrome and Diabetes: The MESA Study. *JACC Cardiovasc Imaging*. 2021;14(1):219-229.](https://pubmed.ncbi.nlm.nih.gov/33129732/)
15. [Reddy VK, Gapstur SM, Prineas R, Colangelo LA, Ouyang P, Kadish AH. Ethnic Differences in ST Height in the Multiethnic Study of Atherosclerosis. *Ann Noninvasive Electrocardiol*. 2008;13(4):341-351.](http://www.ncbi.nlm.nih.gov/pubmed/18973491?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
16. [Redheuil A, Wu CO, Kachenoura N, Ohyama Y, Yan RT, Bertoni AG, Hundley GW, Duprez DA, Jacobs DR Jr, Daniels LB, Darwin C, Sibley C, Bluemke DA, Lima JA. Proximal Aortic Distensibility Is an Independent Predictor of All-Cause Mortality and Incident CV Events: The MESA Study. *J Am Coll Cardiol*. 2014;64(24):2619-2629.](http://www.ncbi.nlm.nih.gov/pubmed/25524341)
17. [Reid M, Maras JE, Shea S, Wood AC, Castro-Diehl C, Johnson DA, Huang T, Jacobs DR Jr, Crawford A, St-Onge MP, Redline S. Association between diet quality and sleep apnea in the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2019;42(1). doi: 10.1093/sleep/zsy194.](https://www.ncbi.nlm.nih.gov/pubmed/30346597)
18. [Reina SA, Llabre, Allison MA, Wilkins JT, Mendez AJ, Arnan MK, Schneiderman N, Sacco RL, Carnethon M, Delaney JA. HDL cholesterol and stroke risk: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2015;243(1):314-319.](https://www.ncbi.nlm.nih.gov/pubmed/26425994)
19. [Reiner AP, Bhattacharya R, Zekavat SM, Haessler J, Fornage M, Raffield L, Uddin MM, Bick AG, Niroula A, Yu B, Gibson C, Griffin G, Morrision AC, Psaty BM, Longstreth WT, Bis JC, Rich SS, Rotter JI, Tracy RP, Correa A, Seshadri S, Johnson A, Collins JM, Hayden KM, Madsen TE, Ballantyne CM, Jaiswal S, Ebert BL, Kooperberg C, Manson JE, Whitsel EA, NHLBI Trans-Omics for Precision Medicine Program; Natarajan P. Clonal Hematopoiesis Is Associated With Higher Risk of Stroke. *Stroke*. 2022;53(3):788-797.](https://pubmed.ncbi.nlm.nih.gov/34743536/)
20. [Reiner AP, Hu Y, Haessler JW, Manansala R, Wiggins KL, Moscati A, Beiser A, Heard-Costa NL, Sarnowski C, Raffield LM, Chung J, Marini S, Anderson CD, Rosand J, Xu H, Sun X, Kelly TN, Wong W, Lang LA, Rotter JI, Correa A, Vasan RS, Seshadri S, Rich SS, Do R, Loos RJF, Longstreth Jr WT, Bis JC, Psaty BM, Tirschwell DL, Assimes TL, Silver B, Liu S, Jackson R, Wassertheil-Smoller S, Mitchell BD, Fornage M, Auer PL, Kooperberg C; Trans-Omics for Precision Medicine (TOPMed) Stroke Working Group, the NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. *Stroke*. 2022;53(3):875-885.](https://pubmed.ncbi.nlm.nih.gov/34727735/)
21. [Reiner AP, Hu Y, Stilp AM, McHugh CP, Rao S, Jain D, Zhen X, Lane J, de Bellefon SM, Raffield LM, Chen MH, Yanek LR, Wheeler M, Yao Y, Ren C, Broome J, Moon JY, de Vries PS, Hobbs BD, Sun Q, Suredran P, Brody JA, Blackwell TW, Choquet H, Ryan K, Duggirala R, Heard-Costa N, Wang Z, Chami N, Preuss MH, Min N, Ekunwe L, Lange LA, Cushman M, Faraday N, Curran JE, Almasy L, Kundu K, Smith AV, Gabriel S, Rotter JI, Fornage M, Lloyd-Jones DM, Vasan RS, Smith NL, North KE, Boerwinkle E, Becker LC, Lewis JP, Abecasis GR, Hou L, O’Connell JR, Morrison AC, Beaty, TH, Kaplan R, Correa A, Blangero J, Jorgenson E, Psaty BM, Kooperberg C, Walton RT, Kleinstiver BP, Tang H, Loos RJF, Soranzo N, Butterworth AS, Nickerson D, Rish SS, Mitchell BD, Johnson AD, Auer PL, Li Y, Mathias RA, Lettre G, Pankratz N, Laurie CC, Laurie CA, Bauer DE, Conomos MP; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. Whole-genome sequencing association analysis of quantitative red blood cell phenotypes: The NHLBI TOPMed program. *Am J Hum Genet*. 2021;108(5):874-893.](https://pubmed.ncbi.nlm.nih.gov/33887194/)
22. [Reiner AP, Little A, Hu Y, Sun Q, Jain D, Broome J, Chen MH, Thibord F, McHugh C, Surendran P, Blackwell TW, Brody JA, Bhan A, Chami N, de Vries PS, Ekunwe L, Heard-Costa N, Hobbs BD, Manichaikul A, Moon JY, Preuss MH, Ryan K, Wang Z, Wheller M, Yanek LR, Abecasis GR, Almasy L, Beaty TH, Becker LC, Blangero J, Boerwinkle E, Butterworth AS, Choquet H, Correa A, Curran JE, Faraday N, Fornage M, Glahn DC, Hou L, Jorgensen E, Kooperberg C, Lewis JP, Lloyd-Jones DM, Loos RJF, Min YI, Mithell BD, Morrison AC, Nickerson DA, North KE, O’Connell JR, Pankratz N, Psaty BM, Vasan RS, Rich SS, Rotter JI, Smith AV, Smith NL, Tang H, Tracy RP, Conomos MP, Laurie CA, Mathias RA, Li Y, Auier PL, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium/ Thornton T, Johnson AD, Raffield LM. Whole genome sequence analysis of platelet traits in the NHLBI Trans-Omics for Precision Medicine (TOPMed) initiative. *Hum Mol Genet*. 2022;31(3):347-361.](https://pubmed.ncbi.nlm.nih.gov/34553764/)
23. [Reiner AP, Mikhaylova AV, McHugh CP, Polfus LM, Raffield LM, Boorgula MP, Blackwell TW, Brody JA, Broome J, Chami N, Chen MH, Conomos MP, Cox C, Curran JE, Daya M, Ekunwe L, Glahn DC, Heard-Costa N, Highland HM, Hobbs BD, Ilboudo Y, Jain D, Lange LA, Miller-Fleming TW, Min N, Moon JY, Preuss MH, Rosen J, Ryan K, Smith AV, Sun Q, Surendran P, deVries PS, Walter K. Wang Z, Wheeler M, Yanek LR, Zhong X, Abecasis GR, Almasy L, Barnes KC, Beaty TH, Becker LC, Blangero J, Boerwinkle E, Butterworth AS, Chavan S, Cho MH, Choquet H, Correa A, Cox N, DeMeo DL, Faraday N, Fornage M, Gerszten RE, Hou L, Johnson AD, Jorgenson E, Kaplan R, Kooperberg C, Kundu K, Laurie CA, Lettre G, Lewis JP, Li B, Li Y, Lloyd-Jones DM, Loos RJF, Manichaikul A, Meyers DA, Mitchell BD, Morrison AC, Ngo D, Nickerson DA, Nongmaithem S, North KE, O’Connell JR, Ortega VE, Pankratz N, Perry JA, Psaty BM, Rich SS, Soranzo N, Rotter JI, Silverman EK, Smith NL, Tang H, Tracy RP, Thornton TA, Vasan RS, Zein J, Mathias RA; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Auer PL. Whole-genome sequencing in diverse subjects identifies genetic correlates of leukocyte traits: The NHLBI TOPMed program. *Am J Hum Genet*. 2021;108(10):1836-1851.](https://pubmed.ncbi.nlm.nih.gov/34582791/)
24. [Reiner AP, Schick UM, Jain D, Hodonsky CJ, Morrison JV, Davis JP, Brown L, Sofer T, Conomos MP, Schurmann C, McHugh CP, Nelson SC, Vadlamudi S, Stilp A, Plantinga A, Baier L, Bien SA, Gogarten SM, Laurie CA, Taylor KD, Liu Y, Auer PL, Franceschini N, Szpiro A, Rice K, Kerr KF, Rotter JI, Hanson RL, Papanicolaou G, Rich SS, Loos RJ, Browning BL, Browning SR, Weir BS, Laurie CC, Mohlke KL, North KE, Thronton TA, Reiner AP. Genome-wide Association Study of Platelet Count Identifies Ancestry-Specific Loci in Hispanic/Latino Americans. *Am J Hum Genet*. 2016;98(2):229-242.](https://www.ncbi.nlm.nih.gov/pubmed/?term=26805783)
25. [Reis Geovanini G, Wang R, Weng J, Jenny NS, Shea S, Allison M, Libby P, Redline S. Association between Obstructive Sleep Apnea and Cardiovascular Risk Factors: Variation by Age, Sex and Race. The Multi-Ethnic Study of Atherosclerosis. *Ann Am Thorac Soc*. 2018;15(8):970-977.](https://www.ncbi.nlm.nih.gov/pubmed/29742365)
26. [Reis Geovanini G, Wang R, Weng J, Tracy R, Jenny NS, Goldberger AL, Costa MD, Liu Y, Libby P, Redline S. Elevations in neutrophils with obstructive sleep apnea: The Multi-Ethnic Study of Atherosclerosis (MESA). *Int J Cardiol*. 2018;257:318-323.](https://www.ncbi.nlm.nih.gov/pubmed/29506719)
27. [Remigio-Baker RA, Allison MA, Forbang NI, Loomba R, Anderson CA, Budoff M, Schwimmer JB, Blumenthal RS, Ouyang P, Criqui MH. Race/ethnic and sex disparities in the non-alcoholic fatty liver disease-abdominal aortic calcification association: The Multi-ethnic Study of Atherosclerosis. *Atherosclerosis*. 2017;258:89-96.](https://www.ncbi.nlm.nih.gov/pubmed/28235711)
28. [Remigio-Baker RA, Allison MA, Schreiner PJ, Carnethon MR, Nettleton JA, Mujahid MS, Szklo M, Crum RM, Leuotsakos JM, Franco M, Jensky N, Golden SH. Sex and race/ethnic disparities in the cross-sectional association between depressive symptoms and muscle mass: the Multi-ethnic Study of Atherosclerosis. *BMC Psychiatry*. 2015;15(1):221. doi: 10.1186/s12888-015-0604-9.](http://www.ncbi.nlm.nih.gov/pubmed/26384322)
29. [Remigio-Baker RA, Allison MA, Schreiner PJ, Szklo M, Crum RM, Leoutsakos JM, Franco M, Carnethon MR, Nettleton JA, Mujahid MS, Diez Roux AV, Jensky N, Golden SH. Difference by sex but not by race/ethnicity in the visceral adipose tissue-depressive symptoms association: The Multi-Ethnic Study of Atherosclerosis. *Psychoneuroendocrinology*. 2014;47:78-87.](http://www.ncbi.nlm.nih.gov/pubmed/25001957)
30. [Remigio-Baker RA, Diez Roux AV, Szklo M, Crum RM, Leoutsakos JM, Franco M, Schreiner PJ, Carnethon MR, Nettleton JA, Mujahid MS, Michos ED, Gary-Webb TL, Golden SH. Physical environment may modify the association between depressive symptoms and change in waist circumference: the multi-ethnic study of atherosclerosis. *Psychosomatics*. 2014;55(2):144-154.](http://www.ncbi.nlm.nih.gov/pubmed/24388121)
31. [Rerkpattanapipat P, D’Agostino RB Jr, Link KM, Shahar E, Lima JA, Bluemke DA, Sinha S, Harrington DM, Hundley WG. Location of arterial stiffening differs in those with impaired fasting glucose versus diabetes: implications for left ventricular hypertrophy from the Multi-Ethnic Study of Atherosclerosis. *Diabetes*. 2009;58(4):946-953.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Location+of+arterial+stiffening+differs+in+those+with+impaired+fasting+glucose+versus+diabetes%3A+implications+for+left+ventricular+hypertrophy+from+the+Multi-Ethnic+Study+of+Atherosclerosis)
32. [Restivo MD, Podolanczuk A, Kawut SM, Raghu G, Leary P, Barr RG, Lederer DJ. Antacid use and subclinical interstitial lung disease: the MESA study. *Eur Respir*. 2017;49(5). pii: 1602566. doi: 10.1183/13993003.02566-2016.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Restivo+MD)
33. [Reynolds LM, Ding J, Taylor JR, Lohman K, Soranzo N, de la Fuente A, Liu TF, Johnson C, Barr RG, Register TC, Donohue KM, Taylor MV, Cihakova D, Gu C, Divers J, Siscovick D, Burke G, Post W, Shea S, Jacobs DR Jr, Hoeschele I, McCall CE, Kritchevsky SB, Herrington D, Tracy RP, Liu Y. Transcriptomic profiles of aging in purified human immune cells. *BMC Genomics*. 2015;16:333. doi: 10.1186/s12864-015-1522-4.](https://www.ncbi.nlm.nih.gov/pubmed/?term=PMID%3A+25898983)
34. [Reynolds LM, Liu C, Marioni RE, Hedman AK, Pfeiffer L, Tsai PC, Just AC, Duan Q, Boer CG, Tanaka T, Elks CE, Aslibekyan S, Brody JA, Kuhnel B, Herder C, Almli LM, Zhi D, Wang Y, Huan T, Yao C, Mendelson MM, Joehanes R, Liang L, Love SA, Guan W, Shah S, McRae AF, Kretschmer A, Prokisch H, Strauch K, Peters A, Visscher PM, Wray NR, Guo X, Wiggins KL, Smith AK, Binder EB, Ressler KJ, Irvin MR, Absher DM, Hernandez D, Ferrucci L, Bandinelli S, Lohman K, Ding J, Trevisi L, Gustafsson S, Sandling JH, Stolk L, Uitterlinden AG, Yet I, Castillo-Fernandez JE, Spector TD, Schwartz JD, Vokonas P, Lind L, Li Y, Fornage M, Arnett DK, Wareham NJ, Sotoodehnia N, Ong KK, van Meurs JB, Conneely KN, Baccarelli AA, Deary IJ, Bell JT, North KE, Liu Y, Waldenberger M, London SJ, Ingelsson E, Levy D. A DNA methylation biomarker of alcohol consumption. *Mol Psychiatry*. 2018;23(2):422-433.](https://www.ncbi.nlm.nih.gov/pubmed/?term=PMID%3A+27843151)
35. [Reynolds LM, Lohman K, Pittman GS, Barr RG, Chi GC, Kaufman J, Wan M, Bell DA, Blaha MJ, Rodriguez CJ, Liu Y. Tobacco exposure-related alterations in DNA methylation and gene expression in human monocytes: the Multi-Ethnic Study of Atherosclerosis (MESA). *Epigenetics*. 2018:1-9. doi: 10.1080/15592294.2017.1403692.](https://www.ncbi.nlm.nih.gov/pubmed/29166816)
36. [Reynolds LM, Ma J, Rebholz CM, Braun KVE, Aslibekyan S, Xia R, Biligowda NG, Huan T, Liu C, Mendelson MM, Joehanes R, Hu EA, Vitolins MZ, Wood AC, Loman K, Ochoa-Rosales C, van Meurs J, Uitterlinden A, Liu Y, Elhadad MA, Heier M, Waldenberger M, Peters A, Colicino E, Whitsel EA, Baldassari A, Gharib SA, Sotoodehnia N, Brody JA, Sitlani CM, Tanaka T, Hill WD, Corley J, Deary IJ, Zhang Y, Schottker B, Brenner H, Walker ME, Ye S, Nguyen S, Pankow J, Demerath EW, Zheng Y, Hou L, Liang L, Lichtenstein AH, Hu FB, Fornage M, Voortman T, Levy D. Whole Blood DNA Methylation Signatures of Diet Are Associated With Cardiovascular Disease Risk Factors and All-Cause Mortality. *Circ Genom Precis Med*. 2020;13(4):e002766. doi: 10.1161/CIRCGEN.119.002766.](https://pmlegacy.ncbi.nlm.nih.gov/pubmed/?term=Whole+Blood+DNA+Methylation+Signatures+of+Diet+Quality)

1. [Reynolds LM, Magid HS, Chi GC, Lohman K, Barr RG, Kaufman JD, Hoeschele I, Blaha MJ, Navas-Acien A, Liu Y. Secondhand Tobacco Smoke Exposure Associations With DNA Methylation of the Aryl Hydrocarbon Receptor Repressor. *Nicotine Tob Res.* 2017;19(4):442-451.](https://www.ncbi.nlm.nih.gov/pubmed/27613907)
2. [Reynolds LM, Taylor JR, Ding J, Lohman K, Johnson C, Siscovick D, Burke G, Post W, Shea S, Jacobs DR Jr, Stunnenberg H, Kritchevsky SB, Hoeschele I, McCall CE, Herrington D, Tracy RP, Liu Y. Age-related variations in the methylome associated with gene expression in human monocytes and T cells. *Nat Commun*. 2014;5:5366. doi: 10.1038/ncomms6366.](https://www.ncbi.nlm.nih.gov/pubmed/25404168)
3. [Reynolds LM, Wan M, Ding J, Taylor JR, Lohman K, Su D, Bennett BD, Porter DK, Gimple R, Pittman GS, Wang X, Howard TD, Siscovick D, Psaty BM, Shea S, Burke GL, Jacobs DR Jr, Rich SS, Hixson JE, Stein JH, Stunnenberg H, Barr RG, Kaufman JD, Post WS, Hoeschele I, Herrington DM, Bell DA, Liu Y. DNA Methylation of the Aryl Hydrocarbon Receptor Repressor Associations With Cigarette Smoking and Subclinical Atherosclerosis. *Circ* *Cardiovasc Genet*. 2015;8(5):707-716.](https://www.ncbi.nlm.nih.gov/pubmed/26307030)
4. [Ricalde A, Allison M, Rifkin D, Shaw R. Anthropometric measures of obesity and renal artery calcification: Results from the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2018;271:142-147.](https://www.ncbi.nlm.nih.gov/pubmed/29518746)
5. [Richardson K, Nettleton JA, Rotllan N, Tanaka T, Smith CE, Lai CQ, Parnell LD, Lee YC, Lahti J, Lemaitre RN, Manichaikul A, Keller M, Mikkilä V, Ngwa J, van Rooij FJ, Ballentyne CM, Borecki IB, Cupples LA, Garcia M, Hofman A, Ferrucci L, Mozaffarian D, Perälä MM, Raitakari O, Tracy RP, Arnett DK, Bandinelli S, Boerwinkle E, Eriksson JG, Franco OH, Kähönen M, Nalls M, Siscovick DS, Houston DK, Psaty BM, Viikari J, Witteman JC, Goodarzi MO, Lehtimäki T, Liu Y, Zillikens MC, Chen YD, Uitterlinden AG, Rotter JI, Fernandez-Hernando C, Ordovas JM. Gain-of-Function Lipoprotein Lipase Variant rs13702 Modulates Lipid Traits through Disruption of a MicroRNA-410 Seed Site. *Am J Hum Genet*. 2013;92(1):5-14.](http://www.ncbi.nlm.nih.gov/pubmed/23246289)
6. [Rieke K, Durazo-Arvizu R, Liu K, Michos ED, Luke A, Kramer H. Association between anxiety levels and weight change in the multiethnic study of atherosclerosis. *J Obes*. 2014:894627.doi:10.1155/2014/894627.](http://www.ncbi.nlm.nih.gov/pubmed/25374677)
7. [Riestra P, Gebreab SY, Liu Y, Diez Roux AV, Khan RR, Gaye A, Xu R, Davis SK. Differentially conserved transcriptomic response to adversity related self-rated health in the multi-ethnic study of atherosclerosis. *Exp Biol Med (Maywood)*. 2017;242(18):1812-1819.](https://www.ncbi.nlm.nih.gov/pubmed/28927291)
8. [Rifkin DE, Khaki AR, Jenny NS, McClelland RL, Budoff M, Watson K, Ix JH, Allison MA. Association of Renin and aldosterone with ethnicity and blood pressure: the multi-ethnic study of atherosclerosis. *Am J Hypertens*. 2014;27(6):801-810.](http://www.ncbi.nlm.nih.gov/pubmed/24436325)
9. [Riggs KA, Joshi PH, Khera A, Otvos JD, Greenland P, Ayers CR, Rohatgi A. GlycA, hsCRP differentially associated with MI, ischemic stroke: In the Dallas Heart Study and Multi-Ethnic Study of Atherosclerosis: GlycA, hsCRP Differentially Associated MI, Stroke. *Am J Prev Cardiol*. 2022;12:100373. doi: 10.1016/j.ajpc.2022.100373. eCollection 2022 Dec.](https://pubmed.ncbi.nlm.nih.gov/36061365/)
10. [Rikhi R, Bhatia HS, Schaich CL, Ashburn N, Tsai MY, Michos ED, Chevli PA, Herrington DM, Tsimikas S, Shapiro MD. Association of Lp(a) (Lipoprotein[a]) and Hypertension in Primary Prevention of Cardiovascular Disease: The MESA. *Hypertension*. 2023;80(2):352-360.](https://pubmed.ncbi.nlm.nih.gov/36511156/)
11. [Rikhi R, Hammoud A, Ashburn N, Snavely AC, Michos ED, Chevli P, Tsai MY, Herrington D, Shapiro MD. Relationship of low-density lipoprotein-cholesterol and lipoprotein(a) to cardiovascular risk: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2022;363:102-108.](https://pubmed.ncbi.nlm.nih.gov/36253168/)
12. [Rikhi R, Schaich CL, Hafzalla GW, Patel NA, Tannenbaum JE, German CA, Polonsky T, Tsai MY, Ahmad MI, Islam T, Chevli PA, Shapiro MD. Small Dense Low-Density Lipoprotein Cholesterol and Coronary Artery Calcification in the Multi-Ethnic Study of Atherosclerosis. *Eur J Prev Cardiol*. 2024 Feb 7. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38323698/)
13. [Rivera JJ, Nasir K, Katz R, Takasu J, Allison M, Wong ND, Barr RG, Carr JJ, Blumenthal RS, Budoff MJ. Relationship of thoracic aortic calcium to coronary calcium and its progression (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2009;103(11):1562-1567.](http://www.ncbi.nlm.nih.gov/pubmed/19463516?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
14. [Robinson-Cohen C, Bartz TM, Lai D, Ikizler TA, Peacock M, Imel EA, Michos ED, Foroud TM, Akesson K, Taylor KD, Malmgren L, Matsushita K, Nethander M, Eriksson J, Ohlsson C, Mellstrom D, Wolf M, Ljunggren O, McGuigan F, Rotter JI, Karlsson M, Econsw MJ, Ix JH, Lutsey PL, Psaty BM, de Boer IH, Kestenbaum BR. Genetic Variants Associated with Circulating Fibroblast Growth Factor 23. *J Am Soc Nephrol*. 2018;29(10):2583-2592.](https://www.ncbi.nlm.nih.gov/pubmed/30217807)
15. [Robinson-Cohen C, Boger CA, Gorski M, McMahon GM, Xu H, Chang YC, van der Most PJ, Navis G, Nolte IM, de Borst MH, Zhang W, Lehne B, Loh M, Tan ST, Boerwinkle E, Grams ME, Sekula P, LiM, Wilmot B, Moon JG, Scheet P, Cucca F, Xiao X, Lyytikainen LP, Delgado G, Grammer TB, Kleber ME, Sedaghat S, Rivadeneira F, Corre T, Kutalik Z, Bergmann S, Nielson CM, Srikanth P, Teumer A, Muller-Nurasyid M, Brockhaus AC, Pfeufer A, Rathmann W, Peters A, Matsumoto M, de Andrade M, Atkinson EJ, de Boer IH, Hwang SJ, Heid IM, Gogele M, Concas MP, Tanaka T, Bandinelli S, Nalls MA, Singleton A, Tajuddin SM, Adeyemo A, Zhou J, Doumatey A, McWeeney S, Murabito J, Franceschini N, Flessner M, Shlipak M, Wilson JG, Chen G, Rotimi CN, Zonderman AB, Evans MK, Ferrucci L, Devuyst O, Pirastu M, Shuliner A, Hicks AA, Pramstaller PP, Kestenbaum B, Kardia SLR, Turner ST, Study LC, Briske TE, Gieger C, Strauch K, Meisinger C, Meitinger T, Volker U, Nauck M, Volzke H, Vollenweider P, Bochud M, Waeber G, Kahonen M, Lehtimaki T, Marz W, Dehghan A, Franco OH, Uitterlinden AG, Hofman A, Taylor HA, Chambers JC, Kooner JS, Fox CS, Hitzemann R, Orwoll ES, Pattaro C, Schlessinger D, Kottgen A, Snieder H, Parsa A, Cohen DM. NFAT5 and SLC4A10 Loci Associate with Plasma Osmolality. *J Am Soc Nephrol*.2017;28(8):2311-2321.](https://www.ncbi.nlm.nih.gov/pubmed/28360221)
16. [Robinson-Cohen C, Hansen JG, Tang W, Hootman KC, Brannon PM, Houston DK, Kritchevsky SB, Harris TB, Garcia M, Lohman K, Liu Y, de Boer IH, Kestenbaum BR, Siscovick DS, Cassano PA. Genetic and environmental factors are associated with serum 25-hydroxyvitamin D concentrations in older African Americans. *J Nutr*. 2015;145(4):799-805.](https://www.ncbi.nlm.nih.gov/pubmed/25716552)
17. [Robinson-Cohen C, Hoofnagle AN, Ix JH, Sachs MC, Tracy RP, Siscovick DS, Kestenbaum BR, de Boer IH. Racial differences in the association of serum 25-hydroxyvitamin d concentration with coronary heart disease events. *JAMA*. 2013;310(2):179-188.](http://www.ncbi.nlm.nih.gov/pubmed/23839752)
18. [Robinson-Cohen C, Lutsey PL, Kleber ME, Nielson CM, Mitchell BD, Bis JC, Eny KM, Portas L, Eriksson J, Lorentzon M, Koller DL, Milaneschi Y, Teumer A, Pilz S, Nethander M, Selvin E, Tang W, Weng LC, Wong HS, Lai D, Peacock M, Hannermann A, Volker U, Homuth G, Nauk M, Murgia F, Pattee JW, Orwoll E, Zmuda JM, Riancho JA, Wolf M, Williams F, Penninx B, Econs MJ, Ryan KA, Ohlsson C, Paterson AD, Psaty BM, Siscovick DS, Rotter JI, Pirastu M, Streeten E, Marz W, Fox C, Coresh J, Wallaschofski H, Pankow JS, de Boer IH, Kestenbaum. Genetic Variants Associated with Circulating Parathyroid Hormone. *J Am Soc Nephrol*. 2017;28(5):1553-1565.](https://www.ncbi.nlm.nih.gov/pubmed/27927781)
19. [Robinson-Cohen C, Shlipak M, Sarnak M, Katz R, Peralta C, Young B, Hoofnagle AN, Szklo M, Ix JH, Psaty BM, de Boer IH, Kestenbaum B, Bansal N. Impact of Race on the Association of Mineral Metabolism With Heart Failure: the Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2020;105(4). pii: dgz218. doi: 10.1210/clinem/dgz218.](https://www.ncbi.nlm.nih.gov/pubmed/31760429)
20. [Robinson-Cohen C, Zelnick LR, Hoofnagle AN, Lutsey PL, Burke G, Michos ED, Shea SJC, Tracy R, Siscovick DS, Psaty B, Kestenbaum B, de Boer IH. Associations of Vitamin D-Binding Globulin and Bioavailable Vitamin D Concentrations With Coronary Heart Disease Events: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Clin Endocrinol Metab*. 2017;102(8):3075-3084.](https://www.ncbi.nlm.nih.gov/pubmed/28472285)
21. [Rodriguez CJ, Diez-Roux AV, Moran A, Jin Z, Kronmal RA, Lima J, Homma S, Bluemke DA, Barr RG. Left ventricular mass and ventricular remodeling among Hispanic subgroups compared with non-Hispanic blacks and whites: MESA (Multi-ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2010;55(3):234-242.](http://www.ncbi.nlm.nih.gov/pubmed/20117402)
22. [Rodriguez CJ, Soliman EZ, Alonso A, Swett K, Okin PM, Goff DC Jr, Heckbert SR. Atrial fibrillation incidence and risk factors in relation to race-ethnicity and the population attributable fraction of atrial fibrillation risk factors: the Multi-Ethnic Study of Atherosclerosis. *Ann Epidemiol*. 2015;25(2):71-76.](http://www.ncbi.nlm.nih.gov/pubmed/25523897)
23. [Rodriguez CP, Ogunmoroti O, Minhas AS, Vaidya D, Kazzi B, Osibogun O, Whelton S, Kovell LC, Harrington CM, Honiberg MC, Thamman R, Stein JH, Shapiro MD, Michos ED. Female-specific risk factors of parity and menopause age and risk of carotid plaque: the multi-ethnic study of atherosclerosis. *Am J Cardiovasc Dis*. 2023;13(4):222-234.](https://pubmed.ncbi.nlm.nih.gov/37736349/)
24. [Rodriguez CP, Ogunmoroti O, Quispe R, Osibogun O, Ndumele CE, Tcheugui JE, Minhas AS, Bertoni AG, Allison MA, Michos ED. The Association Between Multiparity and Adipokine Levels: The Multi-Ethnic Study of Atherosclerosis. *J Womens Health (Larchmt)*. 2022;31(5):741-749.](https://pubmed.ncbi.nlm.nih.gov/34747649/)
25. [Rodriguez DA, Evenson KR, Diez Roux AV, Brines SJ. Land use, residential density, and walking. The multi-ethnic study of atherosclerosis. *Am J Prev Med*. 2009;37(5):397-404.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Lan+use%2C+residential+density%2C+and+walking.+The+multi-ethnic+study+of+atherosclerosis)
26. [Rodriguez J, Jiang R, Johnson WC, MacKenzie BA, Smith LJ, Barr RG. The association of pipe and cigar use with cotinine levels, lung function, and airflow obstruction: a cross-sectional study. *Ann Intern Med*. 2010;152(4):201-210.](http://www.ncbi.nlm.nih.gov/pubmed/20157134)
27. [Rodriguez LA, Bradshaw PT, Shiboski SC, Fernandez A, Vittinghoff E, Herrington D, Ding J, Kanaya AM. Examining if the relationship between BMI and incident type 2 diabetes among middle-older aged adults varies by race/ethnicity: evidence from the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabet Med*. 2021;38(5):e14377. doi: 10.1111/dme.14377.](https://pubmed.ncbi.nlm.nih.gov/32750175/)
28. [Rodriguez LA, Jin Y, Talegawkar SA, de Oliveira Otto MC, Kandula NR, Herrinton DM, Kanaya AM. Differences in Diet Quality Among Multiple US Racial/Ethnic Groups From the Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study and the Multi-Ethnic Study of Atherosclerosis (MESA). *J Nutr*. 2020;150(6):1509-1515.](https://pubmed.ncbi.nlm.nih.gov/32133497/)
29. [Rodriguez LA, Kanaya AM, Shiboski SC, Fernandez A, Herrington D, Ding J, Bradshaw PT. Does NAFLD mediate the relationship between obesity and type 2 diabetes risk? evidence from the multi-ethnic study of atherosclerosis (MESA). *Ann Epidemiol*. 2021;63:15-21.](https://pubmed.ncbi.nlm.nih.gov/34293421/)
30. [Rodriguez LA, Shiboski SC, Bradshaw PT, Fernendez A, Herrington D, Ding J, Bradley RD, Kanaya AM. Predicting Non-Alcoholic Fatty Liver Disease for Adults Using Practical Clinical Measures: Evidence from the Multi-ethnic Study of Atherosclerosis. *J Gen Intern Med*. 2021;36(9):2648-2655.](https://pubmed.ncbi.nlm.nih.gov/33501527/)
31. [Roetker NS, Chen LY, Heckbert SR, Nazarian S, Soliman EZ, Bluemke DA, Lima JA, Alonso A. Relation of Systolic, Diastolic, and Pulse Pressures and Aortic Distensibility With Atrial Fibrillation (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2014;114(4):587-592.](http://www.ncbi.nlm.nih.gov/pubmed/24996553)
32. [Rogers S, McIntosh RL, Cheung N, Lim L, Wang JJ, Mitchell P, Kowalski JW, Nguyen H, Wong TY; International Eye Disease Consortium. The prevalence of retinal vein occlusion: pooled data from population studies from the United States, Europe, Asia, and Australia. *Ophthalmology*. 2010;117(2):313-319.](http://www.ncbi.nlm.nih.gov/pubmed/20022117)
33. [Rosario KF, Mehta A, Ayers C, Gonzalez PE, Pandey A, Khera R, Kaplan R, Blaha MJ, Khera A, Blumenthal RS, Nasir K, Rodriguez CJ, Joshi PH. Performance of the Pooled Cohort Equations in Hispanic Individuals Across the United States: Insights From the Multi-Ethnic Study of Atherosclerosis and the Dallas Heart Study. *J Am Heart Assoc*. 2021;10(9):e018410. doi: 10.1161/JAHA.120.018410.](https://pubmed.ncbi.nlm.nih.gov/33870702/)
34. [Rosen BD, Cushman M, Nasir K, Bluemke DA, Edvardsen T, Fernandes V, Lai S, Tracy RP, Lima JA. Relationship between C-reactive protein levels and regional left ventricular function in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol.* 2007;49(5):594-600.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17276184&query_hl=1&itool=pubmed_docsum)
35. [Rosen BD, Edvardsen T, Lai S, Castillo E, Pan L, Jerosch-Herold M, Sinha S, Kronmal R, Arnett D, Crouse JR, III, Heckbert SR, Bluemke DA, Lima JA. Left ventricular concentric remodeling is associated with decreased global and regional systolic function: the Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2005;112(7):984-991.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16103253)
36. [Rosen BD, Fernandes VR, Nasir K, Helle-Valle T, Jerosch-Herold M, Bluemke DA, Lima JA. Age, Increased Left Ventricular Mass, and Lower Regional Myocardial Perfusion Are Related to Greater Extent of Myocardial Dyssynchrony in Asymptomatic Individuals. The Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2009;120(10):859-866.](http://www.ncbi.nlm.nih.gov/pubmed/19704101?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
37. [Rosen BD, Fernandes V, McClelland RL, Carr JJ, Detrano R, Bluemke DA, Lima JA. Relationship between baseline coronary calcium score and demonstration of coronary artery stenoses during follow-up MESA (Multi-Ethnic Study of Atherosclerosis). *JACC Cardiovasc Imaging*.2009;2(10):1175-1183.](http://www.ncbi.nlm.nih.gov/pubmed/19833306?ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
38. [Rosen BD, Lima JA, Nasir K, Edvardsen T, Folsom AR, Lai S, Bluemke DA, Jerosch-Herold M. Lower Myocardial Perfusion Reserve Is Associated With Decreased Regional Left Ventricular Function in Asymptomatic Participants of the Multi-Ethnic Study of Atherosclerosis. *Circulation.* 2006;114(4):289-297.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16847154&query_hl=3&itool=pubmed_docsum)
39. [Rosen BD, Saad MF, Shea S, Nasir K, Edvardsen T, Burke G, Jerosch-Herold M, Arnett DK, Lai S, Bluemke DA, Lima JA. Hypertension and Smoking Are Associated With Reduced Regional Left Ventricular Function in Asymptomatic Individuals: The Multi-Ethnic Study of Atherosclerosis. *Journal of the American College of Cardiology.* 2006;47(6):1150-1158.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16545644&query_hl=15&itool=pubmed_docsum)
40. [Roy B, Diez-Roux AV, Seeman T, Ranjit N, Shea S, Cushman M. Association of optimism and pessimism with inflammation and hemostasis in the Multi-Ethnic Study of Atherosclerosis (MESA). *Psychosom Med*. 2010;72(2):134-140.](http://www.ncbi.nlm.nih.gov/pubmed/20100888?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)
41. [Rubin J, Blaha MJ, Budoff MJ, Rivera JJ, Shaw LJ, Blankstein R, Mallah MA, Carr JJ, Jones DL, Blumenthal RS, Nasir K. The relationship between resting heart rate and incidence and progression of coronary artery calcification: The multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2012; 220(1):194-200.](http://www.ncbi.nlm.nih.gov/pubmed/21763655)
42. [Rudolph KE, Sanchez BN, Stuart EA, Greenberg B, Fujishiro K, Wand GS, Shrager S, Seeman T, Diez Roux AV, Golden SH. Job Strain and Cortisol Diurnal Cycle in MESA: Accounting for Between- and Within-Day Variability. *Am J Epidemiol*. 2016;183(5):497-506.](http://www.ncbi.nlm.nih.gov/pubmed/26905339)
43. [Sabanayagam C, Lye WK, Klein R, Klein BE, Cotch MF, Wang JJ, Mitchell P, Shaw JE, Selvin E, Sharrett AR, Wong TY. Retinal microvascular calibre and risk of diabetes mellitus: a systematic review and participant-level meta-analysis. *Diabetologia*. 2015;58(11):2476-2485.](http://www.ncbi.nlm.nih.gov/pubmed/26232097)
44. [Sabanayagam C, Lye WK, Paterson E, Patterson CC, Maxwell AP, Abdul RBBM, Tai ES, Cheng CY, Kayama T, Yamashita H, Sarnak M, Shlipak M, Matsushita K, Mutlu U, Ikram MA, Klaver C, Kifley A, Mitchell P, Myers C, Klein BE, Klein R, Wong TY, McKay GJ. A systematic review and participant-level meta-analysis found little association of retinal microvascular caliber with reduced kidney function. *Kidney Int*. 2021:99(3):696-706.](https://pubmed.ncbi.nlm.nih.gov/32810524/)
45. [Sachs BC, Steenland K, Zhao L, Hughes TM, Weintraub S, Dodge HH, Barnes LL, Craft S, Parker ML, Goldstein FC. Expanded Demographic Norms for Version 3 of the Alzheimer Disease Centers’ Neuropsychological Test Battery in the Uniform Data Set. *Alzheimer Dis Assoc Disord*. 2020:34(3)191-197.](https://pubmed.ncbi.nlm.nih.gov/32483017/)
46. [Sachs MC, Enright PL, Hinckley Stukovsky KD, Jiang R, Barr RG. Performance of maximum inspiratory pressure tests and maximum inspiratory pressure reference equations for 4 race/ethnic groups. *Respir Care*. 2009;54(10):1321-1328.](http://www.ncbi.nlm.nih.gov/pubmed/19796411?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
47. [Sachs MC, Shoben A, Levin GP, Robinson-Cohen C, Hoofnagle AN, Swords-Jenny N, Ix JH, Budoff M, Lutsey PL, Siscovick DS, Kestenbaum B, de Boer IH. Estimating mean annual 25-hydroxyvitamin D concentrations from single measurements: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2013;97(6):1243-1251.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Estimating+mean+annual+25-hydroxyvitamin+D+concentrations)
48. [Sack CS, Doney BC, Podolanczuk AJ, Hooper LG, Seixas NS, Hoffman EA, Kawut SM, Vedal S, Raghu G, Barr RG, Lederer DJ, Kaufman JD. Occupational Exposures and Subclinical Interstitial Lung Disease: The MESA (Multi-Ethnic Study of Atherosclerosis) Air and Lung Studies. *Am J Respir Crit Care Med*. 2017;196(8):1031-1039.](https://www.ncbi.nlm.nih.gov/pubmed/28753039)
49. [Sack CS, Vedal S, Sheppard L, Raghu G, Barr RG, Podolanczuk A, Doney B, Hoffman EA, Gassett A, Hinckley-Stukovsky K, Williams K, Kawut S, Lederer DJ, Kaufman JD. Air pollution and subclinical interstitial lung disease: the Multi-Ethnic Study of Atherosclerosis (MESA) air- lung study. *Eur Respir J*. 2017;50(6). pii: 1700 559. doi: 10.1183/13993003.00559-2017.](https://www.ncbi.nlm.nih.gov/pubmed/29217611)
50. [Sack C, Wang M, Knutson V, Gassett A, Hoffman EA, Sheppard L, Barr RG, Kaufman JD, Smith B. Airway Tree Caliber and Susceptibility to Pollution-associated Emphysema: MESA Air and Lung Studies. *Am J Respir Crit Care Med*. 2024 Jan 16. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38226871/)
51. [Sacks FM, Liang L, Furtado JD, Cai T, Davidson WS, He, McClelland RL, Rimm EB, Jensen MK. Protein-Defined Subspecies of HDLs (High-Density Lipoproteins) and Differential Risk of Coronary Heart Disease in 4 Prospective Studies. *Arterioscler Thromb Vasc Biol*. 2020;40(11):2714-2727.](https://pubmed.ncbi.nlm.nih.gov/32907368/)
52. [Sagawa N, Olson NC, Ahuja V, Vishnu A, Doyle MF, Psaty BM, Jenny NS, Siscovick DS, Lemaitre RN, Steffen LM, Tsai MY, Sekikawa A. Long-chain n-3 polyunsaturated fatty acids are not associated with circulating T-helper 1 cells: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Prostaglandins Leukot Essent Fatty Acids*. 2017;125:37-42.](https://www.ncbi.nlm.nih.gov/pubmed/28987720)
53. [Sammut A, Shea S, Blumenthal RS, Szklo M, Bathon JM, Polak JF, Tracy R, Giles JT. Albuminuria in Rheumatoid Arthritis: Associations with Rheumatoid Arthritis Characteristics and Subclinical Atherosclerosis. *Arthritis Care Res (Hoboken)*. 2017;69(12):1799-1808.](https://www.ncbi.nlm.nih.gov/pubmed/28257609)
54. Sampson PD, Szpiro AA, Sheppard L, Lindstrom J, Kaufman JD. Pragmatic estimation of a spatio-temporal air quality model with irregular monitoring data. *Atmospheric Environment*. DOI:10.1016/j.atmosenv.2011.04.073.
55. [Samuel LJ, Dennison Himmelfarb CR, Szklo M, Seeman TE, Echeverria SE, Diez Roux AV. Social engagement and chronic disease risk behaviors: The Multi-Ethnic Study of Atherosclerosis. *Prev Med*. 2015;71C:61-66.](http://www.ncbi.nlm.nih.gov/pubmed/25524614)
56. [Sanampudi S, Teixido-Tura G, Fujii T, Noda C, Redhueil A, Wu CO, Hundley WG, Gomes AS, Bluemke DA, Lima JAC, Ambale-Venkatesh B. Thoracic Aortic Volume as a Predictor of Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis. *J Magn Reason Imaging*. 2023 Nov 2. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37916841/)
57. [Sanchez BN, Raghunathan TE, Diez Roux AV, Zhur Y, Lee O. Combining data from primary and ancillary surveys to assess the association between neighborhood-level characteristics and health outcomes: the Multi-Ethnic Study of Atherosclerosis. *Stat Med*. 2008;27(27):5745-5763.](http://www.ncbi.nlm.nih.gov/pubmed/18693328?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
58. [Sanchez BN, Wu M, Raghunathan TE, Diez-Roux AV. Modeling the salivary cortisol profile in population research: the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2012;176(10):918-928.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Modeling+the+salivary+cortisol+profile+in+population+research)
59. [Sanchez DR, Diez Roux AV, Michos ED, Blumenthal RS, Schreiner PJ, Burke GL, Watson K. Comparison of the racial/ethnic prevalence of regular aspirin use for the primary prevention of coronary heart disease from the multi-ethnic study of atherosclerosis. *Am J Cardiol*. 2011;107(1):41-46.](http://www.ncbi.nlm.nih.gov/pubmed/21146684)
60. [Sanchez OA, Duprez DA, Bahrami H, Daniels LB, Folsom AR, Lima JA, Maisel A, Peralta CA, Jacobs DR Jr. The associations between metabolic variables and NT-proBNP are blunted at pathological ranges: The Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2014;63(4):475-483.](http://www.ncbi.nlm.nih.gov/pubmed/24388001)
61. [Sanchez OA, Duprez DA, Bahrami H, Peralta CA, Daniels LB, Lima JA, Maisel A, Folsom AR, Jacobs DR. Changes in N-terminal pro-B-type natriuretic peptide and incidence of diabetes: The Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Metab*. 2015;41(5):378-386.](http://www.ncbi.nlm.nih.gov/pubmed/26047677)
62. [Sanchez OA, Duprez DA, Daniels LB, Maisel AS, Otvos JD, Peralta CA, Lima JA, Bahrami H, Jacobs DR Jr. The association between N-terminal pro B-type natriuretic peptide and lipoprotein particle concentration plateaus at higher N-terminal pro B-type natriuretic peptide values: Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2015;64(8):857-861](http://www.ncbi.nlm.nih.gov/pubmed/25931335)
63. [Sanchez OA, Jacobs DR Jr, Bahrami H, Peralta CA, Daniels LB, Lima JA, Maisel A, Duprez DA. Increasing aminoterminal-pro-B-type natriuretic peptide precedes the development of arterial hypertension: the multiethnic study of atherosclerosis. *J Hypertens*. 2015;33(5):966-974.](http://www.ncbi.nlm.nih.gov/pubmed/25909698)
64. [Sanchez OA, Lazo-Elizondo M, Zeb I, Tracy RP, Bradley R, Duprez DA, Bahrami H, Peralta CA, Daniels LB, Lima JA, Maisel A, Jacobs DR Jr, Budoff MJ. Computerized tomography measured liver fat is associated with low levels of N-terminal pro-brain natriuretic protein (NT-proBNP). Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2016;65(5):728-735.](http://www.ncbi.nlm.nih.gov/pubmed/27085779)
65. [Sanchez TR, Oelsner EC, Lederer DJ, Lo Cascio CM, Jones MR, Grau-Perez M, Francesconi KA, Goessler W, Perzanowski MS, Barr RG, Navas-Acien A. Rice Consumption and Subclinical Lung Disease in US Adults: Observational Evidence from the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2019;188(9):1655-1665.](https://www.ncbi.nlm.nih.gov/pubmed/31145426)
66. [Sandesara PB, Mehta A, O’Neal WT, Kelli HM, Sathiyakumar V, Martin SS, Blaha MJ, Blumenthal RS, Sperling LS. Association of Elevated High-Density Lipoprotin Cholesterol and Particle Concentration With Coronary Artery Calcium: The Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2020;13(7):e010473. doi: 10.1161/CIRCIMAGING.120.010473.](https://pubmed.ncbi.nlm.nih.gov/32605383/)
67. [Sandesara PB, Mehta A, O’Neal WT, Kelli HM, Sathiyakumar V, Martin SS, Blaha MJ, Blumenthal RS, Sperling LS. Clinical significance of zero coronary artery calcium in individuals with LDL cholesterol >190 mg/dL: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2020;292:224-229.](https://www.ncbi.nlm.nih.gov/pubmed/31604582)
68. [Sandoval Y, Bielinski SJ, Daniels LB, Blaha MJ, Michos ED, DeFilippis AP, Szklo M, deFilippi C, Larson NB, Decker PA, Jaffe AS. Atherosclerotic Cardiovascular Disease Risk Stratification Based on Measurements of Troponin and Coronary Artery Calcium. *J Am Coll Cardiol*. 2020;76(4):357-370.](https://pubmed.ncbi.nlm.nih.gov/32703505/)
69. [Sands SA, Alex RM, Mann D, Vena D, Terrill PI, Gell LK, Zinchuk A, Sofer T, Patel SR, Taranto-Montemurro L, Azarbarzin A, Rueschman M, White DP, Wellman A, Redline S. Pathophysiology Underlying Demographic and Obesity Determinants of Sleep Apnea Severity. *Ann Am Thorac Soc*. 2023;20(3):440-449.](https://pubmed.ncbi.nlm.nih.gov/36287615/)
70. [Sarma AA, Paniagua SM, Lau ES, Wang D, Liu EE, Larson MG, Hamburg NM, Mitchell GF, Kizer J, Psaty BM, Allen NB, Lely AT, Gansevoort RT, Rosenberg E, Mukamal K, Benjamin EJ, Vasan RS, Cheng S, Levy D, DE Boer RA, Gottdiener JS, Shah SJ, Ho JE. Multiple Prior Live Births Are Associated With Cardiac Remodeling and Heart Failure Risk in Women. *J Card Fail*. 2023;29(7):1032-1042.](https://pubmed.ncbi.nlm.nih.gov/36638956/)

1. [Sarnak MJ, Katz R, Ix JH, Kimmel PL, Bonventre JV, Schelling J, Cushman M, Vasan RS, Waikar SS, Greenberg JH, Parikh CR, Coco SG, Sabbisetti V, Jogalekar MP, Rebholz C, Zheng Z, Gutierrez OM. Shlipak MG. Plasma Biomarkers as Risk Factors for Incident CKD. *Kidney Int Rep*. 2022;7(7):1493-1501.](https://pubmed.ncbi.nlm.nih.gov/35812266/)
2. [Sawicki KT, Nannini DR, Bielinski S, Larson NB, Lloyd-Jones DM, Psaty B, Tayler KD, Shah SJ, Rasmussen-Torvik LJ, Wilkins JT, McNally EM, Patel RB. Secretory leukocyte protease inhibitor and risk of heart failure in the Multi-Ethnic Study of Atherosclerosis. *Sci Rep*. 2023;13(1):604. doi: 10.1038/s41598-023-27679-0.](https://pubmed.ncbi.nlm.nih.gov/36635319/)
3. [Sayanthan S, Allison MA, Budoff MJ, Rye KA, Ong KL. Relationship of fibroblast growth factor 21 with the prevalence and progression of vascular and valvular calcification: Multi-ethnic study of atherosclerosis. *Int J Cardiol*. 2023;370:388-395.](https://pubmed.ncbi.nlm.nih.gov/36306948/)
4. [Schaich CL, Bancks MP, Hayden KM, Ding J, Rapp SR, Bertoni AG, Heckbert SR, Hughes TM, Mongraw-Chaffin M. Visit-to-Visit Glucose Variability, Cognition, and Global Cognitive Decline: The Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2023;109(1):e243-e252. doi: 10.1210/clinem/dgad444.](https://pubmed.ncbi.nlm.nih.gov/37497618/)
5. [Schaich CL, Malaver D, Chen H, Shaltout HA, Zeki Al Hazzouri A, Herrington DM, Hughes TM. Association of Heart Rate Variability With Cognitive Performance: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2020;9(7):e013827. doi: 10.1161/JAHA.119.013827.](https://www.ncbi.nlm.nih.gov/pubmed/32200711)
6. [Schaich CL, Yeboah J, Espeland MA, Baker LD, Ding J, Hayden KM, Sachs BC, Craft S, Rapp SR, Luchsinger JA, Fitzpatrick AL, Heckbert SR, Post WS, Burke GL, Allen NB, Hughes TM. Association of Vascular Risk Scores and Cognitive Performance in a Diverse Cohort: The Multi-Ethnic Study of Atherosclerosis. *J Gerontol A Biol Sci Med Sci*. 2022;77(6):1208-1215.](https://pubmed.ncbi.nlm.nih.gov/34216214/)

1. [Scheuner MT, Setodji CM, Pankow JS, Blumenthal RS, Keeler E. Relation of familial patterns of coronary heart disease, stroke, and diabetes to subclinical atherosclerosis: the multi-ethnic study of atherosclerosis. *Genet Med*. 2008;10(12):879-887.](http://www.ncbi.nlm.nih.gov/pubmed/19092440?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
2. [Scheuner MT, Setodji CM, Pankow JS, Blumenthal RS, Keeler E. General cardiovascular risk profile identifies advanced coronary artery calcium and is improved by family history: the multiethnic study of atherosclerosis. *Circ Cardiovasc Genet*. 2010;3(1):97-105.](http://www.ncbi.nlm.nih.gov/pubmed/20160201?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
3. [Schilling K, Glabonjat RA, Balac O, Galvez-Fernandez M, Domingo-Relloso A, Slavkovich V, Goldsmith J, Jones MR, Sanchez TR, Navas-Acien A. Method validation for (ultra)-trace element concentrations in urine for small sample volumes in large epidemiological studies: application to the population-based epidemiological multi-ethnic study of atherosclerosis (MESA). *Anal Methods*. 2024;16(2)214-226.](https://pubmed.ncbi.nlm.nih.gov/38099473/)

1. [Schmitz LL, Zhao W, Ratliff SM, Goodwin J, Miao J, Lu Q, Guo X, Taylor KD, Ding J, Liu Y, Levine M, Smith JA. The Socioeconomic Gradient in Epigenetic Ageing Clocks: Evidence from the Multi-Ethnic Study of Atherosclerosis and the Health and Retirement Study. *Epigenetics*. 2022;17(6):589-611.](https://pubmed.ncbi.nlm.nih.gov/34227900/)
2. [Seeman T, Thomas D, Merkin SS, Moore K, Watson K, Karlamangla A. The Great Recession worsened blood pressure and blood glucose levels in American adults. *Proc Natl Acad Sci U S A*. 2018;115(13):3296-3301.](https://www.ncbi.nlm.nih.gov/pubmed/29531048)
3. [Seliger SL, Hong SN, Christenson RH, Kronmal R, Daniels LB, Lima JAC, de Lemos JA, Bertoni A, deFilippi CR. High-Sensitive Cardiac Troponin T as an Early Biochemical Signature for Clinical and Subclinical Heart Failure: MESA (Multi-Ethnic Study of Atherosclerosis). *Circulation*. 2017;135(16):1494-1505.](https://www.ncbi.nlm.nih.gov/pubmed/28159799)
4. [Selvaraj MS, Li X, Li Z, Pampana A, Zhang DY, Park J, Aslibekyan S, Bis JC, Brody JA, Cade B, Chuang LM, Chung RH, Curran JE, de Las Fuentes L, de Vries PS, Duggirala R, Freedman BI, Graff M, Guo X, Heard-Costa N, Hidalgo B, Hwu CM, Irvin MR, Kelly TN, Kral BG, Lange L, Li X, Lisa M, Lubitz SA, Manichaikul AW, Michael P, Montasser ME, Morrison AC, Naseri T, O’Connell JR, Palmer ND, Peyser PA, Reupena MS, Smith JA, Sun X, Taylor KD, Tracy RP, Tsai MY, Wang Z, Wang Y, Wilkins JT, Yanek LR, Zhao W, Arnett DK, Blangero J, Boerwinkle E, Bowden DW, Chen YDI, Correa A, Cupples LA, Dutcher SK, Elinor PT, Fornage M, Gabriel S, Germer S, Gibbs R, He J, Kaplan RC, Kardia SLR, Kim R, Kooperberg C, Loos JRF, Viaud-Martinez KA, Mathias RA, McGarvey ST, Mitchell BD, Nickerson D, North KE, Psaty BM, Redline S, Reiner AP, Vasan RS, Rich SS, Willer C, Rotter JI, Rader DJ, Lin X; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Peloso GM, Natarajan P. Whole genome sequence analysis of blood lipid levels in >66,000 individuals. *Nat Commun*. 2022;13(1):5995. doi: 10.1038/s41467-022-33510-7.](https://pubmed.ncbi.nlm.nih.gov/36220816/)
5. [Senn MK, Harris WS, Tintle NL, Imamura F, Qian F, Ardisson Korat AV, Marklund M, Djousse L, Bassett JK, Carmichael PH, Chen YY, Hirakawa Y, Kupers LK, Laguzzi F, Lankinen M, Murphy RA, Samieri C, Shi P, Virtanen JK, Brouwer IA, Chien KL, Eiriksdottir G, Forouhi NG, Geleijnse JM, Giles GG, Gudnason V, Helmer C, Hodge A, Jackson R, Khaw KT, Laakso M, Lai H, Laurin D, Leander K, Lindsay J, Micha R, Mursu J, Ninomiya T, Post W, Psaty BM, Riserus U, Robinson JG, Shadyab AH, Snetselaar L, Sala-Vila A, Sun Y, Steffen LM, Tsai MY, Wareham NJ, Wood AC, Wu JHY, Hu F, Sun Q, Siscovick DS, Lemaitre RN, Mozaffarian D, Fatty Acids and Outcomes Research Consortim (FORCE). Blood n-3 fatty acid levels and total and cause-specific mortality from 17 prospective studies. *Nat Commun*. 2021;12(1):2329. doi: 10.1038/s41467-021-22370-2.](https://pubmed.ncbi.nlm.nih.gov/33888689/)
6. [Senn MK, Ong KL, Marklund M, Huang L, Rye KA, Hui N, Pan XF, Rebholz CM, Kim H, Steffen LM, van Westing AC, Geleijnse JM, Hoogeveen EK, Chen YY, Chien KL, Fretts AM, Lemaitre RN, Imamura F, Forouhi N, Wareham NJ, Birukov A, Jager S, Kuxhaus O, Schulze MB, de Mello VD, Tuomilehto J, Uusitupa M, Lindstrom J, Tintle N, Harris WS, Yamasaki K, Hirakawa Y, Ninomiya T, Tanaka T, Ferrucci L, Bandinelli S, Viratanen JK, Voutilaninen A, Jayasena T, Thalamuthu A, Poljak A, Bustamante S, Sachdev PS, Rich SS, Tsai MY, Wood AC, Laakso M, Lankinen M, Yang X, Sun L, Li X, Lin X, Nowak C, Arnlov J, Riserus U, Lind L, Le Goff M, Samieri C, Helmer C, Qian F, Micha R, Tin A, Kottgen A, de Boer IH, Siscovick DS, Mozaffarian D, Wu JH. Association of omega 3 polyunsaturated fatty acids with incident chronic kidney disease: pooled analysis of 19 cohorts. *BMJ*. 2023;380:e072909. doi: 10.1136/bmj-2022-072909.](https://pubmed.ncbi.nlm.nih.gov/36653033/)
7. [Seplyarskiy VB, Soldatov RA, Koch E, McGinty RJ, Goldmann JM, Hernandez RD, Barnes K, Correa A, Burchard EG, Ellinor PT, McGarvey ST, Mitchell BD, Vasan RS, Redline S, Silverman E, Weiss ST, Arnett DK, Blangero J, Boerwinkle E, He J, Montgomery C, Rao DC, Rotter JI, Taylor KD, Brody JA, Chen YDI, de Las Fuentes L, Hwu CM, Rich SS, Manichaikul AW, Mychaleckyj JC, Palmer ND, Smith JA, Kardia SLR, Peyser PA, Bielak LF, O’Connor TD, Emery LS; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Population Genetics Working Group; Gilissen C, Wong WSW, Kharchenko PV, Sunyaev S. Population sequencing data reveal a compendium of mutational processes in the human germ line. *Science*. 2021;373(6558):1030-1035.](https://pubmed.ncbi.nlm.nih.gov/34385354/)
8. [Setodji CM, Scheuner M, Pankow JS, Blumenthal RS, Chen H, Keeler E. A graphical method for assessing risk factor threshold values using generalized additive model: the multi-ethnic study of atherosclerosis. *Health Serv Outcomes Res Methodol*. 2012;12(1):62-79.](http://www.ncbi.nlm.nih.gov/pubmed/22593642)
9. [Shabani M, Bakhshi H, Ostovaneh MR, Ma X, Wu CO, Ambale-Venkatesh B, Blaha MJ, Allison MA, Budoff MJ, Cushman M, Tracy RP, Herrington DM, Szklo M, Cox C, Bluemke DA, Lima JAC. Temporal change in inflammatory biomarkers and risk of cardiovascular events: the Multi-ethnic Study of Atherosclerosis. *ESC Heart Fail*. 2021;8(5):3769-3782.](https://pubmed.ncbi.nlm.nih.gov/34240828/)
10. [Shabani M, Dutta D, Ambale-Venkatesh B, Post WS, Taylor KD, Rich SS, Wu CO, Pereira NL, Shah SJ, Chatterjee N, Rotter JI, Arking DE, Lima JAC. Rare Genetic Variants Associated With Myocardial Fibrosis: Multi-Ethnic Study of Atherosclerosis. *Front Cardiovasc Med*. 2022;9:804788. doi: 10.3389/fcvm.2022.804788. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35265679/)
11. [Shabani M, Nakao T, Bick AG, Taub MA, Zekavat SM, Uddin MM, Niroula A, Carty CL, Lane J, Honigberg MC, Weinstock JS, Pampana A, Gibson CJ, Griffin GK, Clarke SL, Bhattacharya R, Assimes TL, Emery LS, Stilp AM, Wong Q, Broome J, Laurie CA, Khan AT, Smith AV, Blackwell TW, Codd V, Nelson CP, Yoneda ZT, Peralta JM, Bowden DW, Irvin MR, Boorgula M, Zhao W, Yanek LR, Wiggins KL, Hixson JE, Gu CC, Peloso GM, Roden DM, Reupena MS, Hwu CM, DeMeo DL, North KE, Kelly S, Musani SK, Bis JC, Lloyd-Jones DM, Johnson JM, Preuss M, Tracy RP, Peyser PA, Qiao D, Desai P, Curran JE, Freedman BI, Tiwari HK, Chavan S, Smith JA, Smith NL, Kelly TN, Hidalgo B, Cupples LA, Weeks DE, Hawley NL, Minster RL; Samoan Obesity, Lifestyle and Genetic Adaptations Study (OLaGA) Group; Deka R, Naseri TT, de Las Fuentes L, Raffield LM, Morrison AC, Vries PS, Ballantyne CM, Kenny EE, Rish SS, Whitsel EA, Cho MH, Shoemaker MB, Pace BS, Blangero J, Palmer ND, Mitchell BD, Shuldiner AR, Barnes KC, Redline S, Kardia SLR, Abecasis GR, Becker LC, Heckbert SR, He J, Post W, Arnett DK, Vasan RS, Darbar D, Weiss ST, McGarvey ST, de Andrade M, Chen YDI, Kaplan KC, Meyers DA, Custer BS, Correa A, Psaty BM, Fornage M, Manson JE, Boerwinkle E, Konkle BA, Loos RJF, Rotter JI, Silverman EK, Kooperberg C, Danesh J, Samani NJ, Jaiswal S, Libby P, Ellinor PT, Pankratz N, Ebert BL, Reiner AP, Mathias RA, Do R; NHLBI Trans-Omics for Precision Medicine (TOPMed0 Consortium; Natarajan P. Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. *Sci Adv*. 2022;8(14):eab16579. doi: 10.1126/sciadv.ab16579.](https://pubmed.ncbi.nlm.nih.gov/35385311/)
12. [Shabani M, Ostovaneh MR, Ma X, Ambale Venkatesh B, Wu CO, Chahal H, Bakhshi H, McClelland RL, Liu K, Shea SJ, Burke G, Post WS, Watson KE, Folsom AR, Bluemke DA, Lima JAC. Pre-diagnostic predictors of mortality in patients with heart failure: The multi-ethnic study of atherosclerosis. *Front Cardiovasc Med*. 2022;9:1024031. doi: 10.3389/fcvm.2022.1024031. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/36620619/)
13. [Shabani M, Pishgar F, Akhtarkhavari S, Quinaglia T, Budoff MJ, Bluemke DA, Barr RG, Post WS, Wu CO, Arbab-Zadeh A, Sidhaye A, Lima JAC, Demehri S. Association of Quantified Costal Cartilage Calcification and Long-Term Cumulative Blood Glucose Exposure: The Multi-Ethnic Study of Atherosclerosis. *Front Endocrinol (Lausanne)*. 2021;12:785957. doi: 10.3389/fendo.2021.785957. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34966360/)
14. [Shah AD, Kandula NR, Lin F, Allison MA, Carr J, Herrington D, Liu K, Kanaya AM. Less favorable body composition and adipokines in South Asians compared with other US ethnic groups: results from the MASALA and MESA studies. *Int J Obes (Lond)*. 2016;40(4):639-645.](http://www.ncbi.nlm.nih.gov/pubmed/26499444)
15. [Shah N, Reid M, Mani V, Kundel V, Kaplan RC, Kizer JR, Fayad ZA, Shea S, Redline S. Sleep apnea and carotid atherosclerosis in the Multi-Ethnic Study of Atherosclerosis (MESA): leveraging state-of-the art vascular imaging. *Int J Cardiovasc Imaging*. 2023;39(3):621-630.](https://pubmed.ncbi.nlm.nih.gov/36316593/)
16. [Shah NA, Reid M, Kizer JR, Sharma RK, Shah RV, Kundel V, Bharath Ambale-Venkatesh, Fayed ZA, Shea SJ, Kaplan RC, Lima JAC, Redline S. Sleep-disordered Breathing and Left Ventricular Scar on Cardiac Magnetic Resonance: Results of the Multi-Ethnic Study of Atherosclerosis. *J Clin Sleep Med*. 2020;16(6):855-862.](https://pubmed.ncbi.nlm.nih.gov/32029066/)
17. [Shah NS, Huang X, Petito LC, Bancks MP, Kanaya AM, Talegawkar S, Farhan S, Carnethon MR, Lloyd-Jones DM, Allen NB, Kandula NR, Khan SS. Social and psychosocial determinants of racial and ethnic differences in cardiovascular health: The MASALA and MESA studies. *Am J Prev Cardiol*. 2024;17:100636. doi: 10.1016/j.ajpc.2024.100636. eCollection 2024 Mar.](https://pubmed.ncbi.nlm.nih.gov/38322182/)
18. [Shah RV, Abbasi SA, Heydari B, Rickers C, Jacobs DR Jr, Wang L, Kwong RY, Bluemke DA, Lima JA, Jerosch-Herold M. Insulin Resistance, Subclinical Left Ventricular Remodeling, and the Obesity Paradox: MESA (The Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2013;61(16):1698-1706.](http://www.ncbi.nlm.nih.gov/pubmed/23500236)
19. [Shah RV, Allison MA, Lima JA, Abbasi SA, Eisman A, Lai C, Jerosch-Herold MJ, Budoff M, Murthy VL. Abdominal fat radiodensity, quantity and cardiometabolic risk: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2016;26(2):114-122.](http://www.ncbi.nlm.nih.gov/pubmed/26817938)
20. [Shah RV, Allison MA, Lima JA, Abbasi SA, Mongraw-Chaffin M, Jerosch-Herold M, Ding J, Budoff MJ, Murthy VL. Liver steatosis and the risk of albuminuria: the multi-ethnic study of atherosclerosis. *J Nephrol*. 2015;28(5):577-584.](http://www.ncbi.nlm.nih.gov/pubmed/25712234)
21. [Shah RV, Allison MA, Lima JA, Bluemke DA, Abbasi SA, Ouyang P, Jerosch-Herold M, Ding J, Budoff MJ, Murthy VL. Liver fat, statin use, and incident diabetes: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis.* 2015:242(1):211-217.](http://www.ncbi.nlm.nih.gov/pubmed/26209814)
22. [Shah RV, Anderson A, Ding J, Budoff M, Rider O, Peterson SE, Jensen MK, Koch M, Allison M, Kawel-Boehm N, Wisocky J, Jerosch-Herold M, Mukamal K, Lima JAC, Murthy VL. Pericardial, But Not Hepatic, Fat by CT Is Associated With CV Outcomes and Structure: The Multi-Ethnic Study of Atherosclerosis. *JACC Cardiovasc Imaging*. 2017;10(9):1016-1027.](https://www.ncbi.nlm.nih.gov/pubmed/28330662)
23. [Shah RV, Murthy VL, Abbasi SA, Blankstein R, Kwong RY, Goldfine AB, Jerosch-Herold M, Lima JA, Ding J, Allison MA. Visceral Adiposity and the Risk of Metabolic Syndrome Across Body Mass Index: The MESA Study. *JACC Cardiovasc Imaging*. 2014;7(12):1221-1235.](http://www.ncbi.nlm.nih.gov/pubmed/25440591)
24. [Shah RV, Murthy VL, Abbasi SA, Eng J, Wu C, Ouyang P, Kwong RY, Goldfine A, Bluemke DA, Lima J, Jerosch-Herold M. Weight loss and progressive left ventricular remodeling: The Multi-Ethnic Study of Atherosclerosis (MESA). *Eur J Prev Cardiol*. 2014.pii:2047487314541731.](http://www.ncbi.nlm.nih.gov/pubmed/25009171)
25. [Shah RV, Murthy VL, Allison MA, Ding J, Budoff M, Frazier-Wood AC, Lima JA, Steffen L, Siscovick D, Tucker KL, Ouyang P, Abbasi SA, Danielson K, Jerosch-Herold M, Mozaffarian D. Diet and adipose tissue distributions: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2016;26(3):185-193.](http://www.ncbi.nlm.nih.gov/pubmed/26899879)
26. [Shah S, Segar MW, Kondamudi N, Ayers C, Chandra A, Matulevicius S, Agusala K, Peshock R, Abbara S, Michos ED, Drazner MH, Lima JAC, Longstreth Jr WT, Pandey A. Supranormal Left Ventricular Ejection Fraction, Stroke Volume, and Cardiovascular Risk: Findings From Population-Based Cohort Studies. *JACC Heart Fail*. 2022;10(8):583-594.](https://pubmed.ncbi.nlm.nih.gov/35902163/)
27. [Shah SA, Herrington DM, Howard TD, Divers J, Arnett DK, Burke GL, Hong Kao W, Guo X, Siscovick DS, Chakravarti A, Lima JA, Psaty BM, Tomaselli GF, Rich SS, Bowden DW, Post W. Associations between NOS1AP Single Nucleotide Polymorphisms (SNPs) and QT Interval Duration in Four Racial/Ethnic Groups in the Multi-Ethnic Study of Atherosclerosis (MESA). *Ann Noninvasive Electrocardiol*. 2013;18(1):29-40.](http://www.ncbi.nlm.nih.gov/pubmed/23347024)
28. [Shah SA, Kambur T, Chan C, Herrington DM, Liu K, Shah SJ. Relation of Short-Term Heart Rate Variability to Incident Heart Failure (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol.* 2013;112(4):533-540.](http://www.ncbi.nlm.nih.gov/pubmed/23683953)
29. [Shahar E, Burke GL, Cushman M, Heckbert SR, Ouyang P, Szklo M. Post menopausal hormones and measures of subclinical atherosclerosis: The multi-ethnic study of atherosclerosis. *Prev Med*. 2008;47(1):38-45.](http://www.ncbi.nlm.nih.gov/pubmed/18234323?ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

1. [Sharma A, Ogunmoroti O, Fashanu OE, Zhao D, Ouyang P, Budoff MJ, Thomas IC, Michos ED. Associations of endogenous sex hormone levels with the prevalence and progression of valvular and thoracic aortic calcification in the Multi-Ethnic Study of Atherosclerosis (MESA).](https://pubmed.ncbi.nlm.nih.gov/34785061/) *[Atherosclerosis](https://pubmed.ncbi.nlm.nih.gov/34785061/)*[. 2022;341:71-79.](https://pubmed.ncbi.nlm.nih.gov/34785061/)

1. [Sharma K, Al Rifai M, Ahmed HM, Dardari Z, Silverman MG, Yeboah J, Nasir K, Sklo M, Yancy C, Russell SD, Blumenthal RS, Blaha MJ. Usefulness of Coronary Artery Calcium to Predict Heart Failure With Preserved Ejection Fraction in Men Versus Women (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2017;120(10):1847-1853.](https://www.ncbi.nlm.nih.gov/pubmed/28985952)
2. [Sharma RK, Donekal S, Rosen BD, Tattersall MC, Volpe GJ, Ambale-Venkatesh B, Nasir K, Wu CO, Polak JF, Korcarz CE, Stein JH, Carr J, Watson, KE, Bluemke DA, Lima JA. Association of subclinical atherosclerosis using carotid intima-media thickness, carotid plaque, and coronary calcium score with left ventricular dyssynchrony: The multi-ethnic Study of Atherosclerosis. *Atherosclerosis*. 2015;239(2):412-418.](http://www.ncbi.nlm.nih.gov/pubmed/25682041)
3. [Sharma RK, Volpe G, Rosen BD, Ambale-Venkatesh B, Donekal S, Fernandes V, Wu CO, Carr J, Bluemke DA, Lima JA. Prognostic implications of left ventricular dyssynchrony for major adverse cardiovascular events in asymptomatic women and men: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2014;3(4). pii: e000975. doi: 10.1161/JAHA.114.000975.](http://www.ncbi.nlm.nih.gov/pubmed/25092789)
4. [Sharma S, Colangelo LA, Allison MA, Lima JA, Ambale-Venkatesh B, Kisha S, Liu K, Greenland P. Association of serum leptin with future left ventricular structure and function: The Multi-Ethnic Study of Atherosclerosis (MESA). *Int J Cardiol*. 2015;193:64-68.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Association+of+serum+leptin+with+future+left+ventricular+structure)

1. [Shastri S, Katz R, Shlipak MG, Kestenbaum B, Peralta CA, Kramer H, Jacobs DR Jr, de Boer IH, Cushman M, Siscovick D, Sarnak MJ. Cystatin C and Albuminuria as Risk Factors for Development of CKD Stage 3: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2011;57(6):832-840.](http://www.ncbi.nlm.nih.gov/pubmed/21296473)
2. [Shavelle DM, Katz R, Takasu J, Lima JA, Jenny NS, Budoff MJ, O’Brien KD. Soluble Intercellular Adhesion Molecule-1 (sICAM-1) and Aortic Valve Calcification in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Heart Valve Dis.* 2008;17:388-395.](http://www.ncbi.nlm.nih.gov/pubmed/18751468?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

1. [Sharrett AR, Ding J, Criqui MH, Saad MF, Liu K, Polak JF, Folsom AR, Tsai MY, Burke GL, Szklo M. Smoking, diabetes, and blood cholesterol differ in their associations with subclinical atherosclerosis: The Multiethnic Study of Atherosclerosis (MESA).](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16154575) *[Atherosclerosis.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16154575)* [2006;186(2):441-447.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16154575)
2. [Shaw LJ, Goyal A, Mehta C, Xie J, Phillips L. Kelkar A, Knapper J, Berman DS, Nasir K, Veledar E, Blaha M, Blumenthal R, Min JK, Fazel R, Wilson PWF, Budoff MJ. 10-Year Resource Utilization and Costs for Cardiovascular Care. *J Am Coll Cardiol*. 2018;71(10):1078-1089.](https://www.ncbi.nlm.nih.gov/pubmed/29519347)
3. [Shea MK, Barger K, Booth SL, Matuszek G, Cushman M, Benjamin EJ, Kritchevsky SB, Weiner DE. Vitamin K Status, Cardiovascular Disease, and All-Cause Mortality: A Participant-Level Meta-Analysis of 3 US Cohorts. *Am J Clin Nutr*. 2020;111(6):1170-1177.](https://pubmed.ncbi.nlm.nih.gov/32359159/)
4. [Shea MK, Booth SL, Miller ME, Burke GL, Chen H, Cushman M, Tracy RP, Kritchevsky SB. Association between circulating vitamin K1 and coronary calcium progression in community-dwelling adults: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr*. 2013;98(1):197-208.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Association+between+circulating+vitamin+K1+and+coronary+calcium+progression+in+community-dwelling+adults%3A+the+Multi-Ethnic)
5. [Shea MK, Booth SL, Nettleton JA, Burke GL, Chen H, Kritchevsky SB. Circulating phylloquinone concentrations of adults in the United States differ according to race and ethnicity. *J Nutr*. 2012;142(6):1060-1066.](http://www.ncbi.nlm.nih.gov/pubmed/22496402)
6. [Shea MK, Cushman M, Booth SL, Burke GL, Chen H, Kritchevsky SB. Associations between vitamin K status and haemostatic and inflammatory biomarkers in community-dwelling adults. The Multi-Ethnic Study of Atherosclerosis. *Thromb Haemost*. 2014;112(3):438-444.](http://www.ncbi.nlm.nih.gov/pubmed/24849546)
7. [Shea MK, Dashti HS, Smith CE, Tanaka T, Hruby A, Richardson K, Wang TJ, Nalls MA, Guo X, Liu Y, Yao J, Li D, Johnson WC, Benjamin EJ, Kritchevsky SB, Siscovick DS, Ordovas JM, Booth SL. Meta-analysis of genome-wide association studies for circulating phylloquinone concentrations. *Am J Clin Nutr*. 2014;100(6):1462-1469.](https://www.ncbi.nlm.nih.gov/pubmed/25411281)
8. [Shea S, Lima J, Diez-Roux A, Jorgensen NW, McClelland RL. Socioeconomic Status and Poor Health Outcome at 10 Years of Follow-Up in the Multi-Ethnic Study of Atherosclerosis. *PLoS One*. 2016;11(11):e0165651. doi: 10.1371/journal.pone.0165651. eCollection 2016.](https://www.ncbi.nlm.nih.gov/pubmed/27875557)
9. [Shea S, Navas-Acien A, Shimbo D, Brown ER, Budoff M, Bancks MP, Barr RG, Kronmal R. Spatially Weighted Coronary Artery Calcium Score and Coronary Heart Disease Events in the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Imaging*. 2021;14(1):e011981. doi: 10.1161/CIRCIMAGING.120.011981.](https://pubmed.ncbi.nlm.nih.gov/33461306/)
10. [Shea S, Stein JH, Jorgensen NW, McClelland RL, Tascau L, Shrager S, Heinecke JW, Yvan-Charvet L, Tall AR. Cholesterol Mass Efflux Capacity, Incident Cardiovascular Disease, and Progression of Carotid Plaque. *Arterioscler Thromb Vasc Biol*. 2019;39(1):89-96.](https://www.ncbi.nlm.nih.gov/pubmed/30580560)
11. [Shemesh E, Chevli PA, Islam T, German CA, Otvos J, Yeboah J, Rodriguez F, deFilippi C, Lima JAC, Blaha M, Pandey A, Vaduganathan M, Shapiro MD. Circulating ketone bodies and cardiovascular outcomes: the MESA study. *Eur Heart J*. 2023;44(18):1636-1646.](https://pubmed.ncbi.nlm.nih.gov/36881667/)
12. [Shendre A, Wiener H, Irvin MR, Zhi D, Limdi NA, Overton ET, Wassel CL, Divers J, Rotter JI, Post WS, Shrestha S. Admixture Mapping of Subclinical Atherosclerosis and Subsequent Clinical Events Among African Americans in 2 Large Cohort Studies. *Circ* *Cardiovasc Genet*. 2017;10(2). pii: e001569. doi: 10.1161/CIRCGENETICS. 116.001569.](https://www.ncbi.nlm.nih.gov/pubmed/28408707)
13. [Sheng Q, Ding J, Gao Y, Patel RJ, Post WS, Martin SS. Cardiovascular health trajectories and subsequent cardiovascular disease and mortality: The multi-ethnic study of atherosclerosis (MESA). *Am J Prev Cardiol*. 2022;13:100448. doi: 10.1016/j.ajpc.2022.100448. eCollection 2023 Mar.](https://pubmed.ncbi.nlm.nih.gov/36588665/)
14. [Shimbo D, Muntner P, Mann D, Barr RG, Tang W, Post W, Lima J, Burke G, Bluemke D, Shea S. Association of left ventricular hypertrophy with incident hypertension: the multi-ethnic study of atherosclerosis. *Am J Epidemiol*. 2011;173(8):898-905.](http://www.ncbi.nlm.nih.gov/pubmed/21422061)
15. [Shimbo D, Muntner P, Mann D, Viera AJ, Homma S, Polak JF, Barr RG, Herrington D, Shea S. Endothelial Dysfunction and the Risk of Hypertension: The Multi- Ethnic Study of Atherosclerosis. *Hypertension*. 2010;55(5):1210-1216.](http://www.ncbi.nlm.nih.gov/pubmed/20308612)
16. [Shimbo D, Shea S, McClelland RL, Viera AJ, Mann D, Newman J, Lima J, Polak JF, Psaty BM, Muntner P. Associations of Aortic Distensibility and Arterial Elasticity With Long-Term Visit-to-Visit Blood Pressure Variability: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Hypertens*. 2013;26(7):896-902.](http://www.ncbi.nlm.nih.gov/pubmed/23537891)
17. [Shivpuri S, Gallo LC, Crouse JR, Allison MA. The association between chronic stress type and C-reactive protein in the multi-ethnic study of atherosclerosis: does gender make a difference? *J Behav Med*. 2012;35(1):74-85.](http://www.ncbi.nlm.nih.gov/pubmed/21503709)
18. [Shlipak MG, Chronic Kidney Disease Prognosis Consortium, Matsushita, van der Velde M, Astor BC, Woodward M, Levey AS, de Jong PE, Coresh J, Gansevoort RT. Association of estimated glomerular filtration rate and albuminuria with all-cause and cardiovascular mortality in general population cohorts: a collaborative meta-analysis. *Lancet*. 2010;375(9731):2073-2081.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Association+of+estimated+glomerular+filtration+rate+and+albuminuria+with+all-cause+and+cardiovascular+mortality+in+general+population+cohorts%3A+a+collaborative+meta-analysis)
19. [Shlipak MG, Matsushita K, Ärnlöv J, Inker LA, Katz R, Polkinghorne KR, Rothenbacher D, Sarnak MJ, Astor BC, Coresh J, Levey AS, Gansevoort RT, CKD Prognosis Consortium. Cystatin C versus creatinine in determining risk based on kidney function. *N Engl J Med*. 2013;369(10):932-943.](http://www.ncbi.nlm.nih.gov/pubmed/24004120)
20. [Shroff GR, Sanchez OA, Miedema MD, Kramer H, Ix JH, Duprez DA, Jacobs DR Jr. Coronary artery calcium progresses rapidly and discriminates incident cardiovascular events in chronic kidney disease regardless of diabetes: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2020;310:75-82.](https://pubmed.ncbi.nlm.nih.gov/32919188/)
21. [Sicotte H, Larson NB, Decker PA, Wassel CL, Pankow JS, Tang W, Hanson NQ, Tsai MY, Bielinski SJ. Blood group antigen loci demonstrate multivariate genetic associations with circulating cellular adhesion protein levels in the Multi-Ethnic Study of Atherosclerosis. *Hum Genet*. 2016;135(4):415-423.](https://www.ncbi.nlm.nih.gov/pubmed/26883866)
22. [Sigurdardottir FD, Bertisch SM, Reid ML, deFilippi CR, Lima JAC, Redline S, Omland T. Association between insomnia phenotypes and subclinical myocardial injury: the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2023;46(4):zsac318. doi: 10.1093/sleep/zsac318.](https://pubmed.ncbi.nlm.nih.gov/36579654/)
23. [Silverman MG, Blaha MJ, Krumholz HM, Budoff MJ, Blankstein R, Sibley CT, Agatston A, Blumenthal RS, Nasir K. Impact of coronary artery calcium on coronary heart disease events in individuals at the extremes of traditional risk factor burden: the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J*. 2014;35(33):2232-2241.](http://www.ncbi.nlm.nih.gov/pubmed/24366919)
24. [Silverman MG, Patel B, Blankstein R, Lima JA, Blumenthal RS, Nasir K, Blaha MJ. Impact of Race, Ethnicity, and Multimodality Biomarkers on the Incidence of New-Onset Heart Failure With Preserved Ejection Fraction (from the Multi-Ethnic Study of Atherosclerosis). *An J Cardiol*. 2016;117(9):1474-1481.](http://www.ncbi.nlm.nih.gov/pubmed/27001449)
25. [Sim X, Jensen RA, Ikram MK, Cotch MF, Li X, Macgregor S, Xie J, Smith AV, Boerwinkle E, Mitchell P, Klein R, Klein BE, Glazer NL, Lumley T, McKnight B, Psaty BM, de Jong PT, Hofman A, Rivadeneira F, Uitterlinden AG, van Duijn CM, Aspelund T, Eiriksdottir G, Harris TB, Jonasson F, Launer LJ; Wellcome Trust Case Control Consortium 2, Attia J, Baird PN, Harrap S, Holliday EG, Inouye M, Rochtchina E, Scott RJ, Viswanathan A; Global BPGen Consortium, Li G, Smith NL, Wiggins KL, Kuo JZ, Taylor KD, Hewitt AW, Martin NG, Montgomery GW, Sun C, Young TL, Mackey DA, van Zuydam NR Doney AS, Palmer CN, Morris AD, Rotter JI, Tai ES, Gudnason V, Vingerling JR, Siscovick DS, Wang JJ, Wong TY. Genetic Loci for retinal arteriolar microcirculation. *PLoS One*. 2013;8(6):e65804. doi: 10.1371/journal.pone.0065804.](http://www.ncbi.nlm.nih.gov/pubmed/23776548)
26. [Simon TG, Trejo MEP, McClelland R, Bradley R, Blaha MJ, Zeb I, Corey KE, Budoff MJ, Chung RT. Circulating Interleukin-6 is a biomarker for coronary atherosclerosis in nonalcoholic fatty liver disease: Results from the Multi-Ethnic Study of Atherosclerosis. *Int J Cardiol*. 2018;259:198-204.](https://www.ncbi.nlm.nih.gov/pubmed/29579601)
27. [Simon TG, Trejo MEP, Zeb I, Frazier-Wood AC, McClelland RL, Chung RT, Budoff MJ. Coffee consumption is not associated with prevalent subclinical cardiovascular disease (CVD) or the risk of CVD events, in nonalcoholic fatty liver disease: results from the multi-ethnic study of atherosclerosis. *Metabolism*. 2017;75:1-5.](https://www.ncbi.nlm.nih.gov/pubmed/28964324)
28. [Sinari S, Koska J, Hu Y, Furtado J, Jensen MK, Budoff MJ, Nedelkov D, McClelland RL, Bilheimer D, Reaven P. Apo CIII Proteoforms, Plasma Lipids, and Cardiovascular Risk in MESA. *Arterioscler Thromb Vasc Biol*. 2023;43(8):1560-1571.](https://pubmed.ncbi.nlm.nih.gov/37317850/)
29. [Singleton MJ, German CA, Carnethon M, Soliman EZ, Bertoni AG, Yeboah J. Race, Body Mass Index, and the Risk of Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2021;10(1):e018592. doi: 10.1161/JAHA.120.018592.](https://pubmed.ncbi.nlm.nih.gov/33382342/)
30. [Singleton MJ, German CA, Soliman EZ, Burke GL, Yeboah J. The utility of silent myocardial infarction on electrocardiogram as an ASCVD risk enhancer for primary prevention: The multi-ethnic study of atherosclerosis. *J Electrocardiol*. 2021:65:105-109.](https://pubmed.ncbi.nlm.nih.gov/33588257/)
31. [Singleton MJ, Kazibwe R, German CA, Soliman EZ, Burke GL, Yeboah J. Association of silent myocardial infarction on electrocardiogram and coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. *Ann Noninvasive Electrocardiol*. 2023;28(5):e13081. doi: 10.111/anec.13081.](https://pubmed.ncbi.nlm.nih.gov/37551134/)

1. [Sinha A, Rivera AS, Doyle MF, Sitlani C, Fohner A, Huber SA, Olson NC, Lima JAC, Delaney JA, Feinstein MJ, Shah SJ, Tracy RS, Psaty BM. Association of immune cell subsets with cardiac mechanics in the Multi-Ethnic Study of Atherosclerosis.](https://pubmed.ncbi.nlm.nih.gov/34236048/) *[JCI Insight](https://pubmed.ncbi.nlm.nih.gov/34236048/)*[. 2021;6(13):149193. doi: 10.1172/jci.insight.149193.](https://pubmed.ncbi.nlm.nih.gov/34236048/)
2. [Sinha A, Sitlani CM, Doyle MF, Fohner AE, Buzkova P, Floyd JS, Huber SA, Olson NC, Njorge JN, Kizer KR, Delaney JA, Shah SS, Tracy RP, Psaty B, Feinstein M. Association of immune cell subsets with incident heart failure in two population-based cohorts. *ESC Heart Fail*. 2022;9(6):4177-4188.](https://pubmed.ncbi.nlm.nih.gov/36097332/)
3. [Sitlani CM, Lumley T, McKnight B, Rice KM, Olson NC, Doyle MF, Huber SA, Tracy RP, Psaty BM, C Delaney JA. Incorporating sampling weights into robust estimation of Cox proportional hazards regression model, with illustration in the Multi-Ethnic Study of Atherosclerosis. *BMC Med Res Methodol*. 2020;20(1):62. doi: 10.1186/s12874-020-00945-9.](https://www.ncbi.nlm.nih.gov/pubmed/32169052)
4. [Smith BM, Austin JH, Newell JD Jr, D’Souza BM, Rozenshtein A, Hoffman EA, Ahmed F, Barr RG. Pulmonary Emphysema Subtypes on Computed Tomography: The MESA COPD Study. *Am J Med*. 2014;127(1):94.e7-94.e23.](http://www.ncbi.nlm.nih.gov/pubmed/24384106)
5. [Smith BM, Hoffman EA, Basner RC, Kawut SM, Kalhan R, Barr RG. Not All Measures of Hyperinflation Are Created Equal: Lung Structure and Clinical Correlates of Gas Trapping and Hyperexpansion in COPD: The Multi-Ethnic Study of Atherosclerosis Study (MESA) COPD Study. *Chest*. 2014;145(6):1305-1315.](http://www.ncbi.nlm.nih.gov/pubmed/24481056)
6. [Smith BM, Hoffman EA, Rabinowitz D, Bleecker E, Christenson S, Couper D, Donohue KM, Han MK, Hansel NN, Kanner RE, Kleerup E, Rennard S, Barr RG. Comparison of spatially matched airways reveals thinner airway walls in COPD. The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study and the Subpopulations and Intermediate Outcomes in COPD Study (SPIROMICS). *Thorax*. 2014;69(11):987-996.](http://www.ncbi.nlm.nih.gov/pubmed/24928812)
7. [Smith BM, Kawut SM, Bluemke DA, Basner RC, Gomes AS, Hoffman EA, Kalhan R, Lima JA, Liu CY, Michos ED, Prince MR, Rabbani L, Rabinowitz D, Shimbo D, Shea S, Barr RG. Pulmonary Hyperinflation and Left Ventricular Mass: The Multi-Ethnic Study of Atherosclerosis COPD Study. *Circulation*. 2013;127(14):1503-1511.](http://www.ncbi.nlm.nih.gov/pubmed/23493320)
8. [Smith BM, Kirby M, Hoffman EA, Kronmal RA, Aaron SA, Allen NB, Bertoni A, Coxson HO, Cooper C, Couper DJ, Criner G, Dransfield MT, Han MK, Hansel NN, Jacobs JR DR, Kaufman JD, Lin CL, Manichaikul A, Martinez FJ, Michos ED, Oelsner EC, Paine 3rd R, Watson KE, Benedetti A, Tan WC, Bourbeau J, Woodruff PG, Barr RG, MESA Lung, Can COLD, and SPIROMICS Investigators. Association of Dysanapsis With Chronic Obstructive Pulmonary Disease Among Older Adults. *JAMA*. 2020;323(22):2268-2280.](https://pubmed.ncbi.nlm.nih.gov/32515814/)
9. [Smith BM, Prince MR, Hoffman EA, Bluemke DA, Liu CY, Rabinowitz D, Hueper K, Parikh MA, Gomes AS, Michos ED, Lima JA, Barr RG. Impaired Left Ventricular Filling in COPD and Emphysema: Is It the Heart or the Lungs?: The Multi-Ethnic Study of Atherosclerosis COPD Study. *Chest*. 2013;144(4):1143-1151.](http://www.ncbi.nlm.nih.gov/pubmed/23764937)
10. [Smith BM, Traboulsi H, Austin JHM, Manichaikul A, Hoffman EA, Bleecker ER, Cardoso WV, Cooper C, Couper DJ, Dashnaw SM, Guo J, Han MK, Nansel NN, Hughes EW, Jacobs DR Jr, Kanner RE, Kaufman JD, Kleerup E, Lin CL, Liu K, Lo Cascio CM, Martinez FJ, Nguyen JN, Prince MR, Rennard S, Rich SS, Simon L, Sun Y, Watson KE, Woodruff PG, Baglole CJ, Barr RG; MESA Lung and SPIROMICS investigators. *Proc Natl Acad Sci U S A*. 2018;115(5):E974-E981.](https://www.ncbi.nlm.nih.gov/pubmed/29339516)
11. [Smith CE, Follis JL, Nettleton JA, Foy M, Wu JH, Ma Y, Tanaka T, Manichaikul AW, Wu H, Chu AY, Steffen LM, Fornage M, Mozaffarian D, Kabagambe EK, Ferruci L, Chen YD, Rich SS, Diousse L, Ridker PM, Tang W, McKnight B, Tsai MY, Bandinelli S, Rotter JI, Hu FB, Chasman DI, Psaty BM, Arnett DK, King IB, Sun Q, Wang L, Lumley T, Chiuve SE, Siscovick DS, Ordovas JM, Lemaitre RN. Dietary fatty acids modulate associations between genetic variants and circulating fatty acids in plasma and erythrocyte membranes: Meta-analysis of nine studies in the CHARGE consortium. *Mol Nutr Food Res*. 2015;59(7):1373-1383.](https://www.ncbi.nlm.nih.gov/pubmed/25626431)
12. [Smith CE, Ngwa J, Tanaka T, Qi Q, Wojczynski MK, Lemaitre RN, Anderson JS, Manichaikul A, Mikkila V, van Rooij FJ, Ye Z, Bandinelli S, Frazier-Wood AC, Houston DK, Hu F, Langenberg C, McKeown NM, Mozaffarian D, North KE, Viikari J, Zillikens MC, Djousse L, Hofman A, Kahonen M, Kabagambe EK, Loos RJ, Saylor GB, Forouhi NG, Liu Y, Mukamal KJ, Chen YD, Tsai MY, Uitterlinden AG, Raitakari O, van Duijn CM, Arnett DK, Borecki IB, Cupples LA, Ferrucci L, Kritchevsky SB, Lehtimaki T, Qi L, Rotter JI, Siscovick DS, Wareham NJ, Witteman JC, Ordovas JM, Nettleton JA. Lipoprotein receptor-related protein 1 variants and dietary fatty acids: meta-analysis of European origin and African American studies. *Int J Obes* *(Lond)*. 2013;37(9):1211-1220.](https://www.ncbi.nlm.nih.gov/pubmed/23357958)
13. [Smith JA, Zhao W, Wang X, Ratliff SM, Mukherjee B, Kardia SLR, Liu Y, Diez Roux AVD, Needham BL. Neighborhood characteristics influence DNA methylation of genes involved in stress response and inflammation: The Multi-Ethnic Study of Atherosclerosis. *Epigenetics*. 2017;12(8):662-673.](https://www.ncbi.nlm.nih.gov/pubmed/28678593)
14. [Smith JA, Zhao W, Yasutake K, August C, Ratliff SM, Faul JD, Boerwinkle E, Chakravarti A, Diez Roux AV, Gao Y, Griswold ME, Heiss G, Kardia SLR, Morrison AC, Musani SK, Mwasongwe S, North KE, Sims M, Sun YV, Weir DR, Needham BL. Gene-by-Psychosocial Factor Interactions Influence Diastolic Blood Pressure in European and African Populations: Meta-Analysis of Four Cohort Studies. *Int J Environ Res Public Health*. 2017;14(12). pii: E1596. doi: 10.3390/ijerph14121596.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Gene-by-Psychosocial+Factor+Interactions+Influence+Diastolic)
15. [Smith NL, Thibord F, Klarin D, Brody JA, Chen MH, Levin MG, Chasman DI, Goode EL, Hveem K, Teder-Laving M, Martinez-Perez A, Aissi D, Daian-Bacq D, Ito K, Natarajan P, Lutsey PL, Nadkarni GN, de Vries PS, Cuellar-Partida G, Wolford BN, Pattee JW, Kooperberg C, Braekkan SK, Li-Gao R, Saut N, Sept C, Germain M, Judy RL, Wiggins KL, Ko D, O’Donnell CJ, Tayor KD, Giulianini F, De Andrade M, Nost TH, Boland A, Empana JP, Koyama S, Gilliland T, Do R, Huffman JE, Wang X, Zhou W, Soria JM, Souto JC, Pankratz N, Haessler J, Hindberg K, Rosendaal FR, Turman C, Olaso R, Kember RL, Bartz TM, Lynch JA, Heckbert SR, Armasu SM, Brumpton B, Smadja DM, Jouven X, Komuro I, Clapham KR, Loos RJF, Willer CJ, Sabater-Lleal M, Pankow JS, Reiner AP, Morelli VM, Ridker PM, van Hylckama Vlieg A, Deleuze JF, Kraft P, Rader DJ, Global Biobank Meta-Analysis Initiative; Estonian Biobank Research Team; 23andMe Research Team; Biobank Japan; CHARGE Hemostatis Working Group; Lee KM, Psaty BM, Skogholt AH, Emmerich J, Suchon P, Rich SS, Vy HMT, Tang W, Tang W, Jackson RD, Hansen JB, Morange PE, Kabrhel C, Tregouet DA, Damrauer SM, Johnson AD. Cross-Ancestry Investigation of Venous Thromboembolism Genomic Predictors. *Circulation*. 2022;146(16):1225-1242.](https://pubmed.ncbi.nlm.nih.gov/36154123/)
16. [Sobel MH, Sanchez TR, Jones MR, Kaufman JD, Francesconi KA, Blaha MJ, Vaidya D, Shimbo D, Gossler W, Gamble MV, Genkinger JM, Navas-Acien A. Rice Intake, Arsenic Exposure, and Subclinical Cardiovascular Disease Among US Adults in MESA. *J Am Heart Assoc.* 2020;9(4):e015658. doi: 10.1161/JAHA.119.015658.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sobel+MH)
17. [Sobrin L, Pollack S, Igo RP Jr, Jensen RA, Christiansen M, Li X, Cheng CY, Ng MCY, Smith AV, Rossin EJ, Segre AV, Davoudi S, Tan GS, Chen YI, Kuo JZ, Dimitrov LM, Stanwyck LK, Meng W, Hosseini SM, Imamura M, Nousome D, Kim J, Hai Y, Jia Y, Ahn J, Leong A, Shah K, Park KH, Guo X, Ipp E, Taylor KD, Adler SG, Sedor JR, Freedman BI; Family Investigation of Nephropathy and Diabetes-Eye Research Group, DCCT/EDIC Research Group, Lee IT, Sheu WH, Kubo M, Takahashi A, Hadjadj S, Marre M, Tregouet DA, Mckean-Cowdin R, Varma R, McCarthy MI, Groop L, Ahlgvist E, Lyssenko V, Agardh E, Morris A, Doney ASF, Colhoun HM, Toppila I, Sandholm N, Groop PH, Maeda S, Hanis CL, Penman A, Chen CJ, Hancock H, Mitchell P, Craig JE, Chew EY, Paterson AD, Grassi MA, Palmer C, Bowden DW, Yaspan BL, Siscovick D, Cotch MF, Wang JJ, Burdon KP, Wong TY, Klein BEK, Klein R, Rotter JI, Iyengar SK, Price AL. Multiethnic Genome-wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. *Diabetes*. 2019;68(2):441-456.](https://www.ncbi.nlm.nih.gov/pubmed/30487263)
18. [Sofer T, Elgart M, Lyons G, Romero-Brufau S, Kurniansyah N, Brody JA, Guo X, Lin HJ, Raffield L, Gao Y, Chen H, de Vries P, Lloyd-Jones DM, Lange LA, Peloso GM, Fornage M, Rotter JI, Rich SS, Morrison AC, Psaty BM, Levy D, Redline S; NHLBI Trans-Omics in Precision Medicine (TOPMed) Consortium. Non-linear machine learning models incorporating SNPs and PRS improve polygenic prediction in diverse human populations. *Commun Biol*. 2022;5(1):856. doi: 10.1038/s42003-022-03812-z.](https://pubmed.ncbi.nlm.nih.gov/35995843/)
19. [Sofer T, Emery L, Jain D, Ellis AM, Laurie CC, Allison MA, Lee J, Kurniansyah N, Kerr KF, Gonzalez HM, Tarraf W, Criqui MH, Lange LA, Palmas WR, Franceschini N, Wassel CL. Variants Associated with the Ankle Brachial Index Differ by Hispanic/Latino Ethnic Group: a genome-wide association study in the Hispanic Community Health Study/Study of Latinos. *Sci Rep*. 2019;9(1):11410. doi: 10.1038/s41598-019-47928-5.](https://www.ncbi.nlm.nih.gov/pubmed/31388106)
20. [Sofer T, Khoury S, Wang QP, Parisien M, Gris P, Bortsov AV, Linnstaedt SD, McLean SA, Tungate AS, Lee J, Louie T, Redline S, Kaunisto MA, Kalso EA, Munter HM, Nackley AG, Slade GD, Smith SB, Zaykin DV, Fillingim RB, Ohrbach R, Greenspan JD, Maixner W, Neely GG, Diatchenko L. Multi-ethnic GWAS and meta-analysis of sleep quality identify MPP6 as a novel gene that functions in sleep center neurons. *Sleep*. 2021;44(3):zsaa211. doi: 10.1093/sleep/zsaa211.](https://pubmed.ncbi.nlm.nih.gov/33034629/)
21. [Sofer T, Kurniansyah N, Aguet F, Ardlie K, Durda P, Nickerson DA, Smith JD, Liu Y, Gharib SA, Redline S, Rich SS, Rotter JI, Taylor KD. Benchmarking association analyses of continuous exposures with RNA-seq in observational studies. *Brief Bioinform*. 2021;22(6):bbab194. doi: 10.1093.bib/bbab194.](https://pubmed.ncbi.nlm.nih.gov/34015820/)
22. [Sofer T, Kurniansyah N, Goodman MO, Kelly TN, Elfassy T, Wiggins KL, Bis JC, Guo X, Palmas W, Taylor KD, Lin HJ, Haessler J, Gao Y, Shimbo D, Smith JA, Yu B, Feofanova EV, Smit RAJ, Wang Z, Hwang SJ, Liu S, Wassertheil-Smoller S, Manson JE, Lloyd-Jones DM, Rish SS, Loos RJF, Redline S, Correa A, Kooperberg C, Fornage M, Kaplan RC, Psaty BM, Rotter JI, Arnett DK, Morrison AC, Franceschini N, Levy D; NHLBI Trans-Omics In Precision Medicine (TOPMed) Consortium. A multi-ethnic polygenic risk score is associated with hypertension prevalence and progression throughout adulthood. *Nat Commun*. 2022;13(1):3549. doi: 10.1038/s41467-022-31080-2.](https://pubmed.ncbi.nlm.nih.gov/35729114/)
23. [Sofer T, Kurninansyah N, Goodman MO, Khan AT, Wang J, Feofanova E, Bis JC, Wiggins KL, Huffman JE, Kelly T, Elfassy T, Guo X, Palmas W, Lin HJ, Hwang SH, Gao Y, Young K, Kinney GL, Smith JA, Yu B, Liu S, Wassertheil-Smoller S, Manson JE, Zhu X, Chen YDI, Lee IT, Guo CC, Lloyd-Jones DM, Zollner S, Fornage M, Kooperberg C, Correa A, Psaty BM, Arnett DK, Isasi CR, Rich SS, Kaplan RC, Redline S, Mitchell BD, Franceschini N, Levy D, Rotter JI, Morrision AC. Evaluating the use of blod pressure polygenic risk scores across race/ethnic background groups. *Nat Commun*. 2023;14(1):3202. doi: 10.1038/s41467-023-38990-9.](https://pubmed.ncbi.nlm.nih.gov/37268629/)
24. [Sofer T, Kurniansyah N, Wallace DA, Zhang Y, Yu B, Cade B, Wang H, Ochs-Balcom HM, Reiner AP, Remas AR, Smith JD, Cai J, Daviglus M, Zee PC, Kaplan R, Kooperberg C, Rich SS, Rotter JI, Gharib SA, Redline S. An integrated multi-omics analysis of sleep-disordered breathing traits implicates P2XR4 purinergic signaling. *Commun Biol*. 2023;6(1):125. doi: 10.1038/s42003-023-04520-y.](https://pubmed.ncbi.nlm.nih.gov/36721044/)
25. [Sofer T, Lee J, Kurniansyah N, Jain D, Laurie CA, Gogarten SM, Conomos MP, Heavner B, Hu Y, Kooperberg C, Haessler J, Vasan RS, Cupples LA, Coombes BJ, Seyerle A, Gharib SA, Chen H, O’Connell JR, Zhang M, Gottlieb DJ, Psaty BM, Longstreth Jr WT, Rotter JI, Taylor KD, Rich SS, Guo X, Boerwinkle E, Morrison AC, Pankow JS, Johnson AD, Pankratz N; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; Reiner AP, Redline S, Smith NL, Rick KM, Schifano ED. BinomiRare: A robust test for association of a rare genetic variant with a binary outcome for mixed models and any case-control proportion. *HGG Adv*. 2021;2(3):100040. doi: 10.1016/j.xhgg.2021.100040.](https://pubmed.ncbi.nlm.nih.gov/34337551/)
26. [Sofer T, Weedon MN, Jones SE, Lane JM, Lee J, Ollila HM, Dawes A, Tyrrell J, Beumont RN, Partonen T, Merikanto I, Rich SS, Rotter JI, Frayling TM, Rutter MK, Redline S, Saxena R, Wood AR. The impact of Mendelian sleep and circadian genetic variants in a population setting. *PLoS Genet*. 2022;18(9):e1010356. doi: 10.1371/journal.pgen.1010356. eCollection 2022 Sep.](https://pubmed.ncbi.nlm.nih.gov/36137075/)
27. [Sofer T, Zhang Y, Ngo D, Yu B, Shah NA, Chen H, Ramos AR, Zee PC, Tracy R, Durda P, Kaplan R, Daviglus ML, Rich SS, Rotter JI, Cai J, Clish C, Gerszten R, Kristal BS, Gharib SA, Redline S. Development and validation of a metabolite index for obstructive sleep apnea across race/ethnicities. *Sci Rep*. 2022;12(1):21805. doi: 10.1038/s41598-022-26321-9.](https://pubmed.ncbi.nlm.nih.gov/36526671/)
28. [Soliman EZ, Alonso A, Misialek JR, Jain A, Watson KE, Lloyd-Jones DM, Lima J, Shea S, Burke GL, Heckbert SR. Reference ranges of PR duration and P-wave indices in individuals free of cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Electrocardiol*. 2013;46(6):702-706.](http://www.ncbi.nlm.nih.gov/pubmed/23806475)
29. [Soliman EZ, Ding J, Hsu FC, Carr JJ, Polak JF, Goff DC Jr. Association between Carotid Intima-Media Thickness and Pericardial Fat in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Stroke Cerebrovasc Dis*. 2010;19(1):58-65.](http://www.ncbi.nlm.nih.gov/pubmed/20123228?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)
30. [Song L, Smith GS, Adar SD, Post WS, Guallar E, Navas-Acien A, Kaufman JD, Jones MR. Ambient air pollution as a mediator in the pathway linking race/ethnicity to blood pressure elevation: The multi-ethnic study of atherosclerosis (MESA). *Environ Res*. 2020;180:108776. doi: 10.1016/j.envres.2019.108776.](https://www.ncbi.nlm.nih.gov/pubmed/31639655)
31. [Song Y, Zhou X, Kang J, Aung MT, Zhang M, Zhao W, Needham BL, Kardia SLR, Liu Y, Meeker JD, Smith JA, Mukherjee B. Bayesian hierarchical models for high-dimensional mediation analysis with coordinated selection of correlated mediators. *Stat Med*. 2021;40(27):6038-6056.](https://pubmed.ncbi.nlm.nih.gov/34404112/)
32. [Song Y, Zhou X, Kang J, Aung MT, Zhang M, Zhao W, Needham BL, Kardia SLR, Liu Y, Meeker JD, Smith JA, Mukherjee B. Bayesian Sparse Mediation Analysis with Targeted Penalization of Natural Indirect Effects. *J R Stat Soc Ser C* *Appl Stat*. 2021;70(5):1391-1412.](https://pubmed.ncbi.nlm.nih.gov/34887595/)
33. [Spalt EW, Curl CL, Allen RW, Cohen M, Adar SD, Stukovsky KH, Avol E, Castro-Diehl C, Nunn C, Mancera-Cuevas K, Kaufman JD. Time-location patterns of a diverse population of older adults: the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *J Expo Sci Environ Epidemiol*. 2016;26(4):349-355.](http://www.ncbi.nlm.nih.gov/pubmed/25921083)
34. [Spalt EW, Curl CL, Allen RW, Cohen M, Williams K, Hirsch JA, Adar SD, Kaufman JD. Factors influencing time-location patterns and their impact on estimates of exposure: the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *J Expo Sci Environ Epidemiol*. 2016;26(4):341-348.](http://www.ncbi.nlm.nih.gov/pubmed/25921081)
35. [Spanakis EK, Wu X, Sanchez BN, Diez Roux AV, Needham BL, Wand GS, Seeman T, Golden SH. Lack of significant association between type 2 diabetes mellitus with longitudinal change in diurnal salivary cortisol: the multiethnic study of atherosclerosis. *Endocrine*. 2016;53(1):227-239.](http://www.ncbi.nlm.nih.gov/pubmed/26895003)
36. [Sparapani R, Dabbouseh NM, Gutterman D, Zhang J, Chen H, Bluemke DA, Lima JAC, Burke GL, Soliman EZ. Detection of Left Ventricular Hypertrophy Using Bayesian Additive Regression Trees: The MESA. *J Am Heart Assoc*. 2019;8(5):e009959. doi: 10.1161/JAHA.118.009959.](https://www.ncbi.nlm.nih.gov/pubmed/30827132)
37. [Spaur M, Glabonjat RA, Schilling K, Lombard MA, Galvez-Fernandez M, Lieberman-Cribbin W, Hayek C, Ilievski V, Balac O, Izuchukwu C, Patterson K, Basu A, Bostick BC, Chen Q, Sanchez T, Navas-Acien A, Nigra AE. Contribution of arsenic uranium in private wells and community water systems to urinary biomarkers in US adults: The Strong Heart Study and the Multi-Ethnic Study of Atherosclerosis. *J Expo Sci Environ Epidemiol*. 2023 Aug 9. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37558699/)

1. [Spieker AJ, Delaney JA, McClelland RL. Evaluating the treatment effects model for estimation of cross-sectional associations between risk factors and cardiovascular biomarkers influenced by medication use. *Pharmacoepidemiol Drug Saf*. 2015;24(12):1286-1296.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Evaluating+the+treatment+effects+model+for+estimation+of+cross-sectional+associations+between+risk+factors+and)
2. [Spieker AJ, Delaney JA, McClelland RL. A method to account for covariate-specific treatment effects when estimating biomarker associations in the presence of endogenous medication use. *Stat Methods Med Res*. 2018; 27(8):2279-2293.](https://www.ncbi.nlm.nih.gov/pubmed/29984639)
3. [Stacey RB, Bertoni AG, Eng J, Bluemke DA, Hundley WG, Herrington D. Modification of the effect of glycemic status on aortic distensibility by age in the multi-ethnic study of atherosclerosis. *Hypertension*. 2010;55(1):26-32.](http://www.ncbi.nlm.nih.gov/pubmed/19933927?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
4. [Stacey RB, Leaverton PE, Schocken DD, Peregoy JA, Bertoni AG. Prediabetes and the association with unrecognized myocardial infarction in the multi-ethnic study of atherosclerosis. *Am Heart J*. 2015;170(5):923-928.](http://www.ncbi.nlm.nih.gov/pubmed/26542500)
5. [Steffen BT, Bielinski SJ, Decker PA, Berardi C, Larson NB, Pankow JS, Michos ED, Hanson NQ, Herrington DM, Tsai MY. Low high-density lipoprotein cholesterol and particle concentrations are associated with greater levels of endothelial activation markers in Multi-Ethnic Study of Atherosclerosis participants. *J Clin Lipidol*. 2017;11(4):955-963.e3.](https://www.ncbi.nlm.nih.gov/pubmed/28666711)
6. [Steffen BT, Duprez D, Bertoni AG, Guan W, Tsai MY. Lp(a) [Lipoprotein(a)]-Related Risk of Heart Failure Is Evident in Whites by Not in Other Racial/Ethnic Groups. *Arterioscler Thromb Vasc Biol*. 2018;38(10):2498-2504.](https://www.ncbi.nlm.nih.gov/pubmed/30354212)
7. [Steffen BT, Duprez D, Szklo M, Guan W, Tsai MY. Circulating oleic acid levels are related to greater risks of cardiovascular events and all-cause mortality: The Multi-Ethnic Study of Atherosclerosis. *J Clin* *Lipidol*. 2018;12(6):1404-1412.](https://www.ncbi.nlm.nih.gov/pubmed/30201531)
8. [Steffen BT, Guan W, Ding J, Nomura SO, Weir NL, Tsai MY. Plasma omega-3 and saturated fatty acids are differentially related to pericardial adipose tissue volume across race/ethnicity: the Multi-ethnic Study of Atherosclerosis. *Eur J Clin Nutr*. 2021;75(8):1237-1244.](https://pubmed.ncbi.nlm.nih.gov/33398103/)
9. [Steffen BT, Guan W, Remaley AT, Paramsothy P, Heckbert SR, McClelland RL, Greenland P, Michos ED, Tsai MY. Use of lipoprotein particle measures for assessing coronary heart disease risk post-american heart association/american college of cardiology guidelines: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2015;35(2):448-454.](http://www.ncbi.nlm.nih.gov/pubmed/25477346)
10. [Steffen BT, Guan W, Remaley AT, Stein JH, Tattersall MC, Kaufman J. Tsai MY. Apolipoprotein B is associated with carotid atherosclerosis progression independent of individual cholesterol measures in a 9-year prospective study of Multi-Ethnic Study of Atherosclerosis participants. *J Clin Lipidol*. 2017;11(5):1181-1191.](https://www.ncbi.nlm.nih.gov/pubmed/28826575)
11. [Steffen BT, Guan W, Stein JH, Tattersall MC, Kaufman JD, Sandfort V, Szklo M, Tsai MY. Plasma n-3 and n-6 Fatty Acids Are Differentially Related to Carotid Plaque and Its Progression: The Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2018;38(3):653-659.](https://www.ncbi.nlm.nih.gov/pubmed/29326315)

1. [Steffen BT, Steffen LM, Liang S, Tracy R, Jenny NS, Tsai MY. n-3 and n-6 Fatty acids are independently associated with lipoprotein-associated phospholipase A2 in the Multi-Ethnic Study of Atherosclerosis. *Br J Nutr*. 2013;110(9):1664-1671.](http://www.ncbi.nlm.nih.gov/pubmed/23551952)
2. [Steffen BT, Steffen LM, Tracy R, Siscovick D, Hanson NQ, Nettleton J, Tsai MY. Obesity modifies the association between plasma phospholipid polyunsaturated fatty acids and markers of inflammation: the Multi-Ethnic Study of Atherosclerosis. *Int J Obes (Lond)*. 2012;36(6):797-804.](http://www.ncbi.nlm.nih.gov/pubmed/21829163)
3. [Steffen BT, Steffen LM, Tracy R, Siscovick D, Jacobs D, Liu K, He K, Hanson NQ, Nettleton JA, Tsai MY. Ethnicity, plasma phospholipid fatty acid composition and inflammatory/endothelial activation biomarkers in the Multi-Ethnic Study of Atherosclerosis (MESA). *Eur J Clin Nutr*. 2012;66(5):600-605.](http://www.ncbi.nlm.nih.gov/pubmed/22215136)
4. [Steffen BT, Steffen LM, Zhou X, Ouyang P, Weir NL, Tsai MY. n-3 Fatty Acids Attenuate the Risk of Diabetes Associated With Elevated Serum Nonesterified Fatty Acids: The Multi-Ethnic Study of Atherosclerosis. *Diabetes Care*. 2015;35(4):575-580.](http://www.ncbi.nlm.nih.gov/pubmed/25573885)
5. [Steffen BT, Thanassoulis G, Duprez D, Stein JH, Karger AB, Tattersall MC, Kaufman JD, Guan W, Tsai MY. Race-Based Differences in Lipoprotein(a)-Associated Risk of Carotid Atherosclerosis. *Arterioscler* *Thromb Vasc Biol*. 2019;39(3):523-529.](https://www.ncbi.nlm.nih.gov/pubmed/30727753)
6. [Stern R, Tattersall MC, Gepner AD, Korcarz CE, Kaufman J, Colangelo LA, Liu K, Stein JH. Sex differences in predictors of longitudinal changes in carotid artery stiffness: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2015;35(2):478-484.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sex+differences+in+predictors+of+longitudinal+changes+in+carotid)
7. [Stilp AM, Emery LS, Broome JG, Buth EJ, Khan AT, Laurie CA, Wang FF, Wong Q, Chen D, D’Augustine CM, Heard-Costa NL, Hohensee CR, Johnson WC, Juarez LD, Liu J, Mutalik KM, Raffield LM, Wiggins KL, de Vries PS, Kelly TN, Kooperberg C, Natarajan P, Peloso GM, Peyser PA, Reiner AP, Arnett DK, Aslibekyan S, Barnes KC, Bielak LF, Bis JC, Cade BE, Chen MH, Correa A, Cupples LA, de Andrade M, Ellinor PT, Fornage M, Franceschini N, Gan W, Ganesh SK, Graffelman J, Grove ML, Guo X, Hawley NL, Hsu WL, Jackson RD, Jaquish CE, Johnson AD, Kardia SLR, Kelly S, Lee J, Mathias RA, McGarvey ST, Mitchell BD, Montasser ME, Morrison AC, North KE, Nouraje SM, Oelsner EC, Pankratz N, Rich SS, Rotter JI, Smith JA, Taylor KD, Vasan RS, Weeks DE, Weiss ST, Wilson CG, Yanek LR, Psaty BM, Heckbert SR, Laurie CC. A System for Phenotype Harmonization in the National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Program. *Am J Epidemiol*. 2021;190(10):1977-1992.](https://pubmed.ncbi.nlm.nih.gov/33861317/)
8. [Strand LN, Young RL, Bertoni AG, Bluemke DA, Burke GL, Lima JA, Sotoodehnia N, Psaty BM, McClelland RL, Heckbert SR, Delaney JA. New statin use and left ventricular structure: Estimating long-term associations in the Multi-Ethnic Study of Atherosclerosis (MESA). *Pharmacoepidemiol Drug Saf*. 2018;27(6):570-580.](https://www.ncbi.nlm.nih.gov/pubmed/29380457)
9. [Streeten EA, Munir K, Hines S, Mohamed A, Mangano C, Ryan KA, Post W. Coronary artery calcification in patients with primary hyperparathyroidism in comparison with control subjects from the multi-ethnic study of atherosclerosis. *Endocr Pract*. 2008;14(2):155-161.](http://www.ncbi.nlm.nih.gov/pubmed/18308652?ordinalpos=6&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
10. [Sturtz TM, Adar SD, Gould T, Larson TV. Constrained Source Apportionment of Coarse Particulate Matter and Selected Trace Elements in Three Cities from the Multi-Ethnic Study of Atherosclerosis. *Atmos Environ (1994)*. 2014;84:65-77.](https://www.ncbi.nlm.nih.gov/pubmed/27468256)
11. Su JG, Larson T, Gould T, Cohen M, Buzzelli M. Transboundary air pollution and environmental justice: Vancouver and Seattle compared. *GeoJournal*. DOI 10.1007/s10708-009-9269-6.
12. [Subramanya V, Ambale-Venkatesh B, Ohyama Y, Zhao D, Nwabuo CC, Post WS, Guallar E, Ouyang P, Shah SJ, Allison MA, Ndumele CE, Vaidya D, Bluemke DA, Lima JA, Michos ED. Relation of Sex Hormone Levels With Prevalent and 10-Year Change in Aortic Distensibility Assessed by MRI: The Multi-Ethnic Study of Atherosclerosis. *Am J Hypertens*. 2018;31(7):774-783.](https://www.ncbi.nlm.nih.gov/pubmed/29471444)
13. [Subramanya V, Zhao D, Ouyang P, Lima JA, Vaidya D, Ndumele CE, Bluemke DA, Shah SJ, Guallar E, Nwabuo CC, Allison MA, Heckbert SR, Post WS, Michos ED. Sex hormone levels and change in left ventricular structure among men and post-menopausal women: The Multi-Ethnic Study of Atherosclerosis (MESA). *Maturitas*. 2018;108:37-44.](https://www.ncbi.nlm.nih.gov/pubmed/29290213)
14. [Subramanya V, Zhao D, Ouyang P, Ying W, Vaidya D, Ndumele CE, Heckbert SR, Budoff MJ, Post WS, Michos ED. Association of endogenous sex hormone levels with coronary artery calcium progression among post-menopausal women in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Cardiovasc Comput Tomogr*. 2019;13(1):41-47.](https://www.ncbi.nlm.nih.gov/pubmed/30297127)
15. [Subramanya V, Zhao D, Ouyang P, Ying G, Vaidya D, Ndumele CE, Lima JA, Guallar E, Hoogeveen RC, Shah SJ, Heckbert SR, Kass DA, Post WS, Michos ED. Cyclic guanosine monophosphate and 10-year change in left ventricular mass: the Multi-Ethnic Study of Atherosclerosis (MESA). *Biomarkers*. 2021;26(4):309-317.](https://pubmed.ncbi.nlm.nih.gov/33715578/)

1. [Subramanyam MA, Diez-Roux AV, Pilsner JR, Villamor E, Donohue KM, Liu Y, Jenny NS. Social factors and leukocyte DNA methylation of repetitive sequences: the multi-ethnic study of atherosclerosis. *PLoS One*. 2013;8(1):e54018. doi: 10.1371/journal pone.0054018.](https://www.ncbi.nlm.nih.gov/pubmed/23320117)
2. [Suinesiaputra A, Mauger CA, Ambale-Venkatesh B, Bluemke DA, Dam Gade J, Gilbert K, Janse MHA, Hald LS, Werkhoven C, Wu CO, Lima JAC, Young AA. Deep Learning Analysis of Cardiac MRI in Legacy Datasets: Multi-Ethnic Study of Atherosclerosis. *Front Cardiovasc Med*. 2022;8:807728. doi: 10.3389/fcvm.2021.807728. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/35127868/)
3. [Sun M, Kaufman JD, Kim SY, Larson TV, Gould TR, Polak JF, Budoff MJ, Diez Roux AV, Vedal S. Particulate matter components and subclinical atherosclerosis: common approaches to estimating exposure in a Multi-Ethnic Study of Atherosclerosis cross-sectional study. *Environ Health*. 2013;12(1):39.](http://www.ncbi.nlm.nih.gov/pubmed/23641873)
4. [Suthahar N, Lau ES, Blaha MJ, Paniagua S, Larson MG, Psaty BM, Benjamin EJ, Allison MA, Bartz TM, Januzzi Jr JL, Levy D, Meems LMG, Bakker SJL, Lima JAC, Cushman M, Lee DS, Wang TJ, deFilippi CR, Herrington DM, Nayor M, Vasan RS, Gardin JM, Kizer JR, Bertoni AG, Allen NB, Gansevoort RT, Shah, SJ, Gottdiener JS, Ho JE, de Boer RA. Sex-Specific Associations of Cardiovascular Risk Factors and Biomarkers With Incident Heart Failure. *J Am Coll Cardiol*. 2020;76(12):1455-1465.](https://pubmed.ncbi.nlm.nih.gov/32943164/)
5. [Swamynathan R, Varadarajan V, Nguyen H, Wu CO, Liu K, Bluemke DA, Kachenoura N, Redhueil A, Lima JAC, Ambale-Venkatesh B. Association between Biomarkers of Inflammation and 10-Year Changes in Aortic Stiffness: The Multi-Ethnic Study of Atherosclerosis. *J Clin Med*. 2023;12(15):5062. doi: 10.3390/jcm1255062.](https://pubmed.ncbi.nlm.nih.gov/37568463/)
6. [Sweeney T, Ogunmoroti O, Ndumele CE, Zhao D, Varma B, Allison MA, Budoff MJ, Fashanu OE, Sharma A, Bertoni AG, Michos ED. Associations of adipokine levels with the prevalence and extent of valvular and thoracic aortic calcification: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2021;338:15-22.](https://pubmed.ncbi.nlm.nih.gov/34785427/)
7. Syed D, Peshenko S, Liu K, Durazo-Arvizu R, Rosas SE, Shlipak M, Sarnak M, Jacobs D, Siscovick D, Lima J, Kronmal R, Kramer H. Association between N-terminal Pro-Brain Natriuretic Peptide levels, glomerular filtration rate, and heart failure in the Multi-Ethnic Study of Atherosclerosis. *Journal of Integrative Cardiology*. 2018;4(3):1-7.
8. [Szklo M, Ding J, Tsai MY, Cushman M, Polak JF, Lima J, Barr RG, Sharrett AR. Individual pathogens, pathogen burden and markers of subclinical atherosclerosis: the Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Med* *(Hagerstown)*. 2009;10(10):747-751.](http://www.ncbi.nlm.nih.gov/pubmed/19444130?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
9. [Szpiro AA, Paciorek CJ. Measurement error in two-stage analyses, with application to air pollution epidemiology. *Environmetrics*. 2013;24(8):501-517.](https://www.ncbi.nlm.nih.gov/pubmed/24764691)
10. [Szpiro AA, Sampson PD, Sheppard L, Lumley T, Adar SD, Kaufman JD. Predicting Intra-Urban Variation in Air Pollution Concentrations with Complex Spatio-Temporal Dependencies. *Environmetrics*. 2009;21(6):606-631.](https://www.ncbi.nlm.nih.gov/pubmed/24860253)
11. [Szpiro AA, Sheppard L, Adar SD, Kaufman JD. Estimating acute air pollution health effects from cohort study data. *Biometrics*. 2014;70(1):164-174.](http://www.ncbi.nlm.nih.gov/pubmed/24571570)
12. [Tabb LP, McClure LA, Ortiz A, Melly S, Jones MR, Kershaw KN, Roux AVD. Assessing the spatial heterogeneity in black-white differences in optimal cardiovascular health and the impact of individual- and neighborhood-level risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). *Spat Spatiotemporal Epidemiol*. 2020;33:100332. doi: 10.1016/j.sste.2020.100332.](https://www.ncbi.nlm.nih.gov/pubmed/32370943)
13. [Tajeu GS, Booth JN 3rd, Colantonio LD, Gottesman RF, Howard G, Lackland DT, O’Brien EC, Oparil S, Ravenell J, Safford MM, Seals SR, Shimbo D, Shea S, Spruill TM, Tanner RM, Munter P. Incident Cardiovascular Disease Among Adults with Blood Pressure <140/90 mm Hg. *Circulation*. 2017;136(9):798-812.](https://www.ncbi.nlm.nih.gov/pubmed/28634217)
14. [Takasu J, Budoff MJ, Katz R, Rivera JJ, O’Brien KD, Shavelle DM, Probstfield JL, O’Leary D, Nasir K. Relationship between common carotid intima-media thickness and thoracic aortic calcification: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2010;209(1):142-146.](http://www.ncbi.nlm.nih.gov/pubmed/19782983?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=4)
15. [Takasu J, Budoff MJ, O’Brien KD, Shavelle DM, Probstfield JL, Carr JJ, Katz R. Relationship between coronary artery and descending thoracic aortic calcification as detected by computed tomography: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2009;204(2):440-446.](http://www.ncbi.nlm.nih.gov/pubmed/19027115?ordinalpos=5&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
16. [Takasu J, Katz R, Nasir K, Carr JJ, Wong N, Detrano R, Budoff MJ. Relationships of thoracic aortic wall calcification to cardiovascular risk factors: the Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2008;155(4):765-771.](http://www.ncbi.nlm.nih.gov/pubmed/18371491?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
17. [Takasu J, Katz R, Shavelle DM, O’Brien K, Mao S, Carr JJ, Cushman M, Budoff MJ. Inflammation and descending thoracic aortic calcification as detected by computed tomography: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2008;199(1):201-206.](http://www.ncbi.nlm.nih.gov/pubmed/18191862?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
18. [Talbot D, Delaney JAC, Sandfort V, Herrington DM, McClelland RL. Importance of the lipid-related pathways in the association between statins, mortality, and cardiovascular disease risk: The Multi-Ethnic Study of Atherosclerosis. *Pharmacoepidemiol Drug Saf*. 2018;27(4):365-372.](https://www.ncbi.nlm.nih.gov/pubmed/29405501)
19. [Tanaka Y, Bundy JD, Allen NB, Uddin SMI, Feldman DI, Michos ED, Heckbert SR, Greenland P. Association of Erectile Dysfunction With Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Med*. 2020;133(5):613-620.e1.](https://pubmed.ncbi.nlm.nih.gov/31743659/)
20. [Tandon A, Chen CJ, Penman A, Hancock H, James M, Husain D, Andreoli C, Li X, Kuo JZ, Idowu O, Riche D, Papavasilieou E, Brauner S, Smith SO, Hoadley S, Richardson C, Kieser T, Vazquez V, Chi C, Fernandez M, Harden M, Cotch MF, Siscovick D, Taylor HA, Wilson JG, Reich D, Wong TY, Klein R, Klein BE, Rotter JI, Patterson N, Sorbrin L. African Ancestry Analysis and Admixture Genetic Mapping for Proliferative Diabetic Retinopathy in African *Americans. Invest Ophthalmol Vis Sci*. 2015;56(6):3999-4005.](https://www.ncbi.nlm.nih.gov/pubmed/?term=26098467)
21. [Tandri H, Daya SK, Nasir K, Bomma C, Lima JA, Calkins H, Bluemke DA. Normal Reference Values for the Adult Right Ventricle by Magnetic Resonance Imaging. *Am J Cardiol.* 2006;98(12):1660-1664.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17145230&query_hl=26&itool=pubmed_docsum)
22. [Tanner RM, Woodward M, Peralta C, Warnock DG, Gutierrez O, Shimbo D, Kramer H, Katz R, Muntner P. Validation of an Albuminuria Self-assessment Tool in the Multi-Ethnic Study of Atherosclerosis. *Ethn Dis*. 2015;25(4):427-434.](http://www.ncbi.nlm.nih.gov/pubmed/26676090)
23. [Taskiran NP, Hiura GT, Zhang X, Barr RG, Dashnaw SM, Hoffman EA, Malinsky D, Oelsner EC, Prince MR, Smith BM, Sun Y, Sun Y, Wild JM, Shen W, Hughes EW. Mapping Alveolar Oxygen Partial Pressure in COPD Using Hyperpolarized Helium-3: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study. *Tomography*. 2022;8(5):2268-2284.](https://pubmed.ncbi.nlm.nih.gov/36136886/)
24. [Tattersall MC, Dasiewicz AS, McClelland RL, Gepner AD, Kalscheur MM, Field ME, Heckbert SR, Hamdan MH, Stein JH. Persistent Asthma Is Associated With Increased Risk for Incident Atrial Fibrillation in the MESA. *Circ Arrhythm Electrophysiol*. 2020;13(2):e007685. doi: 10.1161/CIRCEP.119.007685.](https://pubmed.ncbi.nlm.nih.gov/32013555/)

1. [Tattersall MC, Dasiewicz AS, McClelland RL, Jarjour NN, Korcarz CE, Mitchell CC, Esnault S, Szklo M, Stein JH. Persistent Asthma Is Associated With Carotid Plaque in MESA.](https://pubmed.ncbi.nlm.nih.gov/36416156/) *[J Am Heart Assoc](https://pubmed.ncbi.nlm.nih.gov/36416156/)*[. 2022;11(23):e026644. doi: 10.1161/JAHA.122.026644.](https://pubmed.ncbi.nlm.nih.gov/36416156/)
2. [Tattersall MC, Gassett A, Korcarz CE, Gepner AD, Kaufman JD, Liu KJ, Astor BC, Sheppard L, Kronmal RA, Stein JH. Predictors of carotid thickness and plaque progression during a decade: the multi-ethnic study of atherosclerosis.](http://www.ncbi.nlm.nih.gov/pubmed/25213342) *[Stroke](http://www.ncbi.nlm.nih.gov/pubmed/25213342)*[. 2014;45(11):3257-3262.](http://www.ncbi.nlm.nih.gov/pubmed/25213342)
3. [Tattersall MC, Guo M, Korcarz CE, Gepner AD, Kaufman JD, Liu KJ, Barr RG, Donohue KM, McClelland RL, Delaney JA, Stein JH. Asthma predicts cardiovascular disease events: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2015;35(6):1520-1525.](http://www.ncbi.nlm.nih.gov/pubmed/25908767)
4. [Tedla YG, Driver S, Szklo M, Kuller L, Lima JAC, Michos ED, Ning H, deFilippi CR, Greenland P. Joint effect of highly-sensitive cardiac troponin T and ankle-brachial index on incident cardiovascular events: The MESA and CHS. *Am J Prev Cardiol*. 2023;13:100471. doi: 1016/j.ajpc.2023.100471. eCollection 2023 Mar.](https://pubmed.ncbi.nlm.nih.gov/36873803/)

1. [Tedla YG, Gepner A, Stein JH, Delaney JA, Liu CY, Greenland P. Optimal lifestyle behaviors and 10-year progression of arterial stiffness: The Multi-Ethnic Study of Atherosclerosis. *J Clin Hypertens (Greenwich)*. 2022;24(4):401-408.](https://pubmed.ncbi.nlm.nih.gov/35132757/)
2. [Tedla YG, Gepner AD, Vaidya D, Colangelo L, Stein JH, Liu K, Greenland P. Association between long-term blood pressure control and ten-year progression in carotid arterial stiffness among hypertensive individuals: the multiethnic study of atherosclerosis. *J Hypertens*. 2017;35(4):862-869.](https://www.ncbi.nlm.nih.gov/pubmed/28092279)
3. [Tedla YG, Yano Y, Carnethon M, Greenland P. Association Between Long-Term Blood Pressure Variability and 10-Year Progression in Arterial Stiffness: The Multiethnic Study of Atherosclerosis. *Hypertension*. 2017;69(1):118-127.](https://www.ncbi.nlm.nih.gov/pubmed/27849565)
4. [Tehrani DM, Zhao Y, Blaha MJ, Mora S, Mackey RH, Michos ED, Budoff MJ, Cromwell W, Otvos JD, Rosenblit PD, Wong ND. Discordance of Low-Density Lipoprotein and High-Density Lipoprotein Cholesterol Particle Versus Cholesterol Concentration for the Prediction of Cardiovascular Disease in Patients With Metabolic Syndrome and Diabetes Mellitus (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2016;117(12):1921-1927.](http://www.ncbi.nlm.nih.gov/pubmed/27156827)
5. [Thanassoulis G, Smith JG, Luk K, Schulz CA, Engert JC, Do R, Hindy G, Dufresne L, Almgren P, Owens DS, Harris TB, Peloso GM, Kerr KF, Wong Q, Smith AV, Budoff MJ, Rotter JI, Cupples LA, Rich S, Kathiresan S, Orho-Melander M, Gudnason V, O’Donnell CJ, Post WS; Cohorts for Heart and Aging Research in Genetic Epidemiology (CHARGE) Extracoronary Calcium Working Group. Association of low-density lipoprotein cholesterol-related genetic variants with aortic valve calcium and incident aortic stenosis. *JAMA*. 2014;312(17):1764-1771.](https://www.ncbi.nlm.nih.gov/pubmed/25344734)
6. [Thomas IC, McClelland RL, Allison MA, Ix JH, Michos ED, Forbang NI, Post WS, Wong ND, Budoff MJ, Criqui MH. Progression of calcium density in the ascending thoracic aorta is inversely associated with incident cardiovascular disease events. *Eur Heart J Cardiovasc Imaging*. 2018;19(12):1343-1350.](https://www.ncbi.nlm.nih.gov/pubmed/29415207)
7. [Thomas IC, McClelland RL, Michos ED, Allison MA, Forbang NI, Longstreth WT Jr, Post WS, Wong ND, Budoff MJ, Criqui MH. Density of calcium in the ascending thoracic aorta and risk of incident cardiovascular disease events. *Atherosclerosis*. 2017;265:190-196.](https://www.ncbi.nlm.nih.gov/pubmed/28917157)
8. [Thomas IC, Ratigan AR, Rifkin DE, Ix JH, Criqui MH, Budoff MJ, Allison MA. The association of renal artery calcification with hypertension in community-living individuals: the multiethnic study of atherosclerosis. *J Am Soc Hypertens*. 2016;10(2):167-174.](http://www.ncbi.nlm.nih.gov/pubmed/26796664)
9. [Thomas IC, Shiau B, Denenberg JO, McClelland RL, Greenland P, de Boer IH, Kestenbaum BR, Lin GM, Daniels M, Forbang NI, Rifkin DE, Hughes-Austin J, Allison MA, Jeffrey Carr J, Ix JH, Criqui MH. Association of cardiovascular disease risk factors with coronary artery calcium volume versus density. *Heart*. 2018;104(2):135-143.](https://www.ncbi.nlm.nih.gov/pubmed/28814488)
10. [Thomas IC, Takemoto ML, Forbang NI, Larsen BA, Michos ED, McClelland RL, Allison MA, Budoff MJ, Criqui MH. Associations of recreational and non-recreational physical activity with coronary artery calcium density vs. volume and cardiovascular disease events: the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J Cardiovasc Imaging*. 2020;21(2):132-140.](https://www.ncbi.nlm.nih.gov/pubmed/31670763)
11. [Thomas IC, Thompson CA, Yang M, Allison MA, Forbang NI, Michos ED, McClelland RL, Budoff MJ, Criqui MH. Thoracic Aorta Calcificaiton and Noncardiovascular Disease-Related Mortality. *Arterioscler Thromb Vasc Biol*. 2018;38(8):1926-1932.](https://www.ncbi.nlm.nih.gov/pubmed/29954753)
12. [Thomashow MA, Shimbo D, Parikh MA, Hoffman EA, Vogel-Claussen J, Hueper K, Fu J, Liu CY, Bluemke DA, Ventetuolo CE, Doyle MF, Barr RG. Endothelial microparticles in mild chronic obstructive pulmonary disease and emphysema. The multi-ethnic study of atherosclerosis chronic obstructive pulmonary disease study. *Am J Respir Crit Care Med*. 2013;188(1):60-68.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Thomashow+MA)

1. [Tibuakuu M, Jones MR, Navas-Acien A, Zhao D, Guallar E, Gassett AJ, Sheppard L, Budoff MJ, Kaufman JD, Michos ED. Exposure to ambient air pollution and calcification of the mitral annulus and aortic valve: the multi-ethnic study of atherosclerosis (MESA). *Environ Health*. 2017;16(1):133. doi: 10.1186/s12940-017-0346-x.](https://www.ncbi.nlm.nih.gov/pubmed/29268751)
2. [Tibuakuu M, Zhao D, de Boer IH, Guallar E, Bortnick AE, Lutsey PL, Budoff MJ, Kizer JR, Kestenbaum BR, Michos ED. Relation of Serum Vitamin D to Risk of Mitral Annular Aortic Valve Calcium (from the Multi-Ethnic Study of Atherosclerosis). Am J Cardiol. 2017;120(3):473-478.](https://www.ncbi.nlm.nih.gov/pubmed/28583687)
3. [Tison GH, Blaha MJ, Budoff MJ, Katz R, Rivera JJ, Bertoni AG, Wong ND, Blumenthal RS, Szklo M, Eng J, Tracy R, Nasir K. The relationship of insulin resistance and incidence and extracoronary calcification in the multi-ethnic study of atherosclerosis. *Atherosclerosis*. 2011;218(2):507-510.](http://www.ncbi.nlm.nih.gov/pubmed/21798541)
4. [Tison GH, Blaha MJ, Nasir K, Blumenthal RS, Szklo M, Ding J, Budoff MJ. Relation of Anthropometric Obesity and Computed Tomography Measured Nonalcoholic Fatty Liver Disease (from the Multiethnic Study of Atherosclerosis). *Am J Cardiol*. 2015;116(4):541-546.](http://www.ncbi.nlm.nih.gov/pubmed/26070222)
5. [Tison GH, Guo M, Blaha MJ, McClelland RL, Allison MA, Szklo M, Wong ND, Blumenthal RS, Budoff MJ, Nasir K. Multisite extracoronary calcification indicates increased risk of coronary heart disease and all-cause mortality: The Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomogr*. 2015;9(5):406-414.](http://www.ncbi.nlm.nih.gov/pubmed/26043963)
6. [Tison GH, Ndumele CE, Gerstenblith G, Allison MA, Polak JF, Szklo M. Usefulness of Baseline Obesity to Predict Development of a High Ankle Brachial Index (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2011;107(9):1386-1391.](http://www.ncbi.nlm.nih.gov/pubmed/21377643)
7. [Tobias DK, Manning AK, Wessel J, Raghavan S, Westerman KE, Bick AG, Dicorpo D, Whitsel EA, Collins J, Correas A, Cupples LA, Dupuis J, Goodarzi MO, Guo X, Howard B, Lange LA, Liu S, Raffield LM, Reiner AP, Rich SS, Taylor KD, Tinker L, Wilson JG, Wu P, Carson AP, Vasan RS, Fornage M, Psaty BM, Kooperberg C, Rotter JI, Meigs J, Manson JE; TOPMed Diabetes Working Group; National Heart, Lung, and Blood Institute TOPMed Consortium. Clonal Hematopoiesis of Inteterminate Potential (CHIP) and Incident Type 2 Diabetes Risk. *Diabetes Care*. 2023 Sep 27. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37756531/) [Tobias DK, Manning AK, Wessel J, Raghavan S, Westerman KE, Bick AG, Dicorpo D, Whitsel EA, Collins J, Correa A, Cupples LA, Dupuis J, Goodarzi MO, Guo X, Howard B, Lange LA, Liu S, Raffield LM, Reiner AP, Rich SS, Taylor KD, Tinker L, Wilson JG, Wu P, Carson AP, Vasan RS, Fornage M, Psaty BM, Kooperberg C, Rotter JI, Meigs J, Manson ME; TOPMed Diabetes Working Group and National Heart, Lung, and Blood Institute TOPMed Consortium. *Diabetes Care*. 2023;46(11):1978-1985.](https://pubmed.ncbi.nlm.nih.gov/37756531/)
8. [Tomey K, Diez Roux AV, Clarke P, Seeman T. Associations between neighborhood characteristics and self-rated health: A cross-sectional investigation in the Multi-Ethnic Study of Atherosclerosis (MESA) cohort. *Health Place*. 2013;24:267-274.](http://www.ncbi.nlm.nih.gov/pubmed/24211514)
9. [Tota-Maharaj R, Blaha MJ, Blankstein R, Silverman MG, Eng J, Shaw LJ, Blumenthal RS, Budoff MJ, Nasir K. Association of coronary artery calcium and coronary heart disease events in young and elderly participants in the multi-ethnic study of atherosclerosis: a secondary analysis of a prospective, population-based cohort. *Mayo Clin Proc*. 2014;89(10):1350-1359.](http://www.ncbi.nlm.nih.gov/pubmed/25236430)
10. [Tota-Maharaj R, Blaha MJ, Zeb I, Katz R, Blankstein R, Blumenthal RS, Budoff MJ, Nasir K. Ethnic and sex differences in Fatty liver on cardiac computed tomography: the multi-ethnic study of atherosclerosis. *Mayo Clin Proc*. 2014;89(4):493-503.](http://www.ncbi.nlm.nih.gov/pubmed/24613289)
11. [Tracy RP, Doyle MF, Olson NC, Huber SA, Jenny NS, Sallam R, Psaty BM, Kronmal RA. T-helper type 1 bias in healthy people is associated with cytomegalovirus serology and atherosclerosis: the multi-ethnic study of atherosclerosis. *J Am Heart Assoc*. 2013;2(3):e000117.](http://www.ncbi.nlm.nih.gov/pubmed/23688675)
12. [Trainor PJ, Brambatti M, Carlisle SM, Mullick AE, Shah SJ, Kahlon T, Mostacero DO, Mousavi H, Morgan ES, Tami Y, Michos ED, Ouyang P, Tsimikas ST, DeFilippis AP. Blood Levels of Angiotensingogen and Hypertension in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Coll Cardiol*. 2023;81(13):1248-1259.](https://pubmed.ncbi.nlm.nih.gov/36990544/)
13. [Tristão Parra M, De Moraes ACF, Nascimento-Ferreira MV, Mills PJ, Allison M. Longitudinal Associations of Physical Activity Patterns and the Environment: An 18-Year Follow-Up to the MESA Study. *Int J Environ Res Public Health*. 2022;19(17):10925. doi: 10.3390/ijerph191710925.](https://pubmed.ncbi.nlm.nih.gov/36078632/)
14. [Tristao Parra M, Sada I, Gold R, Vella CA, Price C, Miljkovic I, Eastman A, Allison M. Associations between muscle quality and N-terminal pro-B-type natriuretic peptide (NT-proBNP): The multi-ethnic study of atherosclerosis. *Am J Med Sci*. 2024;367(3):160-170.](https://pubmed.ncbi.nlm.nih.gov/38029852/)
15. [Tromp J, Paniagua SMA, Lau ES, Allen NB, Blaha MJ, Gansevoort RT, Hillege HL, Lee DE, Levy D, Ramachandran VS, vander Harst P, van Gilst WH, Larson MG, Shah SJ, de Boer RA, Lam CSP, Ho JE. Age dependent associations of risk factors with heart failure: pooled population based cohort study. *BMJ*. 2021;372.n461. doi: 10.1136.bmj.n461.](https://pubmed.ncbi.nlm.nih.gov/33758001/)
16. [Tsai MY, Cao J, Steffen BT, Weir NL, Rich SS, Liang S. Guan W. 5-Lipoxygenase Gene Variants Are Not Associated With Atherosclerosis or Incident Coronary Heart Disease in the Multi-Ethnic Study of Atherosclerosis Cohort. *J Am Heart Assoc*. 2016;4(3):e002814. doi: 10.1161/JAHA.115.002814.](http://www.ncbi.nlm.nih.gov/pubmed/27025886)
17. [Tsai MY, Guan W, Steffen BT, Lemaitre RN, Wu JHY, Tanaka T, Manichaikul A, Foy M, Rich SS, Wang L, Nettleton JA, Tang W, Gu X, Bandinelli S, King IB, McKnight B, Psaty BM, Siscovick D, Djousse L, Chen YI, Ferrucci L, Fornage M, Mozafarrian D, Tsai MY, Steffen LM. Genome-wide association study of plasma N6 polyunsaturated fatty acids within the cohorts for heart and aging research in genomic epidemiology consortium. *Circ Cardiovasc Genet*. 2014;7(3):321-331.](https://www.ncbi.nlm.nih.gov/pubmed/24823311)
18. [Tsai MY, Johnson C, Kao WH, Sharrett AR, Arends VL, Kronmal R, Jenny NS, Jacobs DR Jr, Arnett D, O’Leary D, Post W. Cholesteryl ester transfer protein genetic polymorphisms, HDL cholesterol, and subclinical cardiovascular disease in the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2008;200(2):359-367.](http://www.ncbi.nlm.nih.gov/pubmed/18243217?ordinalpos=10&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
19. [Tsai MY, Li N, Sharrett AR, Shea S, Jacobs DR Jr, Tracy R, Arnett D, Arends V, Post W. Associations of Genetic Variants in ATP-Binding Cassette A1 and Cholesteryl Ester Transfer Protein and Differences in Lipoprotein Subclasses in the Multi-Ethnic Study of Atherosclerosis. *Clin Chem*. 2009;55(3):481-488.](http://www.ncbi.nlm.nih.gov/pubmed/19131637?ordinalpos=56&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
20. [Tsai MY, Steffen BT, Guan W, McClelland RL, Warnick R, McConnell J, Hoefner DM, Remaley AT. New automated assay of small dense low-density lipoprotein cholesterol identifies risk of coronary heart disease: the multi-ethnic study of atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2014;34(1):196-201.](http://www.ncbi.nlm.nih.gov/pubmed/24233487)
21. [Tucker B, McClelland RL, Allison MA, Budoff MJ, Wu BJ, Barter PJ, Rye KA, Ong KL. Relationship of fibroblast growth factor 21 levels with inflammation, lipoproteins and non-alcoholic fatty liver disease. *Atherosclerosis*. 2020;299:38-44.](https://www.ncbi.nlm.nih.gov/pubmed/32220662)
22. [Tucker W, McClelland RL, Allison MA, Szklo M, Rye KA, Ong KL. The association of circulation fibroblast growth factor 21 levels with incident heart failure: The Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2023;143:155535. doi: 10.1016/j.metabol.2023.155535.](https://pubmed.ncbi.nlm.nih.gov/36931558/)
23. [Tucker WJ, Tucker B, Januszewski AS, Jenkins AJ, Keech AC, Kestenbaum BR, Allison MA, Rye KA, Ong KL. Association of cirdulation fibroblast growth factor 21 levels with all-cause and cardiovascular mortality: The multi-ethnic study of atherosclerosis. Association of circulating fibroblast growth factor 21 levels with all-cause and cardiovascular mortality: The multi-ethni study of atherosclerosis. *Clin Chim Acta*. 2024;555:117799. doi: 10.1016/j.cca.2024.117799.](https://pubmed.ncbi.nlm.nih.gov/38309558/)
24. [Turin TC, Coresh J, Matsushita K, Sang Y, Ballew SH, Appel LJ, Arima H, Chadban SJ, Cirillo M, Djurdjev O, Green JA, Heine GH, Inder LA, Irie F, Ishani A, Ix JH, Kovesdy CP, Marks A, Ohkubo T, Shalev V, Shankar A, Wen CP, de Jong PE, Iseki K, Stengel B, Gansevoort RT, Levey AS; for the CKD Prognosis Consortium. Decline in Estimated Glomerular Filtration Rate and Subsequent Risk of End Stage Renal Disease and Mortality. *JAMA*. 2014;311(24):2518-2531.](http://www.ncbi.nlm.nih.gov/pubmed/24892770)
25. [Turkbey EB, Jain A, Johnson C, Redheuil A, Arai AE, Gomes AS, Carr J, Hundley WG, Teixido-Tura G, Eng J, Lima JA, Bluemke DA. Determinants and normal values of ascending aortic diameter by age, gender, and race/ethnicity in the Multi-Ethnic Study of Atherosclerosis (MESA). *J Magn Reson Imaging*. 2014;39(2):360-368.](http://www.ncbi.nlm.nih.gov/pubmed/23681649)
26. [Turkbey EB, Jorgensen NW, Johnson WC, Bertoni AG, Polak JF, Roux AV, Tracy RP, Lima JA, Bluemke DA. Physical activity and physiologic cardiac remodeling in a community setting: the Multi-Ethnic Study of Atherosclerosis (MESA). *Heart*. 2010;96(1):42-48.](http://www.ncbi.nlm.nih.gov/pubmed/19858139?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
27. [Turkbey EB, McClelland RL, Kronmal RA, Burke GL, Bild DE, Tracy RP, Arai AE, Lima JA, Bluemke DA. The Impact of Obesity on the Left Ventricle The Multi-Ethnic Study of Atherosclerosis (MESA). *JACC: Cardiovasc Imaging*. 2010;3(3):266-274.](http://www.ncbi.nlm.nih.gov/pubmed/20223423)
28. [Turkbey EB, Nacif MS, Guo M, McClelland RL, Teixeira PB, Bild DE, Barr RG, Shea S, Post W, Burke G, Budoff MJ, Folsom AR, Liu CY, Lima JA, Bluemke DA. Prevalence and Correlates of Myocardial Scar in a US Cohort. *JAMA*. 2015;314(18):1945-1954.](http://www.ncbi.nlm.nih.gov/pubmed/26547466)
29. [Uddin SMI, Mirbolouk M, Dardari Z, Feldman DI, Cainzos-Achirica M, DeFilippis AP, Greenland P, Blankstein R, Billups KL, Miner MM, Nasir K, Blaha MJ. Erectile Dysfunction as an Independent Predictor of Future Cardiovascular Events. *Circulation*. 2018;138(5):540-542.](https://www.ncbi.nlm.nih.gov/pubmed/29891569)
30. [Unger E, Diez-Roux AV, Lloyd-Jones DM, Mujahid MS, Nettleton JA, Bertoni A, Badon SE, Ning H, Allen NB. Association of neighborhood characteristics with cardiovascular health in the multi-ethnic study of atherosclerosis. *Circ Cardiovasc Qual Outcomes*. 2014;7(4):524-531.](http://www.ncbi.nlm.nih.gov/pubmed/25006187)
31. [Unkart JT, Allison MA, Abdelmalek JA, Jenny NS, McClelland RL, Budoff M, Ix JH, Rifkin DE. Relation of Plasma Renin Activity to Subclinical Peripheral and Coronary Artery Disease (from the Multiethnic Study of Atherosclerosis). *Am J Cardiol*. 2020;125(12):1794-1800.](https://pubmed.ncbi.nlm.nih.gov/32307090/)
32. [Unkart JT, Allison MA, Araneta MRG, Ix JH, Matsushita K, Criqui MH. Burden of Peripheral Artery Disease on Mortality and Incident Cardiovascular Events. *Am J Epidemiol*. 2020;189(9):951-962.](https://pubmed.ncbi.nlm.nih.gov/32242233/)
33. [Unkart JT, Allison MA, Criqui MH, McDermott MM, Wood AC, Folsom AR, Lloyd-Jones D, Rasmussen-Torvik LJ, Allen N, Burke G, Szklo M, Cushman M, McClelland RL, Wassel CL. Life’s Simple 7 and Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. *Am J Prev Med*. 2019;56(2):262-270.](https://www.ncbi.nlm.nih.gov/pubmed/30553692)
34. [Unkart J, Larsen B, Bellettiere J, Allison M, McClelland RL, Miljkovic I, Vella CA, Ouyang P, De-Guzman KR, Criqui M. Muscle area density and risk of all-cause mortality: The Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2020;111:154321. doi: 10.1016/j.metabol.2020.154321.](https://pubmed.ncbi.nlm.nih.gov/32712219/)
35. [Vaidya D, Bennett WL, Sibley CT, Polak JF, Herrington DM, Ouyang P. Association of parity with carotid diameter and distensibility: multi-ethnic study of atherosclerosis. *Hypertension*. 2014;64(2):253-258.](http://www.ncbi.nlm.nih.gov/pubmed/24842921)
36. [Vaidya D, Coviello AD, Haring R, Wellons M, Lehtimäki T, Keildson S, Lunetta KL, He C, Fornage M, Lagou V, Mangino M, Onland-Moret NC, Chen B, Eriksson J, Garcia M, Liu YM, Koster A, Lohman K, Lyytikäinen LP, Petersen AK, Prescott J, Stolk L, Vandenput L, Wood AR, Zhuang WV, Ruokonen A, Hartikainen AL, Pouta A, Bandinelli S, Biffar R, Brabant G, Cox DG, Chen Y, Cummings S, Ferrucci L, Gunter M, Hankinson SE, Martikainen H, Hofman A, Homuth G, Illig T, Jansson JO, Johnson AD, Karasik D, Karlsson M, Kettunen J, Kiel DP, Kraft P, Liu J, Ljunggren O, Lorentzon M, Maggio M, Markus MR, Mellström D, Miljkovic I, Mire, D,  Nelson S, Papunen LM, Peeters PH., Prokopenko I, Raffel L, Reincke M, Reiner AP, Rexrode K, Rivadeneira F,  Schwartz SM, Siscovick D, Soranzo N, Stöckl D, Tworoger S,  Uitterlinden AG, van Gils CH, Vasan RS, Wichmann HE, Zhai G, Bhasin S,  Bidlingmaier M, Chanock SJ, De Vivo I, Harris TB, Hunter DJ, Kähönen M, Liu S, Ouyang P, Spector TD, van der SchouwYT, Viikari J, Wallaschofsk, H, McCarthy MI, Frayling YM, Murray A, Franks S, Järvelin MR, de Jong, FH, Raitakari O, Teumer A, Ohlsson C,  Murabito JM, Perry JR. A genome-wide association meta-analysis of circulating sex hormone-binding globulin reveals multiple Loci implicated in sex steroid hormone regulation. *PLoS Genet*. 2012;8(7):e1002805. doi: 10.1371/journal.pgen.1002805.](http://www.ncbi.nlm.nih.gov/pubmed/22829776)
37. [Vaidya D, Ding J, Hill JG, Lima JA, Crouse JR, III, Kronmal RA, Szklo M, Ouyang P. Skin tissue cholesterol assay correlates with presence of coronary calcium. *Atherosclerosis*. 2005;181(1):167-173.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=15939069)
38. [Vaidya D, Dobs A, Gapstur SM, Golden SH, Cushman M, Liu K, Ouyang P. Association of baseline sex hormone levels with baseline and longitudinal changes in waist-to-hip ratio: Multi-Ethnic Study of Atherosclerosis. *Int J Obes (Lond)*. 2012;36(12):1578-1584.](http://www.ncbi.nlm.nih.gov/pubmed/22270378)
39. [Vaidya D, Dobs A, Gapstur SM, Golden SH, Hankinson A, Liu K, Ouyang P. The association of endogenous sex hormones with lipoprotein subfraction profile in the Multi-Ethnic Study of Atherosclerosis. *Metabolism*. 2008;57(6):782-790.](http://www.ncbi.nlm.nih.gov/pubmed/18502260?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
40. [Vaidya D, Eriksson Al, Perry JRB, Coviello AD, Delgado GE, Ferrucci L, Hoffman AR, Huhtaniemi IT, Ikram MA, Karlsson MK, Kleber ME, Laughlin GA, Liu Y, Lorentzon M, Lunetta KL, Mellstrom D, Murabito JM, Murray A, Nethander M, Nielson CM, Prokopenko I, Pye SR, Raffel LJ, Rivadeneira F, Srikanth P, Stolk L, Teumer A, Travison TG, Uitterlinden AG, Vanderschueren D, Zmuda JM, Marz W, Orwoll ES, Ouyang P, Vandenput L, Wu FCW, de Jong FH, Bhasin S, Kiel DP, Ohlsson C. Genetic Determinants of Circulation Estrogen Levels and Evidence of a Causal Effect of Estradiol on Bone Density in Men. *J Clin Endocrinol Metab*. 2018;103(3)991-1004.](https://www.ncbi.nlm.nih.gov/pubmed/29325096)

1. [Vaidya D, Golden SH, Haq N, Heckbert SR, Liu K, Ouyang P. Association of sex hormones with carotid artery distensibility in men and postmenopausal women: multi-ethnic study of atherosclerosis. *Hypertension*. 2015;65(5):1020-1025.](http://www.ncbi.nlm.nih.gov/pubmed/25753974)
2. [Vaidya D, Heckbert SR, Wasserman BA, Ouyang P. Sex-specific association of age with carotid artery distensibility: multi-ethnic study of atherosclerosis. *J Womens Health (Larchmt)*. 2012;21(5):516-520.](http://www.ncbi.nlm.nih.gov/pubmed/22393881)
3. [Vaidya D, Ligthart S, Vaez A, Vosa U, Stathopoulou MG de Vries PS, Prins BP, Van der Most PJ, Tanaka T, Naderi E, Rose LM, Wu Y, Karlsson R, Barbalic M, Lin H, Pool R, Zhu G, Mace A, Sidore C, Trompet S, Mangino M, Sabater-Lleal M, Kemp JP, Abbasi A, Kacprowski T, Verwij N, Smith AV, Huang T, Marzi C, Feitosa MF, Lohman KK, Kleber ME, Milaneschi Y, Mueller C, Huq M, Vlachopoulou E, Lyytikainen LP, Oldmeadow C, Deelen J, Perola M, Zhao JH, Feenstra B; LifeLines Cohort Study, Amini M; CHARGE Inflammation Working Group, Lahti J, Schraut KE, Forgage M, Suktitipat B, Chen WM, Li X, Nutile T, Malerba G, Luan J, Bak T, Schork N, Del Greco M F, Thiering E, Mahajan A, Marioni RE, Mihailov E, Eriksson J, Ozel AB, Zhang W, Nethander M, Cheng YC, Aslibekyan S, Ang W, Gandin I, Yengo L, Portas L, Kooperberg C, Hofer E, Rajan KB, Schurmann C, den Hollander W, Ahluwalia TS, Zhao J, Draisma HHM, Ford I, Timpson N, Teumer A, Huang H, Wahl S, Liu Y, Huang J, Uh HW, Geller F, Joshi PK, Yanek lr, Trabetti E, Lehne B, Vozzi D, Verbanck M, Biino G, Saba Y, Meulenbelt I, O’Connell JR, Laakso M, Giulianini F, Magnusson PKE, Ballantyne CM, Hottenga JJ, Montgomery GW, Rivadineira F, Rueedi R, Steri M, Herzig KH, Stott DJ, Menni C, Franberg M, St Pourcain B, Felix SB, Pers TH, Bakker SJL, Kraft P, Peters A, Delgado G, Smit JH, Großmann V, Sinisalo J, Seppala I, Williams SR, Holliday EG, Moed M, Langenberg C, Raikkonen K, Ding J, Campbell H, Sale MM, Chen YI, James AL, Ruggiero D, Soranzo N, Hartman CA, Smith EN, Berenson GS, Fuchsberger C, Hernandez D, Tiesler CMT, Giedraitis V, Liewald D, Fischer K, Mellstrom D, Larsson A, Wang Y, Scott WR, Lorentzon M, Beilby J, Ryan KA, Pennell CE, Vuckovic D, Balkau B, Concas MP, Schmidt R, Mendes de Leon CF, Bottinger EP, Kloppenburg M, Paternoster L, Boehnke M, Musk AW, Willemsen G, Evans DM, Madden PAF, Kahonen M, Kutalik Z, Zoledziewska M, Karhunen V, Kritshevsky SB, Sattar N, Lachance G, Clarke R, Harris TB, Raitakari OT, Attia JR, van Heemst D, Kajantie E, Sorice R, Gambaro G, Scott RA, Hicks AA, Ferrucci L, Standi M, Lindgren CM, Starr JM, Karlsson M, Lind L, Li JZ, Chambers JC, Mori TA, de Geus EJCN, Heath AC, Martin NG, Auvinen J, Buckley BM, de Craen AJM, Waldenberger M, Strauch K, Meitinger T, Scott RJ, McEvoy M, Beekman M, Bombieri C, Ridker PM, Mohlke KL, Pedersen NL, Morrison AC, Boomsma DI, Whitfield JB, Strachan DP, Hofman A, Vollenweider P, Cucca F, Jarvelin MR, Jukema JW, Spector TD, Hamsten A, Zeller T, Uitterlinden AG, Nauck M, Gudnason V, Qi L, Grallert H, Borecki IB, Rotter JI, Marz W, Wild PS, Lokki ML, Boyle M, Salomaa V, Melbye M, Eriksson JG, Wilson JF, Penninx BWJH, Becker DM, Worrall BB, Gibson G, Krauss RM, Ciullo M, Zaza G, Wareham NJ, Oldehinkel AJ, Palmer LJ, Murray SS, Pramstaller PP, Bandinelli S, Heinrich J, Ingelsson E, Deary IJ, Magi R, Vandenput L, van der Harst P, Desch KC, Kooner JS, Ohlsson C, Hayward C, Lehtimaki R, Shuldiner AR, Arnett DK, Beilin LJ, Robino A, Froguel P, Pirastu M, Jess T, Koenig W, Loos RJF, Evans DA, Schmidt H, Smith GD, Slagboom PE, Eiriksdottir G, Morris AP, Psaty BM, Tracy RP, Nolte IM, Boerwinkle E, Visvikis-Siest S, Reiner AP, Gross M, Bis JC, Franke L, Franco OH, Benjamin EJ, Chasman DI, Dupuis J, Snieder H, Dehghan A, Alizadeh BZ. Genome Analyses of>200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. *Am J Hum Genet*. 2018;103(5):691-706.](https://www.ncbi.nlm.nih.gov/pubmed/30388399)
4. [Vaidya D, Szklo M, Cushman M, Holvoet P, Polak J, Bahrami H, Jenny NS, Ouyang P. Association of endothelial and oxidative stress with metabolic syndrome and subclinical atherosclerosis: multi-ethnic study of atherosclerosis. *Eur J Clin Nutr*. 2011;65(7):818-825.](http://www.ncbi.nlm.nih.gov/pubmed/21505504)
5. [Vaidya D, Szklo M, Ding J, Tracy R, Liu K, Saad M, Ouyang P. Agreement of two metabolic syndrome definitions and their association with subclinical atherosclerosis: multi-ethnic study of atherosclerosis cross sectional study. *Metab Syndr Relat Disord*. 2007;5(4):343-352.](http://www.ncbi.nlm.nih.gov/pubmed/18370804?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
6. [Vaidya D, Szklo M, Liu K, Schreiner PJ, Bertoni AG, Ouyang P. Defining the metabolic syndrome construct: Multi-Ethnic Study of Atherosclerosis (MESA) cross-sectional analysis. *Diabetes Care.* 2007;30(8):2086-2090.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17485573&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
7. [Vameghestahbanati M, Sack C, Wysoczanski A, Hoffman EA, Angelini E, Allen NB, Bertoni AG, Guo J, Jacobs Jr DR, Kaufman JD, Laine A Lin CL, Malinsky D, Michos ED, Oeslner EC, Shea SJ, Watson KE, Benedetti A, Barr RG, Smith BM. Association of dysanapsis with mortality among older adults. *Eur Respir J*. 2023;61(6):2300551. doi: 10.1183/13993003.00551-2023.](https://pubmed.ncbi.nlm.nih.gov/37263750/)
8. [van Ballegooijen AJ, Kestenbaum B, Sachs MC, de Boer IH, Siscovick DS, Hoofnagle AN, Ix JH, Visser M, Brouwer IA. Association of 25-Hydroxyvitamin D and Parathyroid Hormone With Incident Hypertension: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2014;63(12):1214-1222.](http://www.ncbi.nlm.nih.gov/pubmed/24480627)
9. [van Ballegooijen AJ, Robinson-Cohen C, Katz R, Criqui M, Budoff M, Li D, Siscovick D, Hoffnagel A, Shea SJ, Burke G, de Boer IJ, Kestenbaum B. Vitamin D metabolites and bone mineral density: The multi-ethnic study of atherosclerosis. *Bone*. 2015;78:186-193.](http://www.ncbi.nlm.nih.gov/pubmed/25976951)
10. [van der Werf NR, Dobrolinska MM, Greuter MJW, Willemink MJ, Fleischmann D, Bos D, Slart RHJA, Budoff M, Leiner T. Vendor Independent Coronary Calcium Scoring Imroves Individual Risk Assessment: MESA (Multi-Ethnic Study of Atherosclerosis). *JACC Cardiovasc Imaging*. 2023;16(12):1552-1564.](https://pubmed.ncbi.nlm.nih.gov/37318394/)
11. [van Gennip ACE, Sedaghat S, Carnethon MR, Allen NB, Klein BEK, Cotch MF, Chirinos DA, Stehouwer CDA, van Sloten MT. Retinal Microvascular Caliber and Incident Depressive Symptoms: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2022;191(5):843-855.](https://pubmed.ncbi.nlm.nih.gov/34652423/)
12. [Van Hee VC, Adar SD, Szpiro AA, Barr RG, Bluemke DA, Diez Roux AV, Gill EA, Sheppard L, Kaufman JD. Exposure to Traffic and Left Ventricular Mass and Function The Multi-Ethnic Study of Atherosclerosis. *Am J Respir Crit Care Med*. 2009;179(9):827-834.](http://www.ncbi.nlm.nih.gov/sites/entrez)
13. [Van Hee VC, Adar SD, Szpiro AA, Barr RG, Roux AD, Bluemke DA, Sheppard L, Gill EA, Bahrami H, Wassel C, Sale MM, Siscovick DS, Rotter JI, Rich SS, Kaufman JD. Common Genetic Variation, Residential Proximity to Traffic Exposure, and Left Ventricular Mass: The Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect*. 2010;118(7):962-969.](http://www.ncbi.nlm.nih.gov/pubmed/20308035)
14. [Van Hee VC, Szpiro AA, Prineas R, Neyer J, Watson K, Siscovick D, Kyun Park S, Kaufman JD. Association of long-term air pollution with ventricular conduction and repolarization abnormalities. *Epidemiology*. 2011;22(6):773-780.](http://www.ncbi.nlm.nih.gov/pubmed/21918454)
15. [Van Hollebeke RB, Cushman M, Schlueter EF, Allison MA. Abdominal Muscle Density Is Inversely Related to Adiposity Inflammatory Mediators. *Med Sci Sports Exerc*. 2018;50(7):1495-1501.](https://www.ncbi.nlm.nih.gov/pubmed/29401141)
16. [Varadarajan V, Ambale-Venkatesh B, Hong SY, Habibi M, Ashikaga H, Wu CO, Chen LY, Heckbert SR, Bluemke DA, Lima JAC. Association of Longitudinal Changes in NT-proBNP With Changes in Left Atrial Volume and Function: MESA. *Am J Hypertens*. 2021;34(6):626-635.](https://pubmed.ncbi.nlm.nih.gov/33491080/)
17. [Vargas JD, Aung N, Yang C, Cabrera CP, Warren HR, Fung K, Tzanis E, Barnes MR, Rotter JI, Taylor KD, Manichaikul AW, Lima JAC, Bluemke DA, Piechnik SK, Neubauer S, Munroe PB, Petersen SE. Genome-Wide Analysis of Left Ventricular Image-Derived Phenotypes Identifies Fourteen Loci Associated with Cardiac Morphogenesis and Heart Failure Development. *Circulatio*n. 2019;140(16):1318-1330.](https://www.ncbi.nlm.nih.gov/pubmed/31554410)
18. [Vargas JD, Aung N, Yang C, Fung K, Sanghvi MM, Piechnik SK, Neubauer S, Manichaikul A, Rotter JI, Taylor KD, Lima JAC, Bluemke DA, Kawut SM, Petersen SE, Munroe PB. Genome-wide association analysis reveals insights into the genetic architecture of right ventricular structure and function. *Nat Genet*. 2022;54(6):738-791.](https://pubmed.ncbi.nlm.nih.gov/35697868/)
19. [Vargas JD, Manichaikul A, Wang XQ, Rich SS, Rotter JI, Post WS, Polak JE, Budoff MJ, Bluemke DA. Common genetic variants and subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2016;245:230-236.](http://www.ncbi.nlm.nih.gov/pubmed/?term=26789557)
20. [Varma B, Ogunmoroti O, Ndumele CE, Kazzi B, Rodriguez CP, Osibogun O, Allison MA, Bertoni AG, Michos ED. Associations between endogenous sex hormone levels and adipokine levels in the Multi-Ethnic Study of Atherosclerosis. *Front Cardiovasc Med*. 2023;9:1062460. doi: 10.3389/fcvm.2022.1062460. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/36712262/)
21. [Varma B, Ogunmoroti O, Ndumele CE, Zhao D, Szklo M, Sweeney T, Allison MA, Budoff MJ, Subramanya V, Bertoni AG, Michos ED. Higher Leptin Levels Are Associated with Coronary Artery Calcium Progression: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabet Epidemiol Manag*. 2022;6:100047. doi: 10.1016/j.deman.2021.100047.](https://pubmed.ncbi.nlm.nih.gov/35132401/)
22. [Vashishtha D, McClelland RL, Ix JH, Rifkin DE, Jenny N, Allison M. Relation Between Calcified Atherosclerosis in the Renal Arteries and Kidney Function (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2017;120(8):1434-1439.](https://www.ncbi.nlm.nih.gov/pubmed/28826901)
23. [Vella CA, Allison MA. Associations of abdominal intermuscular adipose tissue and inflammation: The Multi-Ethnic Study of Atherosclerosis. *Obes Res Clin Pract*. 2018;12(6):534-540.](https://www.ncbi.nlm.nih.gov/pubmed/30213651)
24. [Vella CA, Allison MA, Cushman M, Jenny NS, Miles MP, Larsen B, Lakoski SG, Michos ED, Blaha MJ. Physical Activity and Adiposity-related Inflammation: The MESA. *Med Sci Sports Exerc*. 2017;49(5):915-921.](https://www.ncbi.nlm.nih.gov/pubmed/27977529)
25. [Vella CA, Cushman M, Van Hollebeke RB, Allison MA. Associations of Abdominal Muscle Area and Radiodensity with Adiponectin and Leptin: The Multiethnic Study of Atherosclerosis*. Obesity (Silver Spring)*. 2018;26(7):1234-1241.](https://www.ncbi.nlm.nih.gov/pubmed/29877610)
26. [Vella CA, Michos ED, Sears DD, Cushman M, Van Hollebeke RB, Wiest MM, Allison MA. Associations of Sedentary Behavior and Abdominal Muscle Density: The Multi-Ethnic Study of Atherosclerosis. *J Phys Act Health*. 2018;15(11):827-833.](https://www.ncbi.nlm.nih.gov/pubmed/30301405)
27. [Vella CA, Miljkovic I, Price CA, Allison M. Physical Activity Type and Intensity Are Associated With Abdominal Muscle Area and Density: The Multi-Ethnic Study of Atherosclerosis. *J Phys Act Health*. 2022;19(4):256-266.](https://pubmed.ncbi.nlm.nih.gov/35276663/)
28. [Vella CA, Nelson MC, Unkart JT, Miljkovic I, Allison MA. Skeletal muscle area and density are associated with lipid and lipoprotein cholesterol levels: The Multi-Ethnic Study of Atherosclerosis. *J Clin Lipidol*. 2020;14(1):143-153.](https://www.ncbi.nlm.nih.gov/pubmed/32061531)
29. [Ventetuolo CE, Baird GL, Barr RG, Bluemke DA, Fritz JS, Hill NS, Klinger JR, Lima JA, Ouyang P, Palevsky HI, Palmisciano AJ, Krishnan I, Pinder D, Preston IR, Roberts KE, Kawut SM. Higher Estradiol and Lower Dehydroepiandrosterone-Sulfate Levels Are Associated With Pulmonary Arterial Hypertension in Men. *Am J Respir Crit Care Med*. 2016;193(10):1168-1175.](http://www.ncbi.nlm.nih.gov/pubmed/26651504)
30. [Ventetuolo CE, Barr RG, Bluemke DA, Jain A, Delaney JA, Hundley WG, Lima JA, Kawut SM. Selective serotonin reuptake inhibitor use is associated with right ventricular structure and function: the MESA-right ventricle study. *PLoS One*. 2012;7(2):30480. doi: 10.1371/journal.pone.0030480.](http://www.ncbi.nlm.nih.gov/pubmed/22363441http:/www.ncbi.nlm.nih.gov/pubmed/22363441)
31. [Ventetuolo CE, Lima JA, Barr RG, Bristow MR, Bagiella E, Chahal H, Kizer JR, Lederer KJ, Bluemke DA, Kawut SM. The renin-angiotensin system and right ventricular structure and function: The MESA-Right Ventricle Study. *Pulm Circ*. 2012;2(3):379-386](http://www.ncbi.nlm.nih.gov/pubmed/23130107)
32. [Ventetuolo CE, Ouyang P, Bluemke DA, Tandri H, Barr RG, Bagiella E, Cappola AR, Bristow MR, Johnson C, Kronmal RA, Kizer JR, Lima LA, Kawut SM. Sex Hormones are Associated with Right Ventricular Structure and Function: The MESA-Right Ventricle Study. *Am J Respir Crit Care Med*. 2011;183(5)659-667.](http://www.ncbi.nlm.nih.gov/pubmed/20889903)
33. [Vettoretti M, Longato E, Zandona Z, Li Y, Pagan JA, Siscovick S, Carnethon MR, Bertoni AG, Facchinetti A, Di Camillo B. Addressing practical issues of predictive models translation into everyday practice and public health management: a combined model to predict the risk of type 2 diabetes improves incidence prediction and reduces the prevalence of missing risk predictions. *BMJ Open Diabetes Res Care*. 2020;8(1):e001223. doi: 10.1136/bmjdre-2020-001223.](https://pubmed.ncbi.nlm.nih.gov/32747386/)
34. [Vidula H, Liu K, Criqui MH, Szklo M, Allison M, Sibley C, Ouyang P, Tracy RP, Chan C, McDermott MM. Metabolic syndrome and incident peripheral artery disease – the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2015;243(1):198-203.](http://www.ncbi.nlm.nih.gov/pubmed/26398292)
35. [Vogel-Claussen J, Finn JP, Gomes AS, Hundley GW, Jerosch-Herold M, Pearson G, Sinha S, Lima JA, Bluemke DA. Left ventricular papillary muscle mass: relationship to left ventricular mass and volumes by magnetic resonance imaging. *J Comput Assist Tomogr*. 2006;30(3):426-432.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16778617&query_hl=16&itool=pubmed_docsum)
36. [Vogel-Claussen J, Li D, Carr J, Liu K, Szklo M, Lima JA, Bluemke DA. Extracoronary abnormalities on coronary magnetic resonance angiography in the multiethnic study of atherosclerosis study: frequency and clinical significance. *J Comput Assist Tomogr*. 2009;33(5):752-754.](http://www.ncbi.nlm.nih.gov/pubmed/19820506?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
37. Volpe GJ, Rizzi P, Nacif MS, Ricketts EP, Ambale-Venkatesh B, Liu CY, Gomes AS, Hundley WG, Prince MR, Carr JC, McClelland RL, Liu K, Eng J, Johnson WC, Winslow RL, Bluemke DA, Lima JA. Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). Curr Cardiovasc Imaging Rep. 2015;8:13. doi:10.1007/s12410-015-9329-x.

1. [Vrieze S, Jang SK, Evens L, Fialkowski A, Arnett DK, Ashley-Kock AE, Barnes KC, Becker DM, Bis JC, Blangero J, Bleecker ER, Boorgula MP, Bowden DW, Brody JA, Cade BE, Campbell Jenkins BW, Carson AP, Chavan S, Cupples LA, Custer B, Damrauer SM, David SP, de Andrade M, Dinardo CL, Fingerlin TE, Fornage M, Freedman BI, Garrett ME, Gharib SA, Glahn DC, Haessler J, Heckbert SR, Hokanson JE, Hou L, Hwang SJ, Hyman MC, Judy R, Justice AE, Kaplan RC, Kardia SLR, Kelly S, Kim W, Kooperberg C, Levy D, Lloyd-Jones DM, Loos RJF, Manichaikul AW, Gladwin MT, Martin LW, Nouraie M, Melander O, Meyers DA, Montgomery CG, North KE, Oelsner EC, Palmer ND, Payton M, Peljto AL, Peyser PA, Preuss M, Psaty BM, Qiao D, Rader DJ, Rafaels N, Redline S, Reed RM, Reiner AP, Rich SS, Rotter JI, Schwartz DA, Shadyab AH, Silverman EK, Smith NL, Smith JG, Smith AV, Smith JA, Tang W, Taylor KD, Telen MJ, Vasan RS, Gordeuk VR, Wang Z, Wang Z, Wiggins KL, Yanek LR, Yang IV, Young KA, Young KL, Zhang Y, Liu DJ, Keller MC. Rare genetic variants explain missing heritability in smoking.](https://pubmed.ncbi.nlm.nih.gov/35927319/) *[Nat Hum Behav](https://pubmed.ncbi.nlm.nih.gov/35927319/)*[. 2022;6(11):1577-1586.](https://pubmed.ncbi.nlm.nih.gov/35927319/)
2. [Vrieze SI, Chen F, Wang X, Jang SK, Quach BC, Weissenkampen JD, Khunsriraksakul C, Yang L, Sauteraud R, Albert CM, Allred NDD, Arnett DK, Ashley-Koch AE, Barnes KC, Barr RG, Becker DM, Bielak LF, Bis JC, Blangero J, Boorgula MP, Chasman DI, Chavan S, Chen YDI, Chuang LM, Correa A, Curran JE, David SP, de Las Fuentes L, Deka R, Duggirala R, Faul JD, Garrett ME, Gharib SA, Guo X, Jhall ME, Hawley NL, He J, Hobbs BD, Hokanson JE, Hsiung CA, Hwang SJ, Hyde TM, Irvin MR, Jaffe AE, Johnson EO, Kaplan R, Kardia SLR, Kaufman JD, Kelly TN, Kleinman JE, Kooperberg C, Lee IT, Levy D, Lutz SM, Manichaikul AW, Martin LW, Marx O, McGarvey ST, Minster RL, Moll M, Moussa KA, Naseri T, North KE, Oelsner EC Peralta JM, Peyser PA, Psaty BM, Rafaels N, Raffield LM, Reupena MS, Rich SS, Rotter JI, Schwartz D, Shadyab AH, Sheu WHH, Sims M, Smith JA, Sun X, Taylor KD, Telen MJ, Watson H, Weeks DE, Weir DR, Yanek LR, Young KA, Young KL, Zhao W, Hancock DB, Jiang B, Liu DJ. Multi-ancestry transcriptome-wide association analyses yield insights into tobacco use biology and drug repurposing. *Nat Genet*. 2023;55(2):291-300.](https://pubmed.ncbi.nlm.nih.gov/36702996/)

1. [Wagenknecht LE, Divers J, Bertoni AG, Langefeld CD, Carr J, Bowden DW, Elbein SC, Shea S, Lewis CE, Freedman BI. Correlates of Coronary Artery Calcified Plaque in Blacks and Whites with Type 2 Diabetes. *Ann Epidemiol*. 2011;21(1):34-41.](http://www.ncbi.nlm.nih.gov/pubmed/21130367)
2. [Wallace DA, Qiu X, Schwartz J, Huang T, Scheer FAJL, Recline S, Sofer T. Light exposure during sleep is bidirectionally associated with irregular sleep timing: The multi-ethnic study of atherosclerosis (MESA). *Environ Pollut*. 2024;344:123258. doi: 10.1016/j.envpol.2023.123258.](https://pubmed.ncbi.nlm.nih.gov/38159634/)

1. [Wallace RL, Ogunmoroti O, Zhao D, Vaidya D, Heravi A, Guallar E, Ndumele CE, Lima JAC, Ouyang P, Budoff MJ, Allison M, Thomas I, Fashanu OE, Hoogeveen R, Post WS, Michos ED. Associations of urinary isoprostanes with measures of subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atheroscler Plus*. 2023;51:13-21. eCollection 2023 Mar.](https://pubmed.ncbi.nlm.nih.gov/36969704/)
2. [Walsh JA 3rd, Soliman EZ, Ilkanoff L, Ning H, Liu K, Nazarian S, Lloyd-Jones DM. Prognostic value of frontal QRS-T angle in patients without clinical evidence of cardiovascular disease (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2013;112(12):1880-1884.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Prognostic+value+of+frontal+QRS-T+angle+in+patients+without+clinical+evidence+of)
3. [Wan E, Bennett BD, Pittman GS, Campbell MR, Reynolds LM, Porter DK, Crowl CL, Wang X, Su D, Englert NA, Thompson IJ, Liu Y, Bell DA. Identification of Smoking-Associated Differentially Methylated Regions Using Reduced Representation Bisulfite Sequencing and Cell type-Specific Enhancer Activation and Gene Expression. *Environ Health Perspect*. 2018;126(4):047015. doi: 10.1289/EHP2395.](https://www.ncbi.nlm.nih.gov/pubmed/29706059)
4. [Wan ES, Balte P, Schwartz JE, Bhatt SP, Cassano PA, Couper D, Daviglus ML, Dransfield MT, Gharib SA, Jacobs Jr DR, Kalhan R, London SJ, Navas-Acien A, O’Connor GT, Sanders JL, Smith BM, White W, Yende S, Oelsner EC. Association Between Preserved Ratio Impaired Spirometry and Clinical Outcomes in US Adults. *JAMA*. 2021;326(22):2287-2298.](https://pubmed.ncbi.nlm.nih.gov/34905031/)
5. [Wang FM, Cainzos-Achirica M, Ballew SH, Coresh J, Folsom AR, Howard CM, Post WS, Wagenknecht LE, Budoff, MJ, Blaha MJ, Matsushita K. Defining Demographic-Specific Coronary Artery Calcium Percentiles in the Population Aged >75: The ARIC and MESA. *Circ Cardiovasc Imaging*. 2023 Sep 1. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37655462/)
6. [Wang H, Cade BE, Sofer T, Sands SA, Chen H, Browning SR, Stilp AM, Louie TL, Thornton TA, Johnson WC, Below JE, Conomos MP, Evans DS, Gharib SA, Guo X, Wood AC, Mei H, Yaffe K, Loredo JS, Ramos AR, Barrett-Connor E, Ancoli-Israel S, Zee PC, Arens R, Shah NA, Taylor KD, Tranah GJ, Stone KL, Hanis CL, Wilson JG, Gottlieb DJ, Patel SR, Rice K, Post WS, Rotter JI, Sunyaev SR, Cai J, Lin X, Purcell SM, Laurie CC, Saxena R, Redline S, Zhu X. Admixture mapping identifies novel loci for obstructive sleep apnea in Hispanic/Latino Americans. *Hum Mol Genet*. 2019;28(4):675-687.](https://www.ncbi.nlm.nih.gov/pubmed/30403821)
7. [Wang H, Kurniansyah N, Cade BE, Goodman MO, Chen H, Gottlieb DJ, Gharib SA, Purcell SM, Lin X, Saxena R, Zhu X, Durda P, Tracy R, Liu Y, Taylor KD, Johnson WC, Gabriel S, Smith JD, Aguet F, Ardlie K, Blackwell T, Reiner AP, Rotter JI, Rich SS, TOPMed Sleep Traits Working Group; Redline S, Sofer T. Upregulated heme biosynthesis increases obstructive sleep apnea severity: a pathway-based Mendelian randomization study. *Sci Rep*. 2022;12(1):1472. doi: 10.1038/s41598-022-05415-4.](https://pubmed.ncbi.nlm.nih.gov/35087136/)
8. [Wang H, Nandakumar P, Tekola-Ayele F, Tayo BO, Ware EB, Gu CC, Lu Y, Yao J, Zhao W, Smith JA, Hellwege JN, Guo X, Edwards TL, Loos RJF, Arnett DK, Fornage M, Rotimi C, Kardia SLR, Cooper RS, Rao DC, Ehret G, Chakravarti A, Zhu X. Combined linkage and association analysis identifies rare and low frequency variants for blood pressure at 1q31. *Eur J Hum Genet*. 2019;27(2):269-277.](https://www.ncbi.nlm.nih.gov/pubmed/30262922)
9. [Wang L, Jerosch-Herold M, Jacobs DR Jr, Shahar E, Detrano R, Folsom AR. Coronary Artery Calcification and Myocardial Perfusion in Asymptomatic Adults. The MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol.* 2006;48(5):1018-1026.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16949496&query_hl=1&itool=pubmed_docsum)
10. [Wang L, Jerosch-Herold M, Jacobs DR, Jr., Shahar E, Folsom AR. Coronary risk factors and myocardial perfusion in asymptomatic adults: the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Coll Cardiol*. 2006;47(3):565-572.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16458137)
11. [Wang L, Szklo M, Folsom AR, Cook NR, Gapstur SM, Ouyang P. Endogenous sex hormones, blood pressure change, and risk of hypertension in postmenopausal women: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2012;224(1):228-234.](http://www.ncbi.nlm.nih.gov/pubmed/22862963)
12. [Wang L, Wong TY, Sharrett AR, Klein R, Folsom AR, Jerosch-Herold M. Relationship Between Retinal Arteriolar Narrowing and Myocardial Perfusion: Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2008;51(1):119-126.](http://www.ncbi.nlm.nih.gov/pubmed/17998474?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
13. [Wang M, Aaron CP, Madrigano J, Hoffman EA, Angelini E, Yang J, Laine A, Vetterli TM, Kinney PL, Sampson PD, Sheppard LE, Szpiro AA, Adar SD, Kirwa K, Smith B, Lederer DJ, Diez-Roux AV, Vedal S, Kaufman JD, Barr RG. Association Between Long-term Exposure to Ambient Air Pollution and Change in Quantitatively Assessed Emphysema and Lung Function. *JAMA*. 2019;322(6):546-556.](https://www.ncbi.nlm.nih.gov/pubmed/31408135)
14. [Wang M, Keller JP, Adar SD, Kim SY, Larson TV, Olives C, Sampson PD, Sheppard L, Szpiro AA, Vedal S, Kaufman JD. Development of Long-term Spatiotemporal Models for Ambient Ozone in Six Metropolitan regions of the United States: The MSA Air Study. *Atmos Environ (1994)*. 2015;123(A):79-87.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Development+of+Long-term+Spatiotemporal+Models+for+Ambient+Ozone+in+Six)
15. [Wang M, Li XS, Wang Z, de Oliveira Otto MC, Lemaitre RN, Fretts A, Sotoodehnia N, Budoff M, Nemet I, DiDonato JA, Tang WHW, Psaty BM, Siscovick DS, Hazen SL, Mozaffarian D. Trimethylamine N-oxide is associated with long-term mortality risk: the multi-ethnic study of atherosclerosis. *Eur Heart J*. 2023;44(18):1608-1618.](https://pubmed.ncbi.nlm.nih.gov/36883587/)
16. [Wang M, Sampson PD, Hu J, Kleeman M, Keller JP, Olives C, Szpiro AA, Vedal S, Kaufman JD. Combining Land-Use Regression and Chemical Transport Modeling in a Spatiotemporal Geostatistical Model for Ozone and PM2.5. *Environ Sci Technol*. 2016;50(10):5111-5118.](http://www.ncbi.nlm.nih.gov/pubmed/27074524)
17. [Wang M, Sampson PD, Sheppard L, Stein JH, Vedal S, Kaufman JD. Long-Term Exposure to Ambient Ozone and Progression of Subclinical Arterial Disease: The Multi-Ethnic Study of Atherosclerosis and Air Pollution. *Environ Health Perspect*. 2019;127(5):57001. doi: 10.1289/EHP3325.](https://www.ncbi.nlm.nih.gov/pubmed/31063398)
18. [Wang M, Zhou XHA, Curl C, Fitzpatrick A, Vedal S, Kaufman J. Long-term exposure to ambient air pollution and cognitive function in older US adults: The Multi-Ethnic Study of Atherosclerosis. *Environ Epidemiol*.2023;7(1):e242. doi: 10.1097/EE9.0000000000000242. eCollection 2023 Feb.](https://pubmed.ncbi.nlm.nih.gov/36777527/)
19. [Wang P, Castellani CA, Yao J, Huan T, Bielak LF, Zhao W, Haessler J, Joehanes R, Sun X, Guo X, Longchamps RJ, Manson JE, Grove ML, Bressler J, Taylor KD, Lappalainen T, Kasela S, Van Den Berg DJ, Hou L, Reiner A, Liu Y, Boerwinkle E, Smith JA, Peyser PA, Fornage M, Rich SS, Rotter JI, Kooperberg C, Arking DE, Levy D, Liu C, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. Epigenome-wide association study of mitochondrial genome copy number. *Hum Mol Genet*. 2021;31(2):309-319.](https://pubmed.ncbi.nlm.nih.gov/34415308/)
20. [Wang X, Sanchez BN, Golden SH, Shrager S, Kirschbaum C, Karlamangla AS, Seeman TE, Diez Roux AV. Stability and predictors of change in salivary cortisol measures over six years: MESA. *Psychoneuroendocrinology*. 2014;49:310-320.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Stability+and+predictors+of+change+in+salivary+cortisol)
21. [Wang YZ, Zhao W, Ammous F, Song Y, Du J, Shang L, Ratliff SM, Moore K, Kelly KM, Needham BL, Diez Rous AV, Liu, Y, Butler KR, Kardia SLR, Mukherjee B, Zhou X, Smith JA. DNA Methylation Mediates the Association Between Individual and Neighborhood Social Disadvantage and Cardiovascular Risk Factors. *Front Cardiovasc Med*. 2022;9:848768. doi: 10.3389/fcvm.2022.848768. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35665255/)
22. [Wang Z, Choi SW, Chami N, Boerwinkle E, Fornage M, Redline S, Bis JC, Brody JA, Psaty BM, Kim W, McDonald MLN, Regan EA, Silverman EK, Liu CT, Vasan RS, Kalyani RR, Mathias RA, Yanek LR, Arnett DK, Justice AE, North KE, Kaplan R, Heckbert SR, de Andrade M, Guo X, Lang LA, Rich SS, Rotter JI, Ellinor PT, Lubitz SA, Blangero J, Shoemaker MB, Darbar D, Gladwin MT, Albert CM, Chasman DI, Jackson RD, Kooperberg C, Reiner AP, O’Reilly PF, Loos RJF. The Value of Rare Genetic Variation in the Prediction of Common Obesity in European Ancestry Populations. *Front Endocrinol (Lausanne)*. 2022;13:863893. doi: 10.3389/fendo.2022.863893. eCollection 2022.](https://pubmed.ncbi.nlm.nih.gov/35592775/)
23. [Wassel CL, Avery CL, Richard MA, Highland HM, Bien S, Zubair N, Soliman EZ, Fornage M, Bielinski SJ, Tao R, Seyerle AA, Shah SJ, Lloyd-Jones Dm, Buyske S, Rotter JI, Post WS, Richard SS, Hindorff LA, Jeff JM, Shohet RV, Sotoodehnia N, Whitsel EA, Peters U, Haiman CA, Crawford DC, Kooperberg C, North KE. Fine mapping of QT interval regions in global populations refines previously identified QT interval loci and identifies signals unique to African and Hispanic descent populations. *Heart Rhythm*. 2017;14(4):572-580.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Fine+mapping+of+QT+interval+regions+inblobal+populations+refines+previously)
24. [Wassel CL, Berardi C, Pankow JS, Larson NB, Decker PA, Hanson NQ, Tsai MY, Criqui MH, Allison MA, Bielinski SJ. Soluble P-selectin predicts lower extremity peripheral artery disease incidence and change in the ankle brachial index: The Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2015;239(2):405-411.](http://www.ncbi.nlm.nih.gov/pubmed/25682040)
25. [Wassel CL, Jacobs DR Jr, Duprez DA, Bluemke DA, Sibley CT, Criqui MH, Peralta CA. Association of self-reported race/ethnicity and genetic ancestry with arterial elasticity: the Multi-Ethnic Study of Atherosclerosis (MESA). *J Am Soc Hypertens*. 2011;5(6):463-472.](http://www.ncbi.nlm.nih.gov/pubmed/21890448)
26. [Wassel CL, Murabito JM, White CC, Kavousi M, Sun YV, Feitosa MF, Nambi V, Lamina C, Schillert A, Coassin S, Bis JC, Broer L, Crawford DC, Franceshini N, Frikke-Schmidt R, Haun M, Holewijn S, Huffman JE, Hwang SJ, Kiechl S, Kollerits B, Montasser ME, Nolte IM, Rudock ME, Senft A, Teumer A, van der Harst P, Vitart V, Waite LL, Wood AR, Absher DM, Allison MA, Amin N, Arnold A, Asselbergs FW, Aulchenko Y, Bandinelli S. Barbalic M, Boban M, Brown-Gentry K, Couper DJ, Criqui MH, Dehghan A, den Heijer M, Dieplinger B, Ding J, Dorr M, Espinola-Klein C, Felix SB, Ferrucci L, Folsom AR, Fraedrich G, Gibson Q, Goodloe R, Gunjaca G, Haltmayer M, Heiss G, Hofman A, Kiebak A, Kiemeney LA, Kolcic I, Kullo IJ, Kritchevsky SB, Lackner KJ, Li X, Lieb W, Lohman K, Meisinger C, Melzer D, Mohler ER 3rd, Mudnic I, Mueller T, Navis G, Oberhollenzer F, Olin JW, O’Connell J, O’Donnel CJ, Palmas W, Penninx BW, Petersmann A, Polasek O, Psaty BM, Rantner B, Rice K, Rivadeneira F, Rotter JI, Seldenrijk A, Stadler M, Summerer M, Tanaka T, Tybjaerg-Hansen A, Uitterlinden AG, van Gilst WH, Vermeulen SH, Wild SH, Wild PS, Willeit J, Zeller T, Zemunik T, Zgaga L, Assimes TL, Blankenberg S, Boerwinkle E, Campbell H, Cooke JP, de Graaf J, Herrington D, Kardia SL, Mitchell BD, Murray A, Munzel T, Newman AB, Oostra BA, Rudan I, Shuldiner AR, Snieder H, van Duijn CM, Volker U. Wright AF, Wichmann HE, Wilson JF, Witterman JC, Liu Y, Hayward C, Borecki IB, Ziegler A, North KE, Cupples LA, Kronenberg F. Association between chromosome 9p21 variants and the ankle-brachial index identified by a meta-analysis of 21 genome-wide association studies. *Circ Cardiovasc Genet*. 2012;5(1):100-112.](http://www.ncbi.nlm.nih.gov/pubmed/22199011)
27. [Wassel CL, Natarajan P, Bielak LF, Cox AJ, Dorr M, Feitosa MF, Franceschini N, Guo X, Hwang SJ, Isaacs A, Jhun MA, Kavousi M, Li-Gao R, Lyytikainen LP, Marioni RE, Schminke U, Stitziel NO, Tada H, van Setten J, Smith AV, Vojinovic D, Yanek LR, Yao J, Yerges-Armstrong LM, Amin N, Baber U, Borecki IB, Carr JJ, Chen YI, Cupples LA, de Jong PA, de Koning H, de Vos BD, Demirkan A, Fuster V, Franco OH, Goodarzi MO, Harris TB, Heckbert SR, Heiss G, Hoffmann U, Hofman A, Isgum I, Jukema JW, Kahonen M, Kardia SL, Kral BG, Launer LJ, Massaro J, Mehran R, Mitchell BD, Mosley TH Jr, de Mutsert R, Newman AB, Nguyen KD, North KE, O’Connell JR, Oudkerk M, Pankow JS, Peloso GM, Post W, Province MA, Raffield LM, Raitakari OT, Reilly DF, Rivadeneira F, Rosendaal F, Sartori S, Taylor KD, Teumer A, Trompet S, Turner ST, Uitterlinden AG, Vaidya D, van der Lugt A, Volker U, Wardlaw JM, Weiss S, Wojczynski MK, Becker DM, Becker LC, Boerwinkle E, Bowden DW, Deary IJ, Dehghan A, Felix SB, Gudnason V, Lehtimaki T, Mathias R, Mook-Kanamori DO, Psaty BM, Rader DJ, Rotter JI, Wilson JG, van Dulin CM, Volzke H, Kathiresan S, Peyser PA, O’Donnell CJ; CHARGE Consortium. Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. *Circ Cardiovasc Genet*. 2016;9(6):511-520.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Multiethnic+Exome-Wide+Association+Stuey+of+Subclinicval+Atherosclerosis)
28. [Wassel CL, Nielson CM, Liu CT, Smith AV, Ackert-Bicknell CL, Reppe S, Jakobsdottir J, Register TC, Oei L, Alonso N, Oei DH, Parimi N, Samelson EJ, Nalls MA, Zmuda J, Lang T, Bouxsein M, Latourelle J, Claussnitzer M, Siggeirsdottir K, Srikanth P, Lorentzen E, Vandenput L, Langefeld C, Raffield L, Terry G, Cox AJ, Allison MA, Criqui MH, Bowden D, Ikram MA, Mellstrom D, Karlsson MK, Carr J, Budoff M, Phillips C, Cupples LA, Chou WC, Myers RH, Ralston SH, Gautvik KM, Cawthon PM, Cummings S, Karaski D, Rivadeneira F, Gudnason V, Orwoll ES, Harris TB, Ohlsson C, Kiel DP, Hsu YH. Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of SLC1A3 and EPHB2. *J Bone Miner Res*. 2016;31(12):2085-2097.](https://www.ncbi.nlm.nih.gov/pubmed/27476799)
29. [Wassel CL, Pankow JS, Peralta CA, Choudhry S, Seldin MF, Arnett DK. Genetic Ancestry Is Associated With Subclinical Cardiovascular Disease in African-Americans and Hispanics From the Multi-Ethnic Study of Atherosclerosis. *Circ Cardiovasc Genet*. 2009;2(6):629-636.](http://www.ncbi.nlm.nih.gov/pubmed/20031644)
30. [Wassel CL, Pankow JS, Rasmussen-Torvik LJ, Li N, Taylor KD, Guo X, Goodarzi MO, Palmas WR, Post WS. Association of SNPs in ADIPOQ and Subclinical Cardiovascular Disease in the Multi-Ethnic Study of Atherosclerosis (MESA). *Obesity (Silver Spring)*. 2011;19(4):840-847.](http://www.ncbi.nlm.nih.gov/pubmed/20930713)
31. [Wassel CL, Yoneyama S, Yao J, Guo X, Fernandez-Rhodes L, Lim U, Boston J, Buzkova P, Carlson CS, Cheng I, Cochran B, Copper R, Ehret G, Fornage M, Gong J, Gross M, Gu CC, Haessler J, Haiman CA, Henderson B, Hindorff LA, Houston D, Irvin MR, Jackson R, Kuller L, Leppert M, Lewis CE, Li R, Le Marchand L, Matise TC, Nguyen KD, Chakravarti A, Pankow JS, Pankratz N, Pooler L, Ritchie MD, Bien SA, Chen YD, Taylor KD, Allison M, Rotter JI, Schreiner PJ, Schumacher F, Wilkens L, Boerwinkle E, Kooperberg C, Peters U, Buyske S, Graff M, North KE. Generalization and fine mapping of European ancestry-based central adiposity. *Int J Obes (Lond)*. 2017;41(2):324-331.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Generalization+and+fine+mapping+of+European+ancestry-based)
32. [Wasserman BA, Sharrett AR, Lai S, Gomes AS, Cushman M, Folsom AR, Bild DE, Kronmal RA, Sinha S, Bluemke DA. Risk Factor Associations with the Presence of a Lipid Core in Carotid Plaque of Asymptomatic Individuals Using High-Resolution MRI. The Multi-Ethnic Study of Atherosclerosis (MESA). *Stroke*. 2008;39(2):329-335.](http://www.ncbi.nlm.nih.gov/pubmed/18174475?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
33. [Watson M, Dardari Z, Kianoush S, Hall ME, DeFilippis AP, Keith RJ, Benjamin EJ, Rodriguez CJ, Bhatnagar A, Lima JA, Butler J, Blaha MJ, Rifai MA. Relation Between Cigarette Smoking and Heart Failure (from the Multiethnic Study of Atherosclerosis). *Am J Cardiol*. 2019 Mar 18. [Epub ahead of print]](https://www.ncbi.nlm.nih.gov/pubmed/30967285)
34. [Wattanakit K, Folsom AR, Criqui MH, Kramer HJ, Cushman M, Shea S, Hirsh AT. Albuminuria and peripheral arterial disease: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2008;201(1):212-216.](http://www.ncbi.nlm.nih.gov/pubmed/18281047?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=2)
35. [Weatherspoon DJ, Borrell LN, Johnson CW, Mujahid MS, Neighbors HW, Adar SD. Racial and Ethnic Differences in Self-Reported Periodontal Disease in the Multi-Ethnic Study of Atherosclerosis (MESA). *Oral Health Prev Dent*. 2016;14(3):249-257.](http://www.ncbi.nlm.nih.gov/pubmed/26870845)
36. [Weiner SD, Ahmed HN, Jin Z, Cushman M, Herrington DM, Nelson JC, Di Tullio MR, Homma S. Systematic inflammation and brachial artery endothelial function in the Multi-Ethnic Study of Atherosclerosis (MESA). *Heart*. 2014;100(11):862-866.](http://www.ncbi.nlm.nih.gov/pubmed/24714919)
37. [Weinstock JS, Laurie CA, Broome JG, Taylor KD, Guo X, Shuldiner AR, O’Connell JR, Lewis JP, Boerwinkle E, Barnes KC, Chami N, Kenny EE, Loos RJF, Fornage M, Redline S, Cade BE, Gilliland FD, Chen Z, Gauderman WJ, Kumar R, Grammer L, Schleimer RP, Psaty BM, Bis JC, Brody JA, Silverman EK, Yun JH, Qiao D, Weiss ST, Lasky-Su J, DeMeo DL, Palmer ND, Freedman BI, Bowden DW, Cho MH, Vasan RS, Johnson AD, Yanek LR, Becker LC, Kardia S, He J, Kaplan R, Heckbert SR, Smith NL, Wiggins KL, Arnett DK, Irvin MR, Tiwari H, Correa A, Raffield LM, Gao Y, de Andrade M, Rotter JI, Rich SS, Manichaikul AW, Konkle BA, Johnson JM, Wheeler MM, Custer BS, Duggirala R, Curran JE, Blangero J, Gui H, Xiao S, Williams LK, Meyers DA, Li X, Ortega V, McGarvey S, Gu CC, Chen YDI, Lee WJ, Shoemaker MB, Darbar D, Roden D, Albert C, Kooperberg C, Desai P, Blackwell TW, Abecasis GR, Smith AV, Kang HM, Mathias R, Natarajan P, Jaiswal S, Reiner AP, Bick AG; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. The genetic determinants of recurrent somatic mutations in 43,693 blood genomes. *Sci Adv*. 2023;9(17):eabm4945. doi: 10.1126/sciadv.abm4945.](https://pubmed.ncbi.nlm.nih.gov/37126548/)
38. [Weir NL, Guan W, Karger AB, Klein B, Meuer S, Cotch MF, Guo X, Li X, Tan J, Genter P, Chen YDI, Rotter JI, Ipp E, Tsai MY. Omega-3 fatty acids are associated with decreased presence and severity of diabetic retinopathy: A Combined Analysis of MESA and GOLDR Cohorts. *Retina*. 2023. doi: 10.1097/IAE.0000000000003745.](https://pubmed.ncbi.nlm.nih.gov/36735419/)
39. [Weir NL, Nomura SO, Guan W, Garg PK, Allison M, Misialek JR, Karger AB, Pankow JS, Tsai MY. Omega-3 Polyunsaturated Fatty Acids are not associated with Peripheral Artery Disease in a Meta-Analysis from the Multi-Ethnic Study of Atherosclerosis and Atherosclerosis Risk in Communities Study Cohorts. *J Nutr*. 2024;154(1):87-94.](https://pubmed.ncbi.nlm.nih.gov/37940004/)
40. [Weir NL, Nomura SO, Steffen BT, Guan W, Karger AB, Klein R, Klein BEK, Cotch MF, Tsai MY. Associations between omega-6 polyunsaturated fatty acids, hyperinsulinemia and incident diabetes by race/ethnicity: The Multi-Ethnic Study of Atherosclerosis. *Clin Nutr*. 2020;39:3031-3041.](https://pubmed.ncbi.nlm.nih.gov/32008872/)
41. [Weir NL, Steffen BT, Guan W, Johnson LM, Djousse L, Mukamal KJ, Tsai MY. Circulating omega-7 fatty acids are differentially related to metabolic dysfunction and incident type II diabetes: The Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Metab*. 2020;46(4):319-325.](https://pubmed.ncbi.nlm.nih.gov/31706030/)
42. [Weiss NS, McClelland R, Criqui MH, Wassel CL, Kronmal R. Incidence and predictors of clinical peripheral artery disease in asymptomatic persons with a low ankle-brachial index. *J Med Screen*. 2018;25(4):218-222.](https://www.ncbi.nlm.nih.gov/pubmed/29720042)
43. [Weiss NS, Trejo EP, Kronmal R, Lima J, Heckbert SR. Incidence of Atrial Fibrillation in Persons with Very High Serum Levels of N-Terminal Pro-B-Type Natriuretic Peptide: The Multi-Ethnic Study of Atherosclerosis. *Clin Epidemiol*. 2021;13:265-272.](https://pubmed.ncbi.nlm.nih.gov/33854380/)
44. [Wellons M, Ouyang P, Schreiner PJ, Herrington DM, Vaidya D. Early menopause predicts future coronary heart disease and stroke: the Multi-ethnic Study of Atherosclerosis. *Menopause*. 2012;19(10):1081-1087.](http://www.ncbi.nlm.nih.gov/pubmed/22692332)
45. [Wen CP, Matsushita K, Coresh J, Iseki K, Islam M, Katz R, McClellan W, Peralta CA, Wang H, de Zeeuw D, Astor BC, Gansevoort RT, Levey AS, Levin A; Chronic Kidney Disease Prognosis Consortium. *Kidney Int*. 2014;86(4):819-827.](https://www.ncbi.nlm.nih.gov/pubmed/24522492)
46. [Wenger DS, Kawut SM, Ding J, Bluemke DA, Hough CL, Kronmal RA, Lima JA, Leary PJ. Pericardial Fat and Right Ventricular Morphology: The Multi-Ethnic Study of Atherosclerosis- Right Ventricle Study (MESA –RV). *PLoS One*. 2016;11(6):e0157654. doi: 10.1371/journal.pone.0157654. eCollection 2016.](http://www.ncbi.nlm.nih.gov/pubmed/27311062)
47. [Westerman KE, Walker ME, Gaynor SM, Wessel J, DiCorpo D, Ma J, Alonso A, Aslibekyan S, Baldridge AS, Bertoni AG, Biggs ML, Brody JA, Chen YDI, Dupuis J, Goodarzi MO, Guo X, Hasbani NR, Heath A, Hidalgo B, Irvin MR, Johnson WC, Kalyani RR, Lange L, Lemaitre RN, Liu CT, Liu S, Moon JY, Nassir R, Pankow JS, Pettinger M, Raffield LM, Rasmussen-Torvik LJ, Selvin E, Senn MK, Shadyab AH, Smith AV, Smith N, Steffen L, Talegakwar S, Taylor KD, de Vriew PS, Wilson JG, Wood AC, Yanek LR, Yao J, Zheng Y, Boerwinkle E, Morrison AC, Fornage M, Russell TP, Psaty BM, Levy D, Heard-Costa NL, Ramachandran VS, Mathias RA, Arnett DK, Kaplan RK, North KE, Correa A, Carson A, Rotter JI, Rich SS, Manson JE, Reiner AP, Kooperberg C, Florez JC, Meigs JB, Merino J, Tobias DK, Ehcn H, Manning AK. Investigating Gene-Diet Interactions Impacting the Association Between Macronutrient Intake and Glycemic Traits. *Diabetes*. 2023;72(5):653-665.](https://pubmed.ncbi.nlm.nih.gov/36791419/)
48. [Wettersten N, Katz R, Greenberg JH, Gutierrez OM, Lima JAC, Sarnak MJ, Schrauben S, Deo R, Bonventre J, Vasan RS, Kimmel PL, Shlipak M, Ix JH. Association of Kidney Tubule Biomarkers With Cardiac Structure and Function in the Multiethnic Study of Atherosclerosis. *Am J Cardiol*. 2023;196:11-18.](https://pubmed.ncbi.nlm.nih.gov/37086700/)
49. [Weze KO, Obisesan OH, Dardari ZA, Cainzos-Achirica M, Dzaye O, Graham G, Miedema MD, Yeboah J, DeFilippis AP, Nasir K, Blaha MJ, Osei AD. The Interplay of Race/Ethnicity and Obesity on the Incidence of Venous Thromboembolism. *Am J Prev Med*. 2022;63(1)e11-e20. doi: 10.1016/j.amepre.2021.12.023.](https://pubmed.ncbi.nlm.nih.gov/35260291/)
50. [Whang W, Peacock J, Soliman EZ, Alcantara C, Nazarian S, Shah AJ, Davidson KW, Shea S, Munter P, Shimbo D. Relations Between Depressive Symptoms, Anxiety, and T Wave Abnormalities in Subjects Without Clinically-Apparent Cardiovascular Disease (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2014;114(12):1917-1922.](http://www.ncbi.nlm.nih.gov/pubmed/25438922)
51. [Wheeler AL, Scherzer R, Lee D, Delaney JA, Bacchetti P, Shlipak M, Sidney S, Grunfeld C, Tien PC; Study of Fat Redistribution and Metabolic Change in HIV Infection (FRAM). HIV/hepatitis C virus coinfection ameliorates the atherogenic lipoprotein abnormalities of HIV infection. *AIDS*. 2014;28(1):49-58.](http://www.ncbi.nlm.nih.gov/pubmed/24136113)
52. [Wheeler HE, Wittich H, Ardlie K, Taylor KD, Durda P, Liu Y, Mikhaylova A, Gignoux CR, Cho MH, Rich SS, Rotter JI; NLHBI TOPMed Consortium; Manichikul A, Im HK. Transcriptome-wide association study of the plasma proteome reveals cis and trans regulatory mechanisms underlying complex traits. *Am J Hum Genet*. 2024 Jan 30. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38320554/)
53. [Whelton SP, Blankstein R, Al-Mallah MH, Lima JA, Bluemke DA, Hundley WG, Polak JF, Blumenthal RS, Nasir K, Blaha MJ. Association of resting heart rate with carotid and aortic arterial stiffness: multi-ethnic study of atherosclerosis. *Hypertension*. 2013;62(3):477-484.](http://www.ncbi.nlm.nih.gov/pubmed/23836802)
54. [Whelton SP, Jha K, Dardari Z, Razavi AC, Boakye E, Dzaye O, Verghese D, Shah S, Budoff MJ, Matsushita K, Carr JR, Vasan RS, Blumenthal RS, Anchouche K, Thanassoulis G, Guo X, Rotter JI, McClelland RL, Post WS, Blaha MJ. Prevalence of Aortic Valve Calcium and the Long-Term Risk of Incident Severe Aortic Stenosis. *JACC Cardiovasc Imaging*, 2024;17(1):31-42.](https://pubmed.ncbi.nlm.nih.gov/37178073/)
55. [Whelton SP, Marshal CH, Cainzos-Achirica M, Dzaye O, Blumenthal RS, Nasir K, McClelland RL, Blaha MJ. Pooled Cohort Equations and the competing risk of cardiovascular disease versus cancer: Multi-Ethnic Study of atherosclerosis. *Am J Prev Cardiol*. 2021;7:100212. doi: 10.1016/j.ajpc.2021.100212. eCollection 2021.](https://pubmed.ncbi.nlm.nih.gov/34611644/)

1. [Whelton SP, Mauer AC, Pencina KM, Massaro JM, D’Agostino RB, Fox CS, Hoffmann U, Michos ED, Peloso GM, Dufresne L, Engert JC, Kathiresan S, Budoff M, Post WS, Thanassoulis G, O’Donnell CJ. Observational and Genetic Associations of Resting Heart Rate With Aortic Valve Calcium. *Am J Cardiol*. 2018;121(10):1246-1252.](https://www.ncbi.nlm.nih.gov/pubmed/29656781)
2. [Whelton SP, McEvoy JW, Shaw L, Psaty BM, Lima JAC, Budoff M, Nasir K, Szklo M, Blumenthal RS, Blaha MJ. Association of Normal Systolic Blood Pressure Level With Cardiovascular Disease in the Absence of Risk Factors. *JAMA Cardiol*. 2020;5(9):1011-1018.](https://pubmed.ncbi.nlm.nih.gov/32936272/)
3. [Whelton SP, Narla V, Blaha MJ, Nasir K, Blumenthal RS, Jenny NS, Al-Mallah MH, Michos ED. Association Between Resting Heart Rate and Inflammatory Biomarkers (High-Sensitivity C-Reactive Protein, Interleukin-6, and Fibrinogen) (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2014;113(4):644-649.](http://www.ncbi.nlm.nih.gov/pubmed/24393259)
4. [Whelton SP, Silverman MG, McEvoy JW, Budoff MJ, Blankstein R, Eng J, Blumenthal RS, Szklo M, Nasir K, Blaha MJ. Predictors of Long-Term Healthy Arterial Aging: Coronary Artery Calcium Nondevelopment in the MESA Study. *JACC Cardiovasc Imaging*. 2015;8(12):1393-1400.](http://www.ncbi.nlm.nih.gov/pubmed/26577261)
5. [Whitaker KM, Everson-Rose SA, Pankow JS, Rodriguez CJ, Lewis TT, Kershaw KN, Diez Roux AV, Lutsey PL. Experiences of Discrimination and Incident Type 2 Diabetes Mellitus: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Epidemiol*. 2017;186(4):445-455.](https://www.ncbi.nlm.nih.gov/pubmed/28407040)
6. [Whitaker KM, Lutsey PL, Ogilvie RP, Pankow JS, Bertoni A, Michos ED, Punjabi N, Redline S. Associations between polysomnography and actigraphy-based sleep indices and glycemic control among those with and without type 2 diabetes: the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2018;41(11). doi: 10.1093/sleep/zsy172.](https://www.ncbi.nlm.nih.gov/pubmed/30184232)
7. [Whitman IR, Patel VV, Soliman EZ, Bluemke DA, Praestgaard A, Jain A, Herrington D, Lima JA, Kawut SM. Validity of the Surface Electrocardiogram Criteria for Right Ventricular Hypertrophy: The MESA-RV Study (Multi-Ethnic Study of Atherosclerosis-Right Ventricle). *J Am Coll Cardiol*. 2014;63(7):672-681.](http://www.ncbi.nlm.nih.gov/pubmed/24080107)
8. [Whitlock MC, Yeboah J, Burke GL, Chen H, Klepin HD, Hundley WG. Cancer and Its Association With the Development of Coronary Artery Calcification: An Assessment From the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc*. 2015;4(11). pii: e002533. doi: 10.1161/JAHA.115.002533.](http://www.ncbi.nlm.nih.gov/pubmed/26553214)
9. [Wiggins KL, Floyd JS, Bansal N, Kestenbaum B, Heckbert SR. Kidney Function and Subclinical Arrhythmias: The Multi-Ethnic Study of Atherosclerosis. *Kidney Med*. 2021;3(6):1102-1105. doi: 10.1016/j.xkme.2021.06.010. eCollection Nov-Dec 2021.](https://pubmed.ncbi.nlm.nih.gov/34939023/)
10. [Wilkins JT, McDermott MM, Liu K, Chan C, Criqui MH, Lloyd-Jones DM. Associations of Noninvasive Measures of Arterial Compliance and Ankle-Brachial Index: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Hypertens*. 2012;25(5):535-541.](http://www.ncbi.nlm.nih.gov/pubmed/22357412)
11. [Williams A, Zhao S, Brock G, Kline D, Echouffo-Tcheugui JB, Effoe VS, Bertoni AG, Michos ED, de Boer IH, Kestenbaum B, Golden SH, Joseph JJ. Vitamin D, parathyroid hormone, glucose metabolism and incident diabetes in the multi-ethnic study of atherosclerosis. *BMJ Open Diabetes Res Care*. 2022;(5):e002931. doi: 10.1136/bmjdrc-2022-002931.](https://pubmed.ncbi.nlm.nih.gov/36162866/)
12. [Williams MS, Cushman M, Ouyang P, Heckbert SR, Kalyani RR, Vaidya D. Association of Serum Sex Hormones with Hemostatic Factors in Women On and Off Hormone Therapy: The Multiethnic Study of Atherosclerosis. *J Womens Health (Larchmt)*. 2016;25(2):166-172.](http://www.ncbi.nlm.nih.gov/pubmed/26700933)
13. [Wilton D, Szpiro A, Gould T, Larson T. Improving spatial concentration estimated for nitrogen oxides using a hybrid meteorological dispersion/land use regression model in Los Angeles, CA and Seattle, WA. *Sci Total Environ*. 2010;408(5):1120-1130.](http://www.ncbi.nlm.nih.gov/pubmed/20006373?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
14. [Win TT, de Vasconcellos HD, Chamera E, Hong SY, Ambale Venkatesh B, Young P, Yang X, Ciuffo L, Sharma RK, Ima M, Habibi M, Wud CO, Heckbert SR, Bluemke DA, Lima JAC. References Values for Left Atrial Volumes, Emptying Fractions, Strains, and Strain Rates and Their Determinants by Age, Gender, and Ethnicity: The Multiethnic Study of Atherosclerosis (MESA). *Acad Radiol*. 2021;28(3):356-363.](https://pubmed.ncbi.nlm.nih.gov/32279912/)
15. [Winston GJ, Barr RG, Carrasquillo O, Bertoni AG, Shea S. Sex and Racial/Ethnic Differences in Cardiovascular Disease Risk Factor Treatment and Control Among Individuals With Diabetes in the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2009;32(8):1467-1469.](http://www.ncbi.nlm.nih.gov/pubmed/19435957?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
16. [Winston GJ, Palmas W, Lima J, Polak JF, Bertoni AG, Burke G, Eng J, Gottesman R, Shea S. Pulse pressure and subclinical cardiovascular disease in the multi-ethnic study of atherosclerosis. *Am J Hypertens*. 2013;26(5):636-642.](http://www.ncbi.nlm.nih.gov/pubmed/23388832)
17. [Winther HB, Gutberlet M, Hundt C, Kaireit TF, Alsady TM, Schmidt B, Wacker F, Sun Y, Dettmer S, Maschke SK, Hinrichs JB, Jambawalikar S, Prince MR, Barr RG, Vogel-Claussen J. Deep sematic lung segmentation for tracking potential pulmonary perfusion biomarkers in chronic obstructive pulmonary disease (COPD): The multi-ethnic study of atherosclerosis COPD study. *J Magn Reason Imaging*. 2020;51(2):571-579.](https://www.ncbi.nlm.nih.gov/pubmed/31276264)
18. [Won CHJ, Reid M, Sofer, Azarbarzin A, Purcell S, White D, Wellman A, Sands S, Redine S. Sex Differences in Obstructive Sleep Apnea Phenotypes, the Multi-Ethnic Study of Atherosclerosis. *Sleep*. 2020;43(5):zsz274. doi: 10.1093/sleep/zsz274.](https://pubmed.ncbi.nlm.nih.gov/31687772/)
19. [Wong ND, Lopez VA, Allison M, Detrano RC, Blumenthal RS, Folsom AR, Ouyang P, Criqui MH. Abdominal aortic calcium and multi-site atherosclerosis: The Multiethnic Study of Atherosclerosis. *Atherosclerosis*. 2011;214(2):436-441.](http://www.ncbi.nlm.nih.gov/pubmed/21035803)
20. [Wong ND, Nelson JC, Granston T, Bertoni AG, Blumenthal RS, Carr JJ, Guerci A, Jacobs DR Jr, Kronmal R, Liu K, Saad M, Selvin E, Tracy R, Detrano R. Metabolic syndrome, diabetes, and incidence and progression of coronary calcium: the multiethnic study of atherosclerosis study. *JACC Cardiovasc Imaging*. 2012;5(4):358-366.](http://www.ncbi.nlm.nih.gov/pubmed/22498324)
21. [Wong ND, Zhao Y, Patel R, Patao C, Malik S, Bertoni AG, Correa A, Folsom AR, Kachroo S, Mukherjee J, Taylor H, Selvin E. Cardiovascular Risk Factor Targets and Cardiovascular Disease Event Risk in Diabetes: A Pooling Project of the Atherosclerosis Risk Communities Study, Multi-Ethnic Study of Atherosclerosis, and Jackson Heart Study. *Diabetes Care*. 2016;39(5):668-676.](http://www.ncbi.nlm.nih.gov/pubmed/27208374)
22. [Wong ND, Zhao Y, Quek RGW, Blumenthal RS, Budoff MJ, Cushman M, Garg P, Sandfort V, Tsai M, Lopez JAG. Residual atherosclerotic cardiovascular disease risk in statin-treated adults: The Multi-Ethnic Study of Atherosclerosis. *J Clin Lipidol*. 2017;11(5):1223-1233.](https://www.ncbi.nlm.nih.gov/pubmed/28754224)
23. [Wong TY, Cheung N, Islam FM, Klein R, Criqui MH, Cotch MF, Carr JJ, Klein BE, Sharrett AR. Relation of Retinopathy to Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis. *Am J of Epidemiol*. 2008;167(1):51-58.](http://www.ncbi.nlm.nih.gov/pubmed/17893402?ordinalpos=19&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)
24. [Wong TY, Islam FM, Klein R, Klein BE, Cotch MF, Castro D, Sharrett AR, Shahar E. Retinal Vascular Caliber, Cardiovascular Risk Factors, and Inflammation: The Multi-Ethnic Study of Atherosclerosis (MESA). *Investigative Ophthalmology & Visual Science.* 2006;47(6):2341-2350.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16723443&query_hl=4&itool=pubmed_docsum)
25. [Wong TY, Klein R, Islam FM, Cotch MF, Folsom AR, Klein BE, Sharrett AR, Shea S. Diabetic Retinopathy in a Multi-ethnic Cohort in the United States. *Am J Ophthalmol*. 2006;141(3):446-455.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Citation&list_uids=16490489)
26. [Wong TY, Liew G, Tapp RJ, Schmidt MI, Wang JJ, Mitchell P, Klein R, Klein BE, Zimmet P, Shaw J. Relation between fasting glucose and retinopathy for diagnosis of diabetes: three population-based cross-sectional studies. *Lancet*. 2008;371(9614):736-743.](http://www.ncbi.nlm.nih.gov/pubmed/18313502?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

1. [Wood AC, Fretts AM, Imamura F, Marklund M, Micha R, Wu JHY, Murphy RA, Chien KL, McKnight B, Tintle N, Forouhi NG, Qureshi WT, Virtanen JK, Wong K, Lankinen M, Rajaobelina K, Harris TB, Djousse L, Harris B, Wareham NJ, Steffen LM, Laakso M, Veenstra J, Samieri C, Brouwer IA, Yu CI, Koulman A, Steffen BT, Helmer C, Sotoodehnia N, Siscovick D, Gudnason V; InterAct Consortium, Wagenknecht L, Voutilainen S, Tsai MY, Uusitupa M, Kalsbeek A, Berr C, Mozaffarian D, Lemaitre RN. Associations of circulating very-long chain saturated fatty acids and incident type 2 diabetes: a pooled analysis of prospective cohort studies. *Am J Clin Nutr*. 2019;109(4):1216-1223.](https://www.ncbi.nlm.nih.gov/pubmed/30982858)
2. [Wood AC, Goodarzi MO, Senn MK, Gadgil MD, Graca G, Allison MA, Tzoulaki I, Mi MY, Greenland P, Ebbels T, Elliott P, Tracy RP, Herrington DM, Rotter JI. Associations between Metabolomic Biomarkers of Avocado Intake and Glycemia in the Multi-Ethnic Study of Atherosclerosis. *J Nutr*. 2023;153(10):2797-2807.](https://pubmed.ncbi.nlm.nih.gov/37562669/)

1. [Wood AC, Graca G, Gadgil M, Senn MK, Allison MA, Tzoulaki I, Greenland P, Ebbels T, Elliot P, Goodarzi MO, Tracy R, Rotter JI, Herrington D. Untargeted metabolomic analysis investigating links between unprocessed red meat intake and markers of inflammation. *Am J Clin Nutr*. 2023;118(5):989-999.](https://pubmed.ncbi.nlm.nih.gov/37660929/)
2. [Wood AC, Imamura F, Fretts AM, Marklund M, Ardisson Korat AV, Yang WS, Lankinen M, Qureshi W, Helmer C, Chen TA, Virtanen JK, Wong K. Bassett JK, Murphy R, Tintle N, Yu CI, Brouwer IA, Chien KL, Chen YY, Del Gobbo LC, Djousse L, Geleijnse JM, Giles GG, de Goede J, Gudnason V, Harris WS, Hodge A, Hu F; InterAct Consortium, Koulman A, Laakso M, Lind L, Lin HJ, McKnight B, Rajaobelina K, Riserus U, Robinson JG, Samieri C, Senn M, Siscovick DS, Soedamah-Muthu SS, Sotoodehnia N, Sun Q, Tsai MY, Tuomainen TP, Uusitupa M, Wagenknecht LE, Wareham NJ, Wu JHU, Micha R, Lemaitre RN, Mozaffarian D, Forouhi NG. Fatty acids in the de novo lipogenesis pathway and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. *PLoS Med*. 2020;17(6):e1003102. doi: 10.1371/journal.pmed.1003102. eCollection 2020 Jun.](https://pubmed.ncbi.nlm.nih.gov/32530938/)
3. [Wood AC, Lai HTM, Imamura F, Korat AVA, Murphy RA, Tintle N, Bassett JK, Chen J, Kroger J, Chein KL, Senn M, Forouhi NG, Schulze MB, Harris WS, Vassan RS, Hu F, Giles GG, Hodge A, Djousse L, Brower IA, Qian F, Sun Q, Wu JHY, Marklund M, Lemaitre RN, Siscovick DS, Fretts AM, Shadyab AH, Manson JE, Howard BV Robinson JG, Wallace RB, Wareham NJ, ChenYDI, Rotter JI, Tsai MY, Micha R, Mozaffarian D, Fatty Acids and Outcomes Research Consortium (FORCE). Trans Fatty Acid Biomarkers and Incident Type 2 Diabetes: Pooled Analysis of 12 Prospective Cohort Studies in the Fatty Acids and Outcomes Research Consortium (FORCE). *Diabetes Care*. 2022;45(4):854-863.](https://pubmed.ncbi.nlm.nih.gov/35142845/)
4. [Wood AC, Lam SY, Mommersteeg MC, Yu B, Broer L, Spaander MCW, Frost F, Weiss S, Volzke H, Lerch MM, Schottker B, Zhang Y, Stocker H, Breener H, Levy D, Hway SJ, Rich SS, Rotter JI, Taylor KD, Tracy RP, Kabagambe EK, Leja M, Klovins J, Peculis R, Redzite D, Nikitina-Zake L, Skenders G, Rovite V, Uitterlinden A, Kuipers EJ, Fuhler GM, Homuth G, Peppelenbosch MP. Toll-Like Receptor 1 Locus Re-examined in a Genome-Wide Association Study Update on Anti-Helicobacter pylori IgG Titers. *Gastroenterology*. 2022;162(6):1705-1715.](https://pubmed.ncbi.nlm.nih.gov/35031300/)
5. [Wood AC, Merino J, Dashti HS, Li SX, Sarnowski C, Justice AE, Graff M, Papoutsakis C, Smith CE, Dedoussis GV, Lemaitre RN, Wojczynski MK, Mannisto S, Ngwa JS, Kho M, Ahluwalia TS, Pervjakova N, Houston DK, Bouchard C, Huang T, Orho-Melander M, Mook-Kanamori DO, Perusse L, Pennell CE, de Vries PS, Voortman T, Li O, Kanoni S, Rose LM, Lehtimaki T, Zhao JH, Feitosa MF, Luan J, McKeown NM, Smith JA, Hansen T, Eklund N, Nalls MA, Rankinen T, Huang J, Hernandez DG, Schulz CA, Manichaikul A, Li-Gao R, Vohl MC, Wang CA, van Rooij FJA, Shin J, Kalafati IP, Day F, Ridker PM, Kahonen M, Siscovick DS, Langenberg C, Zhao W, Astrup A, Knekt P, Garcia M, Rao DC, Qi Q, Ferrucci L, Ericson U, Blangero J, Hofman A, Pausova Z, Mikkila V, Wareham NJ, Kardia SLR, Pedersen O, Jula A, Curran JE, Zillikens MC, Viikari JS, Forouhi NG, Ordovas JM, Lieske JC, Rissanen H, Uitterlinden AG, Raitakari OT, Kiefte-de Jong JC, Dupuis J, Rotter JI, North KE, Scott RA, Province MA, Perola M, Cupples LA, Turner ST, Sorensen TIA, Salomaa V, Liu Y, Sung YJ, Qi L, Bandinelli S, Rich SS, de Mutsert R, Tremblay A, Oddy WH, Franco OH, Paus T, Florez JC, Deloukas P, Lyytikainen LP, Chasman DI, Chu AY, Tanaka T. Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. *Mol Psychiatry*. 2019;24(12):1920-1932.](https://www.ncbi.nlm.nih.gov/pubmed/?term=29988085)
6. [Wood AC, Merino J, Guasch-Ferre M, Ellervik C, Dashti HS, Sharp SJ, Wu P, Overvad K, Sarnowski C, Kuokkanen M, Lemaitre RN, Justice AE, Ericson U, Braun KVE, Mahendran Y, Sun D, Chu AY, Tanaka T, Luan J, Hong J, Tjonneland A, Ding M, Lundqvist, A, Mukamal K, Rohde R, Schulz CA, Franco OH, Grarup N, Chen YI, Bazzano L, Franks PW, Buring JE, Langenberg C, Liu CT, Hansen T, Jensen MK, Saaksjarvi K, Psaty BM, Young KL, Hindy G, Sandholt CH, Ridker PM, Ordovas JM, Meigs JB, Pedersen O, Kraft P, Perola M, North KE, Orho-Melander M, Voortman T, Toft U, Rotter JI, Qi L, Forouhi NG, Mozaffarian D, Sorensen TIA, Stampfer MKJ, Mannisto S, Selvin E, Imamura F, Salomaa V, Hu FB, Warehame NJ, Dupuis J, Smith CE, Kilpelainen TO, Chasman DI, Florez JC. Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. *BMJ*. 2019;366:|4292.doi: 10.1136/bmj.|4292.](https://www.ncbi.nlm.nih.gov/pubmed/31345923)
7. [Wu JH, Lemaitre RN, Manichaikul A, Guan W, Tanaka T, Foy M, Kabagambe EK, Djousse L, Siscovick D, Fretts AM, Johnson C, King IB, Psaty BM, McKnight B, Rich SS, Chen YD, Nettleton JA, Tang W, Banddinelli S, Jacobs DR Jr, Browning BL, Laurie CC, Gu X, Tsai MY, Steffen LM, Ferrucci L, Fornage M, Mozaffarian D. Genome-wide association study identifies novel loci associated with concentrations of four plasma phospholipid fatty acids in the de novo lipogenesis pathway: results from the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium. *Circ Cardiovasc Genet*. 2013;6(2):171-183.](https://www.ncbi.nlm.nih.gov/pubmed/23362303)
8. [Xie E, Wu C, Ostovaneh M, Post WS, Kutty S, Soliman EZ, Bluemke DA, Heckbert SR, Lima J, Ambale-Venkatesh B. Intermediate Markers Underlying Electrocardiographic Predictors of Incident Atrial Fibrillation: The MESA. *Circ Arrhythm Electrophysiol*. 2021;14(12):e009805. doi: 10.1161/CIRCEP.121.009805.](https://pubmed.ncbi.nlm.nih.gov/34844442/)
9. [Xie E, Yu R, Ambale-Vankatesh B, Bakhshi H, Heckbert SR, Soliman EZ, Bluemke DA, Kawut SM, Wu CO, Nazarian S, Lima JAC. Association of Right Atrial Structure With Incident Atrial Fibrillation: A Longitudinal Cohort Cardiovascular Magnetic Resonance Study From the Multi-Ethnic Study of Atherosclerosis (MESA). *J Cardiovasc Magn Reason*. 2020;22(1):36. doi: 10.1186/s12968-020-00631-1.](https://pubmed.ncbi.nlm.nih.gov/32434529/)
10. [Xu J, Fan W, Budoff MJ, Heckbert SR, Amsterdam ED, Alonso A, Wong ND. Intermittent Nonhabitual Coffee Consumption and Risk of Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. *J Atr* *Fibrillation*. 2019;12(1):2205. doi: 10.4022/jafib.2205. eCollection 2019 Jun.](https://www.ncbi.nlm.nih.gov/pubmed/31687073)
11. [Yaffe K, Vittinghoff E, Hoang T, Mathews K, Golden SH, Zeki Al Hazzouri A. Cardiovascular Risk Factors Across the Life Course and Cognitive Decline: A Pooled Cohort Study. *Neurology*. 2021;96(17):e2212-e2219. doi: 10.1212/WNL. 0000000000011747.](https://pubmed.ncbi.nlm.nih.gov/33731482/)
12. [Yamagishi K, Ohira T, Nakano H, Bielinski SJ, Sakurai S, Imano H, Kivama M, Kitamura A, Sato S, Konishi M, Shahar E, Folsom AR, Iso H, Tanigawa T. Cross-cultural comparison of the sleep-disordered breathing prevalence among Americans and Japanese. *Eur Respir J*. 2010;36(2)379-384.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Cross-cultural+comparison+of+the+sleep-disordered+breathing+prevalence+among+Americans+and+Japanese)
13. [Yamamoto KT, Robinson-Cohen C, de Oliveira MC, Kostina A, Nettleton JA, Ix JH, Nguyen H, Eng J, Lima JA, Siscovick DS, Weiss NS, Kestenbaum B. Dietary phosphorus is associated with greater left ventricular mass. *Kidney Int*. 2013;83(4):707-714.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Dietary+phosphorus+is+associated+with+greater+left+ventricular+mass)
14. [Yan AT, Yan RT, Cushman M, Redheuil A, Tracy RP, Arnett DK, Rosen BD, McClelland RL, Bluemke DA, Lima JA. Relationship of interleukin-6 with regional and global left-ventricular function in asymptomatic individuals without clinical cardiovascular disease: insights from the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J*. 2010;31(7):875-882.](http://www.ncbi.nlm.nih.gov/pubmed/20064818)
15. [Yan RT, Fernandes V, Yan AT, Cushman M, Redheuil A, Tracy R, Vogel-Claussen J, Bahrami H, Nasir K, Bluemke DA, Lima JA. Fibrinogen and left ventricular myocardial systolic function: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2010;160(3):479-486.](http://www.ncbi.nlm.nih.gov/pubmed/20826256)
16. [Yan RT, Bluemke D, Gomes A, Burke G, Shea S, Bahrami H, Sinha S, Wu C, Fernandes V, McClelland R, Lima JA. Regional Left Ventricular Myocardial Dysfunction as a Predictor of Incident Cardiovascular Events MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2011;57(17):1735-1744.](http://www.ncbi.nlm.nih.gov/pubmed/21511109)
17. [Yang C, Hallmark B, Chai JC, O’Connor TD, Reynolds LM, Wood AC, Seeds M, Chen YDI, Steffen LM, Tsai MY, Kaplan RC, Daviglus ML, Mandarino LJ, Fretts AM, Lemaitre RN, Coletta DK, Blomquist SA, Johnstone LM, Tontsch C, Qi Q, Ruczinski I, Rich SS, Mathias RA, Chilton FH, Manichaikul A. Impact of Amerind ancestry and FADS genetic variation on omega-3 deficiency and cardiometabolic traits in Hispanic populations. *Commun Biol*. 2021;4(1):918. doi: 10.1038/s42003-021-02431-4.](https://pubmed.ncbi.nlm.nih.gov/34321601/)
18. [Yang E, Heckbert SR, Ding J, Spragg D, Calkins H, Shah S, Szklo M, Post WS, Sharma K. Prevalence of Subclincial Atrial Fibrillation in Heart Failure With Preserved Ejection Fraction. *JACC Heart Fail*. 2023 Nov 13. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/37999661/)
19. [Yang J, Angelini ED, Balte PP, Hoffman EA, Austin JHM, Smith BM, Barr RG, Laine AF. Novel Subtypes of Pulmonary Emphysema Based on Spatially-Informed Lung Texture Learning: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study. *IEEE Trans Med Imaging*. 2021;40(12):3652-3662.](https://pubmed.ncbi.nlm.nih.gov/34224349/)
20. [Yang J, Angelini ED, Balte PB, Hoffman EA, Manichaikul AW, Sun Y, Shen W, Austin JHM, Allen NB, Bleeker ER, Bowler R, Cho MH, Cooper CS, Couper D, Dransfield MT, Garcia CK, Han MK, Hansel NN, Hughes E, Jacobs DR, Kasela S, Kaufman JD, Kim JS, Lappalainen T, Lima J, Malinsky D, Martinenz FJ, Oelsner EC, Ortega VE, Paine R, Post W, Pottinger TD, Prince MR, Rich SS, Silverman EK, Smith BM, Swift AJ, Watson KE, Woodruff PG, Laine AF, Barr RG. Pulmonary emphysema subtypes defined by unsupervised machine learning on CT scans. *Thorax*. 2023;78(11):1067-1079.](https://pubmed.ncbi.nlm.nih.gov/37268414/)
21. [Yang S, Huang S, Daniels LB, Yeboah J, Lima JAC, Cannone V, Burnett JC Jr, Beckman JA, Carr JJ, Wang TJ, Gupta DK. NT-proBNP, race, and endothelial function in the Multi-Ethnic Study of Atherosclerosis. *Heart*. 2019;105(20):1590-1596.](https://www.ncbi.nlm.nih.gov/pubmed/31152069)
22. [Yano Y, O’Donnell CJ, Kuller L, Kavousi M, Erbel R, Ning H, D’Agostino R, Newman AB, Nasir K, Hofman A, Lehmann N, Dhana K, Blankstein R, Hoffmann U, Mohlenkamp S, Massaro JM, Mahabadi AA, Lima JAC, Ikram MA, Jockel KH, Franco OH, Liu K, Lloyd-Jones D, Greenland P. Association of Coronary Artery Calcium Score vs Age With Cardiovascular Risk in Older Adults: An Analysis of Pooled Population-Based Studies. *JAMA Cardiol*. 2017;2(9):986-994.](https://www.ncbi.nlm.nih.gov/pubmed/28746709)
23. [Yau JW, Rogers SL, Kawasaki R, Lamoureux EL, Kowalski JW, Bek T, Chen SJ, Dekker JM, Fletcher A, Grauslund J, Haffner S, Hamman RF, Ikram MK, Kayama T, Klein BE, Klein R, Kirshnaiah S, Mavurasakorn K, O’Hare JP, Orchard TJ, Porta M, Rema M, Roy MS, Sharma T, Shaw J, Taylor H, Tielsch JM, Varma R, Wang JJ, Wang N, West S, Xu L, Yasuda M, Zhang X, Mitchell P, Wong TY; Meta-Analysis for Eye Disease (MESA-EYE) Study Group. Global prevalence and major risk factors of diabetic retinopathy. *Diabetes Care*. 2012;35(3):556-564.](http://www.ncbi.nlm.nih.gov/pubmed/22301125)
24. [Yau JW, Xie J, Kawasaki R, Kramer H, Shlipak M, Klein R, Klein B, Cotch MF, Wong TY. Retinal Arteriolar Narrowing and Subsequent Development of CKD Stage 3: The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2011;58(1):39-46.](http://www.ncbi.nlm.nih.gov/pubmed/21549464)
25. [Yau JW, Xie J, Lamoureux E, Klein R, Klein BE, Cotch MF, Bertoni AG, Shea S, Wong TY. Retinal microvascular calibre and risk of incident diabetes: The multi-ethnic study of atherosclerosis. *Diabetes Res Clin Pract*. 2012;95(2):265-274.](http://www.ncbi.nlm.nih.gov/pubmed/22088792)
26. [Yeboah J, Bertoni AG, Herrington DM, Post WS, Burke GL. Impaired Fasting Glucose and the Risk of Incident Diabetes Mellitus and Cardiovascular Events in an Adult Population MESA (The Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2011;58(2):140-146.](http://www.ncbi.nlm.nih.gov/pubmed/21718910)
27. [Yeboah J, Bertoni AG, Qureshi W, Aggarwal S, Lima JA, Kawel-Boehm N, Bluemke DA, Shah SJ. Pedal Edema as an Indicator of Early Heart Failure in the Community: Prevalence and Associations With Cardiac Structure/Function and Natriuretic Peptides (MESA [Multi-Ethnic Study of Atherosclerosis]). *Circ Heart Fail*. 2016;9(12). pii: e003415.](https://www.ncbi.nlm.nih.gov/pubmed/27923806)
28. [Yeboah J, Blaha MJ, Michos ED, Qureshi W, Miedema M, Flueckiger P, Rodriguez CJ, Szklo M, Bertoni AG. Adult Height, Prevalent Coronary Calcium Score, and Incident Cardiovascular Outcomes in a Multi-Ethnic Cohort. *Am J Epidemiol.* 2017;186(8):935-943.](https://www.ncbi.nlm.nih.gov/pubmed/28535166)
29. [Yeboah J, Sillau S, Delaney JC, Blaha MJ, Michos ED, Young R, Qureshi WT, McClelland R, Burke GL, Psaty BM, Herrington DM. Implications of the new American College of Cardiology/American Heart Association cholesterol guidelines for primary atherosclerotic cardiovascular disease event prevention in a multi ethnic cohort: Multi-Ethnic Study of Atherosclerosis (MESA). *Am Heart J*. 2015;169(3):387-395.e3.](http://www.ncbi.nlm.nih.gov/pubmed/25728729)
30. [Yeboah J, Bluemke DA, Hundley WG, Rodriguez CJ, Lima JA, Herrington DM. Left Ventricular Dilation and Incident Congestive Heart Failure in Asymptomatic Adults Without Cardiovascular Disease: Multi-Ethnic Study of Atherosclerosis (MESA). *J Card Fail*. 2014;20(12):905-911.](http://www.ncbi.nlm.nih.gov/pubmed/25225112)
31. [Yeboah J, Carr JJ, Terry JG, Ding J, Zeb I, Liu S, Nasir K, Post W, Blumenthal RS, Budoff MJ. Computed tomography-derived cardiovascular risk markers, incident cardiovascular events, and all-cause mortality in nondiabetics: the Multi-Ethnic Study of Atherosclerosis. *Eur J Prev Cardiol*. 2014;21(10):1233-1241.](http://www.ncbi.nlm.nih.gov/pubmed/23689526http:/www.ncbi.nlm.nih.gov/pubmed/23689526)
32. [Yeboah J, Crouse JR, Bluemke DA, Lima JA, Polak JF, Burke GL, Herrington DM. Endothelial dysfunction is associated with left ventricular mass (assessed using MRI) in an adult population (MESA). *J Hum Hypertens*. 2011;25(1):25-31.](http://www.ncbi.nlm.nih.gov/pubmed/20237502)
33. [Yeboah J, Delaney JA, Nance R, McClelland RL, Polak JF, Sibley CT, Bertoni A, Burke GL, Carr JJ, Herrington DM. Mediation of cardiovascular risk factor effects through subclinical vascular disease: the multi-ethnic study of atherosclerosis. *Aterioscler Thromb Vasc Biol*. 2014;34(8):1778-1783.](http://www.ncbi.nlm.nih.gov/pubmed/24876350)
34. [Yeboah J, Erbel R, Delaney JC, Nance R, Guo M, Bertoni AG, Budoff M, Moebus S, Jockel KH, Burke GL, Wong ND, Lehmann N, Herrington DM, Mohlenkamp S, Greenland P. Development of a new diabetes risk prediction tool for incident coronary heart disease events: The Multi-Ethnic Study of Atherosclerosis and the Heinz Nixdorf Recall Study. *Atherosclerosis*. 2014 ;236(2):411-417.](http://www.ncbi.nlm.nih.gov/pubmed/25150939)
35. [Yeboah J, Folsom AR, Burke GL, Johnson C, Polak JF, Post W, Lima JA, Crouse JR, Herrington DM. Predictive Value of Brachial Flow-Mediated Dilation for Incident Cardiovascular Events in a Population-Based Study: The Multi-Ethnic Study of Atherosclerosis. *Circulation*. 2009;120(6):502-509.](http://www.ncbi.nlm.nih.gov/pubmed/19635967?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)
36. [Yeboah J, Gibson AO, Blaha MJ, Arnan MK, Sacco RL, Szklo M, Herrington DM. Coronary artery calcium and incident cerebrovascular events in an asymptomatic cohort: The MESA Study. *JACC Cardiovasc Imaging*. 2014;7(11):1108-1115.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Gibson+AO)
37. [Yeboah J, McClelland RL, Polonsky TS, Burke GL, Sibley CT, O’Leary D, Carr JJ, Goff DC, Greenland P, Herrington DM. Comparison of novel risk markers for improvement in cardiovascular risk assessment in intermediate-risk individuals. *JAMA*. 2012;308(8):788-795.](http://www.ncbi.nlm.nih.gov/pubmed/22910756)
38. [Yeboah J, McNamara C, Jiang XC, Tabas I, Herrington DM, Burke GL, Shea S. Association of Plasma Sphingomyelin Levels and Incident Coronary Heart Disease Events in an Adult Population: Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Basc Biol*. 2010;30(3):628-633.](http://www.ncbi.nlm.nih.gov/pubmed/20032291?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1)
39. [Yeboah J, Polonsky TS, Young R, McClelland RL, Delaney JC, Dawood F, Blaha MJ, Miedema MD, Sibley CT, Carr JJ, Burke GL, Goff DC, Psaty BM, Greenland P, Herrington DM. Utility of Nontraditional Risk Markers in Individuals Ineligible for Statin Therapy According to the 2013 American College of Cardiology/American Heart Association Cholesterol Guidelines. *Circulation*. 2015;132(10):916-922.](http://www.ncbi.nlm.nih.gov/pubmed/26224808)
40. [Yeboah J, Redline S, Johnson C, Tracy R, Ouyang P, Blumenthal RS, Burke GL, Herrington DM. Association between sleep apnea, snoring, incident cardiovascular events and all-cause mortality in an adult population: MESA. *Atherosclerosis*. 2011;219(2):963-968.](http://www.ncbi.nlm.nih.gov/pubmed/22078131)
41. [Yeboah J, Rodriguez CJ, Stacey B, Lima JA, Liu S, Carr JJ, Hundley WG, Herrington DM. Prognosis of Individuals with Asymptomatic Left Ventricular Systolic Dysfunction in the Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*. 2012;126(23):2713-2719.](http://www.ncbi.nlm.nih.gov/pubmed/23124035)

1. [Yeboah J, Young R, McClelland RL, Delaney JC, Polonsky TS Dawood FZ, Blaha MJ, Miedema MD, Sibley CT, Carr JJ, Burke GL, Goff DC Jr, Psaty BM, Greenland P, Herrington DM. Utility of Nontraditional Risk Markers in Atherosclerotic Cardiovascular Disease Risk Assessment. *J Am Coll Cardiol*. 2016;67(2):139-147.](http://www.ncbi.nlm.nih.gov/pubmed/26791059)
2. [Yi CJ, Wu CO, Tee M, Liu CY, Volpe GJ, Prince MR, Hundley GW, Gomes AS, van der Geest RJ, Heckbert S, Lima JA, Bluemke DA. The association between cardiovascular risk and cardiovascular magnetic resonance measures of fibrosis: the Multi-Ethnic Study of Atherosclerosis (MESA). *J Cardiovasc Magn Reson*. 2015;17(1):15.doi:10.1186/s12968-015-0121-5.](http://www.ncbi.nlm.nih.gov/pubmed/25827220)
3. [Ying W, Zhao D, Ouyang P, Subramanya V, Vaidya D, Ndumele CE, Guallar E, Sharma K, Shah SJ, Kass DA, Hoogeveen RC, Lima JA, Heckbert SR, deFilippi CR, Post WS, Michos ED. Associations Between the Cyclic Guanosine Monophosphate Pathway and Cardiovascular Risk Factors: MESA. *J Am Heart Assoc*. 2019;8(24):e013149. doi: 10.1161/JAHA.119.013149.](https://www.ncbi.nlm.nih.gov/pubmed/31838972)
4. [Ying W, Zhao D, Ouyang P, Subramanya V, Vaidya D, Ndumele CE, Sharma K, Shah SJ, Heckbert SR, Lima JA, deFilippi CR, Budoff MJ, Post WS, Michos ED. Sex Hormones and Change in N-Terminal Pro-B-Type Natriuretic Peptide Levels: The Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab*. 2018;103(11):4304-4314.](https://www.ncbi.nlm.nih.gov/pubmed/30137406)
5. [Yoneyama K, Donekal S, Venkatesh BA, Wu CO, Liu CY, Souto Nacif M, Armstrong A, Gomes AS, Hundley WG, McClelland RL, Bluemke DA, Lima JA. Natural History of Myocardial Function in an Adult Human Population: Serial Longitudinal Observations From MESA. *JACC Cardiovasc Imaging*. 2016;9(10):1164-1173.](https://www.ncbi.nlm.nih.gov/pubmed/27639760)
6. [Yoneyama K, Gjesdal O, Choi EY, Wu CO, Hundley WG, Gomes AS, Liu CY, McClelland RL, Bluemke DA, Lima JA. Age, sex, and hypertension-related remodeling influences left ventricular torsion assessed by tagged cardiac magnetic resonance in asymptomatic individuals: the multi-ethnic study of atherosclerosis. *Circulation*. 2012;126(21):2481-2490.](http://www.ncbi.nlm.nih.gov/pubmed/23147172)
7. [Yoneyama K, Venkatesh BA, Wu CO, Mewton N, Gjesdal O, Kishi S, McClelland RL, Bluemke DA, Lima JAC. Diabetes mellitus and insulin resistance associate with left ventricular shape and torsion by cardiovascular magnetic resonance imaging in asymptomatic individuals from the multi-ethnic study of atherosclerosis. *J Cardiovasc Magn Reson*. 2018;20(1):53. doi: 10.1186/s12968-018-0472-9.](https://www.ncbi.nlm.nih.gov/pubmed/30064457)
8. [Youssef G, Guo M, McClelland RL, Shavelle DM, Nasir K, Rivera J, Carr JJ, Wong ND, Budoff MJ. Risk Factors for the Development and Progression of Thoracic Aorta Calcification: The Multi-Ethnic Study of Atherosclerosis. *Acad Radiol*. 2015;22(12):1536-1545.](http://www.ncbi.nlm.nih.gov/pubmed/26403646)
9. [Yu Z, Fidler TP, Ruan Y, Vlasschaert C, Nakao T, Uddin MM, Mack T, Niroula A, Heimlich B, Zekavat SM, Gibson CJ, Griffin GK, Wang Y, Peloso GM, Heard-Costa N, Levy D, Vasan RS, Aguet F, Ardlie KG, Taylor KD, Rich SS, Rotter JI, Libby P, Jaiswal S, Ebert BL, Bick AG, Tall AR, Natarajan P. Genetic modification of inflammation- and clonal hematopoiesis-associated cardiovascular risk. *J Clin Invest*. 2023;133(18):e168597. doi: 10.1172/JCI168597.](https://pubmed.ncbi.nlm.nih.gov/37498674/)
10. [Yu Z, Schneck M, Jacobs DR Jr, Liu K, Allison M, O’Leary D, Duraza D, Darwin C, Kramer H. Association of carotid intima media thickness with progression of urine albumin-creatinine ratios in The Multi-Ethnic Study of Atherosclerosis (MESA). *Am J Kidney Dis*. 2011;57(1):62-70.](http://www.ncbi.nlm.nih.gov/pubmed/20974513)
11. [Yuan Y, Herrington D, Lima JAC, Stacey RB, Zhao D, Thomas J, Garcia M, Pu M. Assessment of Prevalence, Clinical Characteristics and Risk Factors Associated With “Low Flow State” Using Cardiac Magnetic Resonance. *Mayo Clin Proc Innov Qual Outcomes*. 2023;7(5):443-451.](https://pubmed.ncbi.nlm.nih.gov/37818141/)
12. [Zaheer S, de Boer I, Allison M, Brown JM, Psaty BM, Robinson-Cohen C, Ix JH, Kestenbaum B, Siscovick D, Vaidya A. Parathyroid Hormone and the Use of Diuretics and Calcium-Channel Blockers: The Multi-Ethnic Study of Atherosclerosis. *J Bone Miner Res*. 2016;31(6):1137-1145.](http://www.ncbi.nlm.nih.gov/pubmed/26748479)
13. [Zaheer S, de Boer IH, Allison M, Brown JM, Psaty BM, Robinson-Cohen C, Michos ED, Ix JH, Kestenbaum B, Siscovick D, Vaidya A. Fibroblast Growth Factor-23, Mineral Metabolism, and Adiposity in Normal Kidney Function. *J Clin Endocrinol Metab*. 2017;102(4):1387-1395.](https://www.ncbi.nlm.nih.gov/pubmed/28323987)

1. [Zamani P, Bluemke DA, Jacobs DR Jr, Duprez DA, Kronmal R, Lilly SM, Ferrari VA, Townsend RR, Lima JA, Budoff M, Segers P, Hannan P, Chirinos JA. Resistive and pulsatile arterial load as predictors of left ventricular mass and geometry: the multi-ethnic study of atherosclerosis. *Hypertension*. 2015;65(1):85-92.](http://www.ncbi.nlm.nih.gov/pubmed/25287396)
2. [Zamani P, Jacobs DR Jr, Segers P, Duprez DA, Brumback L, Kronmal RA, Lilly SM, Townsend RR, Budoff M, Lima JA, Hannan P, Chirinos JA. Reflection magnitude as a predictor of mortality: the Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2014;64(5):958-964.](http://www.ncbi.nlm.nih.gov/pubmed/25259746)
3. [Zamani P, Lilly SM, Segers P, Jacobs DR Jr, Bluemke DA, Duprez DA, Chirinos JA. Pulsatile Load Components, Resistive Load and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Card Fail*. 2016;22(12):988-995.](https://www.ncbi.nlm.nih.gov/pubmed/27109621)
4. [Zareian M, Ciuffo L, Habibi M, Opdahl A, Chamera EH, Wu CO, Bluemke DA, Lima JA, Venkatesh BA. Left atrial structure and functional quantitation using cardiovascular magnetic resonance and multimodality tissue tracking: validation and reproducibility assessment. *J Cardiovasc Magn Reson*. 2015;17:52. doi: 10.1186/s12968-015-0152-y.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Left+atrial+structure+and+functioning+quantitation+using+cardiovascular+magnetic+resonance)
5. [Zavodni AE, Wasserman BA, McClelland RL, Gomes AS, Folsom AR, Polak JF, Lima JA, Bluemke DA. Carotid Artery Plaque Morphology and Composition in Relation to Incident Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis (MESA). *Radiology*. 2014;271(2):381-389.](http://www.ncbi.nlm.nih.gov/pubmed/24592924)
6. [Zeb I, Jorgensen NW, Blumenthal RS, Burke GL, Lloyd-Jones D, Blaha MJ, Wong ND, Nasir K, Budoff MJ. Association of inflammatory markers and lipoprotein particle subclasses with progression of coronary artery calcium: The multi-ethnic study of atherosclerosis. *Atherosclerosis*. 2021;339:27-34.](https://pubmed.ncbi.nlm.nih.gov/34826751/)
7. [Zeb I, Katz R, Nasir K, Ding J, Rezaeian P, Budoff MJ. Relation of nonalcoholic fatty liver disease to the metabolic syndrome: The Multi-Ethnic Study of Atherosclerosis. *J Cardiovasc Comput Tomorgr*. 2013;7(5):311-318.](http://www.ncbi.nlm.nih.gov/pubmed/24268118)

1. [Zeb I, Li D, Budoff MJ, Katz R, Lloyd-Jones D, Agatston A, Blumenthal RS, Blaha MJ, Blankstein R, Carr J, Nasir K. Nonalcoholic Fatty Liver Disease and incident Cardiac Events: The Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2016;67(16):1965-1966.](http://www.ncbi.nlm.nih.gov/pubmed/27102512)
2. [Zeb I, Li D, Nasir K, Katz R, Larijani VN, Budoff MJ. Computed tomography scans in the evaluation of Fatty liver disease in a population based study: the multi-ethnic study of atherosclerosis. *Acad Radiol*. 2012;19(7):811-818.](http://www.ncbi.nlm.nih.gov/pubmed/22521729)
3. [Zeki Al Hazzouri A, Vittinghoff E, Hoang T, Golden SH, Fitzpatrick AL, Zhang A, Grasset L, Yaffe K. Body mass index in early adulthood and dementia in late life: Findings from a pooled cohort. *Alzheimers Dement*. 2021;17(11):1798-1807.](https://pubmed.ncbi.nlm.nih.gov/33984188/)
4. [Zeki Al Hazzouri A, Vittinghoff E, Zhang Y, Pletcher MJ, Moran AE, Bibbins-Domingo K, Golden SH, Yaffe K. Use of pooled cohort to impute cardiovascular disease risk factors across the adult life course. *Int J Epidemiol*. 2019;48(3):1004-1013.](https://www.ncbi.nlm.nih.gov/pubmed/30535320)
5. [Zemaitis P, Liu K, Jacobs DR Jr, Cushman M, Durazo-Arvizu R, Shoham D, Palmas W, Cooper R, Kramer H. Cumulative Systolic BP and Changes in Urine Albumin-to-Creatinine Ratios in Nondiabetic Participants of the Multi-Ethnic Study of Atherosclerosis. *Clin J Am Soc Nephrol*. 2014;9(11):1922-1929.](http://www.ncbi.nlm.nih.gov/pubmed/25200476)
6. [Zemrak F, Ahlman MA, Captur G, Mohiddin SA, Kawel-Boehm N, Prince MR, Moon JC, Hundley WG, Lima JA, Bluemke DA, Petersen SE. The Relationship of Left Ventricular Trabeculation to Ventricular Function and Structure Over a 9.5-Year Follow-Up: The MESA Study. *J Am Coll Cardiol*. 2014;64(19):1971-1980.](http://www.ncbi.nlm.nih.gov/pubmed/25440091)
7. [Zemrak F, Ambale-Venkatesh B, Captur G, Chrispin J, Chamera E, Habibi M, Nazarian S, Mohiddin SA, Moon JC, Petersen SE, Lima JA, Bluemke DA. Left Atrial Structure in Relationship to Age, Sex, Ethnicity, and Cardiovascular Risk Factors: MESA (Multi-Ethnic Study of Atherosclerosis). *Circ Cardiovasc Imaging*. 2017;10(2). pii: e005379. doi: 10.1161/CIRCIMAGING. 116.005379](https://www.ncbi.nlm.nih.gov/pubmed/28196797)
8. [Zhang K, Larson TV, Gassett A, Szpiro AA, Daviglus M, Burke GL, Kaufman JD, Adar SD. Characterizing Spatial Patterns of Airborne Coarse Particulate (PM10-2.5) Mass and Chemical Components in Three Cities: The Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect*. 2014;122(8):823-830.](http://www.ncbi.nlm.nih.gov/pubmed/24642481)
9. [Zhang MJ, Roetker NS, Folsom AR, Alonso A, Heckbert SR, Chen LY. Feasibility of using a leadless patch monitor in community cohort studies: The Multi-ethnic Study of Atherosclerosis. *Pacing Clin Electrophysiol*. 2018;41(11):1389-1390.](https://www.ncbi.nlm.nih.gov/pubmed/30225944)
10. [Zhang W, Speiser JL, Ye F, Tsai MY, Cainzos-Achirica M, Nasir K, Herrington DM, Shapiro MD. High-Sensitivity C-Reactive Protein Modifies the Cardiovascular Risk of Lipoprotein(a): Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2021;78(11):1083-1094.](https://pubmed.ncbi.nlm.nih.gov/34503676/)
11. [Zhang X, Ambale-Venkatesh B, Bluemke DA, Cowan BR, Finn JP, Kadish AH, Lee DC, Lima JA, Hundley WG, Suinesiaputra A, Young AA, Medrano-Gracia P. Information maximizing component analysis of left ventricular remodeling due to myocardial infarction. *J Transl Med*. 2015;13:343. doi: 10.1186/s12967-015-0709-4.](http://www.ncbi.nlm.nih.gov/pubmed/26531126)
12. [Zhang X, Angelini ED, Haghpanah FS, Laine AF, Sun Y, Hiura GT, Dashnaw SM, Prince MR, Hoffman EA, Ambale-Venkatesh B, Lima JA, Wild JM, Hughes EW, Barr RG, Shen W. Quantification of lung ventilation defects on hyperpolarized MRI: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD study. *Magn Reson Imaging*. 2022;92:140-149.](https://pubmed.ncbi.nlm.nih.gov/35777684/)
13. [Zhang X, Cowan BR, Bluemke DA, Finn JP, Fonseca CG, Kadish AH, Lee DC, Lima JA, Suinesiaputra A, Young AA, Medrano-Gracia P. Atlas-based quantification of cardiac remodeling due to myocardial infarction. *PLoS One*. 2014;9(10):e110243. doi: 10. 1371/journal pone.0110243. eCollection 2014.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Atlas-based+quantification+of+cardiac+remodeling)
14. [Zhang Y, Dron JS, Bellows BK, Khera AV, Liu J, Balte PV, Oelsner EC, Amr SS, Lebo MS, Nagy A, Peloso GM, Natarajan P, Rotter JI, Willer C, Boerwinkle E, Ballantyne CM, Lutsey PL, Fornage M, Lloyd-Jones DM, Hou L, Psaty BM, Bis JC, Floyd JS, Vasan RS, Heard-Costa NL, Carson AP, Hall ME, Rich SS, Guo X, Kazi DS, de Ferranti SC, Moran AE. Familial Hypercholesterolemia Variant and Cardiovascular Risk in Individuals With Elevated Cholesterol. *JAMA Cardiol*. 2024 Jan 31. [Epub ahead of print]](https://pubmed.ncbi.nlm.nih.gov/38294787/)
15. [Zhang Y, Guallar E, Malhotra S, Astor BC, Polak JF, Qiao Y, Gomes AS, Herrington DM, Sharrett AR, Bluemke DA, Wasserman BA. Carotid Artery Wall Thickness and Incident Cardiovascular Events: A Comparison between US and MRI in the Multi-Ethnic Study of Atherosclerosis (MESA). *Radiology*. 2018;289(3):649-657.](https://www.ncbi.nlm.nih.gov/pubmed/30299234)
16. [Zhang Y, Ouyang P, Post WS, Dalai D, Vaidya D, Blasco-Colmenares E, Soliman EZ, Tomaselli GF, Guallar E. Sex-Steroid Hormones and Electrocardiographic QT-Interval Duration: Findings From the Third National Health and Nutrition Examination Survey and the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2011;174(4):403-411.](http://www.ncbi.nlm.nih.gov/pubmed/21768401)
17. [Zhang Y, Pletcher MJ, Vittinghoff E, Clemons AM, Jacobs DR, Allen NB, Alonso A, Bellows BK, Oelsner EC, Zeki Al Hazzouri A, Kazi DS, de Ferranti SD, Moran AE. Association Between Cumulative Low-Density Lipoprotein Cholesterol Exposure During Young Adulthood and Middle Age and Risk of Cardiovascular Events. *JAMA Cardiol*. 2021;6(12):1406-1413.](https://pubmed.ncbi.nlm.nih.gov/34550307/)
18. [Zhang Y, Vittinghoff E, Pletcher MJ, Allen NB, Zeki Al Hazzouri A, Yaffe K, Balte PP, Alonso A, Newman AB, Ives DG, Rana JS, Lloyd-Jones D, Vasan RS, Bibbins-Domingo K, Gooding HC, de Ferranti SD, Oelsner EC, Moran AE. Associations of Blood Pressure and Cholesterol Levels During Young Adulthood With Later Cardiovascular Events. *J Am Coll Cardiol*. 2019;74(3):330-341.](https://www.ncbi.nlm.nih.gov/pubmed/31319915)
19. [Zhao D, Bartz TM, Sotoodehnia N, Post WS, Heckbert SR, Alonso A, Longchamps RJ, Castellani CA, Hong YS, Rotter JI, Lin HJ, O’Rourke B, Pankratz N, Lane J, Yang S, Guallar E, Arking DE. Mitochondrial DNA copy number and incident atrial fibrillation. *BMC Med*. 2020;18(1):246. doi: 10.1186/s12916-020-01715-6.](https://pubmed.ncbi.nlm.nih.gov/32933497/)
20. [Zhao D, Guallar E, Ouyang P, Subramanya V, Vaidya D, Ndumele CE, Lima JA, Allison MA, Shah SJ, Bertoni AG, Budoff MJ, Post WS, Michos ED. Endogenous Sex Hormones and Incident Cardiovascular Disease in Post-Menopausal Women. *J Am Coll Cardiol*. 2018;71(22):2555-2566.](https://www.ncbi.nlm.nih.gov/pubmed/29852978)
21. [Zhao D, Ouyang P, de Boer IH, Lutsey PL, Farag YM, Guallar E, Siscovick DS, Post WS, Kalyani RR, Billups K, Michos ED. Serum vitamin D and sex hormones levels in men and women: The Multi-Ethnic Study of Atherosclerosis (MESA). *Maturitas*. 2017;96:95-102.](https://www.ncbi.nlm.nih.gov/pubmed/28041602)
22. [Zhao W, Ware EB, He Z, Kardia SLR, Faul JD, Smith JA. Interaction between Social/Psychosocial Factors and Genetic Variants on Body Mass Index: A Gene-Environment Interaction Analysis in a Longitudinal Setting. *Int J Environ Res Public Health*. 2017;14(10). pii: E1153. doi: 10.3390/ijerph14101153.](https://www.ncbi.nlm.nih.gov/pubmed/28961216)
23. [Zhao Y, Evans MA, Allison MA, Bertoni AG, Budoff MJ, Criqui MH, Malik S, Ouyang P, Polak JF, Wong ND. Multisite atherosclerosis in subjects with metabolic syndrome and diabetes and relation to cardiovascular events: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2019;282:202-209.](https://www.ncbi.nlm.nih.gov/pubmed/30600075)
24. [Zhao Y, Malik S, Budoff MJ, Correa A, Ashley KE, Selvin E, Watson KE, Wong ND. Identification and Predictors for Cardiovascular Disease Risk Equivalents among Adults With Diabetes Mellitus. *Diabetes* *Care*. 2021: dc210431. doi: 10.2337/dc21-0431.](https://pubmed.ncbi.nlm.nih.gov/34380703/)
25. [Zhao Y, Malik S, Criqui MH, Allison MA, Budoff MJ, Sandfort V, Wong ND. Coronary calcium density in relation to coronary heart disease and cardiovascular disease in adults with diabetes or metabolic syndrome: the Multi-ethnic Study of Atherosclerosis (MESA). *BMC Cardiovasc Disord*. 2022;22(1):536. doi: 10.1186/s12872-022-02956-4.](https://pubmed.ncbi.nlm.nih.gov/36494811/)
26. [Zhao YY, Javaheri S, Wang R, Guo N, Koo BB, Stein JH, Korcarz CE, Redline S. Associations Between Sleep Apnea and Subclinical Carotid Atherosclerosis: The Multi-Ethnic Study of Atherosclerosis. *Stroke*. 2019;(12):3340-3346.](https://www.ncbi.nlm.nih.gov/pubmed/31610764)
27. [Zhao YY, Weng J, Mobley DR. Wang R, Kwon Y, Zee PC, Lutsey PL, Redline S. Effect of Manual Editing of Total Recording Time – Implications for Home Sleep Apnea Testing. *J Clin Sleep Med*. 2017;13(1):121-126.](https://www.ncbi.nlm.nih.gov/pubmed/27707441)
28. [Zhou X, Song Y, Zhang M, Zhao W, Liu Y, Kardia SLR, Diez Roux AV, Needham BL, Smith JA, Mukherjee B. Baysian shrinkage estimation of high dimensional causal mediation effects in omics studies. *Biometrics*. 2020;76(3):700-710.](https://pubmed.ncbi.nlm.nih.gov/31733066/)
29. [Zhou Z, Ong KL, Breslin M, Allison MA, Curtis AJ, Nelson MR. Association of Statin Use With Cardiovascular Outcomes by Coronary Calcium: MESA. *JACC Cardiovasc Imaging*. 2020;13(4):1094-1096.](https://pubmed.ncbi.nlm.nih.gov/31928940/)
30. [Zhou Z, Ong KL, Whelton SP, Allison MA, Curtis AJ, Blaha MJ, Breslin M, Tonkin A, Magnussen CG, Budoff M, Nelson MR. Impact of Blood Lipids on 10-Year Cardiovascular Risk in Individuals Without Dyslipidemia and With Low Risk Factor Burden. *Mayo Clin Proc*. 2022;97(10):1883-1893.](https://pubmed.ncbi.nlm.nih.gov/35760597/)
31. [Zhu J, Manichaikul A, Hu Y, Chen YI, Liang S, Steffen LM, Rich SS, Tsai M, Siscovick DS, Lemaitre RN, Li H, Lin X. Meta-analysis of genome-wide association studies identifies three novel loci for saturated fatty acids in East Asians. *Eur J Nutr*. 2017;56(4):1477-1484.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Meta-analysis+of+genome-wide+association+of+studies+identifies+three+novel+loci+for+saturated+fatty+acides+in+East+Asians)
32. [Zhu X, Liang J, Cade BE, He KY, Wang H, Lee J, Sofer T, Williams S, Li R, Chen H, Gottlieb D, Evans DS, Guo X, Gharib SA, Hale L, Hillman DR, Lutsey PL, Mukherjee S, Ochs-Balcom HM, Palmer LJ, Rhodes J, Purcell S, Patel SR, Saxena R, Stone KL, Tang W, Tranah GJ, Boerwinkle E, Lin X, Liu Y, Psaty BM, Vasan RS, Cho MH, Manichaikul A, Silverman EK, Barr RG, Rich SS, Rotter JI, Wilson JG, NHLBI Trans-Omics for Precision Medicine (TOPMed); TOPMed Sleep Working Group; Susan Redline. Sequencing Analysis at 8p23 Indentifies Multiple Rare Variants in DLC1 Associated with Sleep-Related Oxyhemoglobin Saturation Level. *AM J Hum Genet*. 2019;105(5):1057-1068.](https://pubmed.ncbi.nlm.nih.gov/31668705/)
33. [Zipursky RT, Press MC, Srikanthan P, Gornbein J, McClelland R, Watson K, Horwich TB. Relation of Stress Hormones (Urinary Catecholamines/Cortisol) to Coronary Artery Calcium in Men Versus Women (from the Multi-Ethnic Study of Atherosclerosis [MESA]). *Am J Cardiol*. 2017;119(12):1963-1971.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Zipursky+RT)
34. [Zu J, Hu Y, Tanaka T, Zhu J, Guan W, Wu JHY, Psaty BM, McKnight B, King IB, Sun Q, Richard M, Manichaikul A, Frazier-Wood AC, Kabagambe EK, Hopkins PN, Ordovas JM, Ferucci L, Bandinelli S, Arnett DK, Chen YI, Liang S, Siscovick DS, Tsai MY, Rich SS, Fornage M, Hu FB, Rimm EB, Jensen MK, Lemaitre RN, Mozaffarian D, Steffen LM, Morris AP, Li H, Lin X. Discovery and fine-mapping of loci associated with MUFAs through trans-ethnic meta-analysis in Chinese and European populations. *J Lipid Res*. 2017;58(5):974-981.](https://www.ncbi.nlm.nih.gov/pubmed/28298293)