## 8/29/2025

MESA Events thru Calendar Year 2021 (preliminary) dataset available upon request.

## 6/18/2025

MESA Cancer Events thru Calendar Year 2020 dataset posted.

## 5/23/2025

MESA Dementia Events thru Calendar Year 2020 dataset posted.

## 11/20/2024

## MESA Events thru Calendar Year 2020 Events dataset posted.

## MESA Events thru Calendar Year 2020 CHF Ejection Fraction Events dataset posted.

## MESA Events thru Calendar Year 2020 Subsequent Events dataset posted.

## MESA All-Cohort Events thru Calendar Year 2020 Events dataset posted.

## MESA All-Cohort Events thru Calendar Year 2020 CHF Ejection Fraction Events dataset posted.

MESA Non-CVD Events thru Calendar Year 2020 dataset posted.

## 11/12/2024

MESA Follow-Up Combined datasets updated. FU20 Supplement questionnaire dataset added.

## 12/01/2022

MESA Follow-Up Combined datasets updated. FU20 “language administered” variable added.

## 8/29/2022

## MESA Events thru Calendar Year 2019 Events dataset posted.

## MESA Events thru Calendar Year 2019 CHF Ejection Fraction Events dataset posted.

## MESA All-Cohort Events thru Calendar Year 2019 Events dataset posted.

## 8/1/2022

MESA Time to Diabetes dataset updated.

## 8/26/2021

MESA Dementia Events thru Calendar Year 2018 dataset updated. Variable [ICDdementia\_dhtt] “Days from MESA baseline until ever death/hosp ICD dementia” updated.

## 5/28/2021

## MESA Events thru Calendar Year 2018 Events dataset posted.

## MESA Events thru Calendar Year 2018 CHF Ejection Fraction Events dataset posted.

## MESA Events thru Calendar Year 2018 Subsequent Events dataset posted.

## MESA Events thru Calendar Year 2018 ICD Diagnosis, Procedure, Death dataset posted.

MESA Non-CVD Events thru Calendar Year 2018 dataset posted.

MESA Dementia Events thru Calendar Year 2018 dataset posted.

MESA VTE Events thru Calendar Year 2018 dataset posted.

## MESA All-Cohort Events thru Calendar Year 2018 Events dataset posted.

## 3/18/2021

## MESA Events thru Calendar Year 2017 ICD Diagnosis dataset updated. ICD code version indicator added.

## MESA Events thru Calendar Year 2017 ICD Procedure dataset posted. ICD code version indicator added.

## 1/27/2021

MESA Follow-Up Combined datasets updated. FU20 value labels updated.

## 8/24/2020

MESA Follow-Up Combined datasets updated. FU15 and FU21 supplemental datasets added.

## 11/12/2019

## MESA Events thru Calendar Year 2017 Events dataset posted.

## MESA Events thru Calendar Year 2017 CHF Ejection Fraction Events dataset posted.

## MESA Events thru Calendar Year 2017 Subsequent Events dataset posted.

## MESA Events thru Calendar Year 2017 ICD Diagnosis dataset posted.

## MESA Events thru Calendar Year 2017 ICD Procedure dataset posted.

## MESA Events thru Calendar Year 2017 ICD Death dataset posted.

MESA Non-CVD Events thru Calendar Year 2017 dataset posted.

MESA Dementia Events thru Calendar Year 2017 dataset posted.

MESA VTE Events thru Calendar Year 2017 dataset posted.

## 10/9/2019

MESA Venous Thromboembolism (VTE) Events thru Calendar Year 2015 dataset updated. Inclusion of ICD-10 codes for VTE/PE endpoints.

## 5/17/2019

MESA All-Cohort Events thru Calendar Year 2016 dataset posted.

## 4/22/2019

MESA Events thru Calendar Year 2016 dataset posted. Original file creation date 2/15/2019.

## 4/22/2019

MESA Events thru Calendar Year 2016 CHF Ejection Fraction (EF) dataset posted.

## 4/22/2019

MESA Events thru Calendar Year 2015 dataset updated. Update to time to event variables.

## 4/22/2019

MESA Events thru Calendar Year 2015 CHF Ejection Fraction (EF) dataset updated.

## 4/17/2019

## MESA AF Events thru Calendar Year 2015 dataset posted. Original file creation date 12/20/2018.

## 7/16/2018

MESA Dementia Events thru Calendar Year 2015 dataset posted.

## 6/11/2018

MESA Venous Thromboembolism (VTE) Events thru Calendar Year 2015 dataset updated. “Pulmonary embolism” variable [peev] added.

## 6/6/2018

MESA Venous Thromboembolism (VTE) Events thru Calendar Year 2015 dataset posted.

## 1/3/2018

MESA Non-CVD Events thru Calendar Year 2015 dataset posted.

## 12/11/2017

MESA Events thru Calendar Year 2015 dataset updated. Participants with zero follow-up time have most event data set variables set to missing. Exceptions are permitted where a participant has zero follow-up time but have an adjudicated event. The adjudicated endpoint and time to endpoint are still reported, but the remaining MESA endpoint variables previously set to zero are now set to missing.

## 12/7/2017

MESA Events thru Calendar Year 2015 dataset updated. Time to death updated for participants that were submitted for National Death Index (NDI) searches and were not identified as deceased.

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2015 dataset updated. Time to death updated for participants that were submitted for National Death Index (NDI) searches and were not identified as deceased.

MESA Events thru Calendar Year 2015 Subsequent Events dataset updated. Time to death updated for participants that were submitted for National Death Index (NDI) searches and were not identified as deceased.

## 10/26/2017

MESA Events thru Calendar Year 2015 dataset posted.

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2015 dataset posted.

## 10/5/2017

MESA AF-CMS Events thru Calendar Year 2014 dataset updated. Data unchanged; dataset and documentation file updated to indicate data is augmented with CMS claims data name. Documentation now reports CMS cell size suppression policy and MESA publication references.

## 9/25/2017

MESA AF Events thru Calendar Year 2014 dataset updated. Data unchanged; documentation file updated to correct dataset file name.

## 4/20/2017

MESA Events thru Calendar Year 2014 All-Cohort dataset posted.

## 3/31/2017

MESA Time to Diabetes dataset updated.

## 3/15/2017

MESA Follow-Up 15 Personal Status dataset updated.

## 3/14/2017

MESA Atrial Fibrillation Events thru Calendar Year 2012 dataset (Non-CMS) removed.

## 3/10/2017

MESA Follow-Up 15 Personal Status dataset posted.

## 2/24/2017

MESA Follow-Up 14 dataset posted.

MESA Follow-Up 15 dataset posted.

## 2/24/2017

MESA Events thru Calendar Year 2014 Non-CVD Events dataset posted.

## 2/17/2017

MESA Events thru Calendar Year 2014 Subsequent Events dataset posted.

MESA Events thru Calendar Year 2014 ICD Diagnosis dataset posted.

MESA Events thru Calendar Year 2014 ICD Procedure dataset posted.

MESA Events thru Calendar Year 2014 ICD Death dataset posted.

## 12/14/2016

MESA AF Events thru Calendar Year 2014 dataset posted.

## 12/9/2016

MESA Events thru Calendar Year 2014 dataset posted.

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2014 dataset posted.

## 6/3/2016

MESA Events Time to Diabetes dataset updated.

* Variable format changed from integer to decimal for variables [dmagetp] and [dmittp].
* Dataset updated to include Follow-Up 13

## 4/4/2016

MESA-CMS CHF Events thru Calendar Year 2012 dataset posted.

## 3/8/2016

MESA Events thru Calendar Year 2013 dataset updated.

* For participant 7010133, variable [strktt] corrected 3920 (previous value 3951 was incorrect).

## 3/8/2016

MESA All-Cohort Events thru Calendar Year 2013 dataset updated.

* For participant 7010133, variable [strktt] corrected 3920 (previous value 3951 was incorrect).

## 2/19/2016

## MESA Chan PAD Events dataset updated.

## 2/17/2016

MESA-CMS Atrial Fibrillation Events thru Calendar Year 2011 dataset updated. Dataset recomputed using most current coding from 2012 events dataset.

## 2/2/2016

MESA-CMS Atrial Fibrillation Events thru Calendar Year 2012 dataset updated. Variables [af2012tt] and [afns2012tt] recomputed.

## 1/6/2016

MESA-CMS Atrial Fibrillation Events thru Calendar Year 2012 dataset updated. Variable sets [af2012] and [afns2012] recomputed to account for participants not enrolled in CMS yet have an AF diagnosis via MESA ICD code.

## 12/2/2015

MESA-CMS Atrial Fibrillation Events thru Calendar Year 2012 dataset posted.

## 6/30/2015

MESA Events thru Calendar Year 2013 Classic dataset posted.

MESA Events thru Calendar Year 2013 CHF Ejection Fraction dataset posted.

MESA Events thru Calendar Year 2013 All-Cohort dataset posted.

MESA Events thru Calendar Year 2013 Subsequent Events dataset posted.

MESA Events thru Calendar Year 2013 Non-CVD dataset posted.

MESA Events thru Calendar Year 2013 ICD Diagnosis dataset posted.

MESA Events thru Calendar Year 2013 ICD Procedure dataset posted.

MESA Events thru Calendar Year 2013 ICD Death dataset posted.

MESA Follow-Up 13 dataset posted.

## 2/27/2015

MESA Atrial Fibrillation Events thru Calendar Year 2011 dataset (Non-CMS) posted.

## 1/12/2015

MESA-CMS Atrial Fibrillation Events thru Calendar Year 2011 dataset updated.

* Number of variables reduced to limit confusion
* Definition of [af2011] refined, hierarchy applied to DX origin
* New set of [afns2011] variables added to identify AF events that are non-heart surgery related

## 11/21/2014

MESA Events thru Calendar Year 2012 dataset update.

* Main Events dataset unchanged.
* CHF Ejection Fraction (EF) thru Calendar Year 2012 dataset value labels for [chfdiag] corrected

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2012 dataset updated.

* Values updated value labels for [chfdiag] corrected

## 10/22/2014

MESA Events thru Calendar Year 2012 dataset updated.

* Participants 5015901 and 5016444 are not deceased; death and follow-up time values updated

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2012 dataset updated.

* Participants 5015901 and 5016444 follow-up time values updated
* Event inclusion criteria updated from FU to Calendar Year

MESA Events thru Calendar Year 2012 All-Cohort dataset updated.

* Participants 5015901 and 5016444 are not deceased; death and follow-up time values updated

MESA Events thru Calendar Year 2012 ICD Diagnosis dataset updated.

* Participants 5015901 and 5016444 follow-up time values updated

MESA Events thru Calendar Year 2012 ICD Procedure dataset updated.

* Participants 5015901 and 5016444 follow-up time values updated

MESA Events thru Calendar Year 2012 ICD Death dataset updated.

* Participants 5015901 and 5016444 follow-up time values updated

MESA Events thru Calendar Year 2012 Non-CVD dataset updated.

* Participants 5015901 and 5016444 follow-up time values updated

## 10/6/2014

MESA Events thru Calendar Year 2012 All-Cohort dataset updated.

* Correction to Follow-Up time values.

MESA Events thru Calendar Year 2012 ICD Diagnosis dataset updated.

* Correction to Follow-Up time values.

MESA Events thru Calendar Year 2012 ICD Procedure dataset updated.

* Correction to Follow-Up time values.

MESA Events thru Calendar Year 2012 ICD Death dataset updated.

* Correction to Follow-Up time values.

MESA Events thru Calendar Year 2012 Non-CVD dataset updated.

* Correction to Follow-Up time values.

## 9/25/2014

MESA Events thru Calendar Year 2012 dataset updated.

* Correction to Follow-Up time values.

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2012 dataset updated.

* Correction to Follow-Up time values.

## 9/22/2014

MESA Events thru Calendar Year 2012 All-Cohort dataset posted.

MESA Events thru Calendar Year 2012 Non-CVD dataset posted.

MESA Events thru Calendar Year 2012 ICD Diagnosis dataset posted.

MESA Events thru Calendar Year 2012 ICD Procedure dataset posted.

MESA Events thru Calendar Year 2012 ICD Death dataset posted.

## 9/16/2014

MESA Events thru Calendar Year 2012 dataset posted.

MESA Events CHF Ejection Fraction (EF) thru Calendar Year 2012 dataset posted.

## 6/24/2014

MESA Events All Cohort thru Calendar Year 2011 dataset posted.

* Includes MESA Classic, Air, Air New Recruits, and Family participants.

MESA Events thru Calendar Year 2011 dataset updated.

* Correction to four ppts coded as “Death: Stroke” but have no Stroke Event. Mortality reviews pending stroke reviewers.

MESA Events CHF Ejection Fraction thru Calendar Year 2011 dataset updated.

* Correction to four ppts coded as “Death: Stroke” but have no Stroke Event, resulting in change of Follow-Up time

MESA Non-CVD Events thru Calendar Year 2011 dataset updated.

* Correction to four ppts coded as “Death: Stroke” but have no Stroke Event, resulting in change of Follow-Up time

MESA thru Calendar Year 2011 ICD Diagnosis dataset updated.

* Correction to four ppts coded as “Death: Stroke” but have no Stroke Event, resulting in change of Follow-Up time

MESA thru Calendar Year 2011 ICD Procedure dataset updated.

* Correction to four ppts coded as “Death: Stroke” but have no Stroke Event, resulting in change of Follow-Up time

MESA thru Calendar Year 2011 ICD Death dataset updated.

* Correction to four ppts coded as “Death: Stroke” but have no Stroke Event, resulting in change of Follow-Up time

## 6/2/2014

MESA through calendar year 2011 Atrial Fibrillation Events w/ CMS AF claims dataset posted.

## 4/7/2014

MESA on-CVD Events thru Calendar Year 2011 dataset updated.

## 3/18/2014

MESA Events thru Calendar Year 2011 dataset updated.

* Correction to ppt 7012080 death status and follow-up time

MESA Non-CVD Events thru Calendar Year 2011 dataset updated.

* Correction to ppt 7012080 follow-up time

MESA thru Calendar Year 2011 ICD Diagnosis dataset updated.

* Correction to ppt 7012080 follow-up time

MESA thru Calendar Year 2011 ICD Procedure dataset updated.

* Correction to ppt 7012080 follow-up time

MESA thru Calendar Year 2011 ICD Death dataset updated.

* Correction to ppt 7012080 follow-up time

## 3/7/2014

MESA Events thru Calendar Year 2011 dataset updated.

* Addition of “Pending adjudication” deaths

MESA Non-CVD Events thru Calendar Year 2011 dataset updated.

MESA thru Calendar Year 2011 ICD Diagnosis dataset updated.

MESA thru Calendar Year 2011 ICD Procedure dataset updated.

MESA thru Calendar Year 2011 ICD Death dataset updated.

## 2/27/2014

MESA Events thru Calendar Year 2011 dataset update. Data unchanged; documentation updated.

## 2/7/2014

MESA Events thru Calendar Year 2011 dataset updated (SPSS formats added; no data changes).

MESA Time to Diabetes Diagnosis posted.

## 1/9/2014

MESA thru Calendar Year 2011 ICD Diagnosis dataset posted.

MESA thru Calendar Year 2011 ICD Procedure dataset posted.

MESA thru Calendar Year 2011 ICD Death dataset posted.

## 1/7/2014

MESA Events thru Calendar Year 2011 dataset update. Data unchanged; file name correction only (MESAEvThru2011\_1**2**1216 corrected to MESAEvThru2011\_1**3**1216)

## 1/6/2014

MESA Non-CVD Events thru Calendar Year 2011 dataset posted.

## 12/19/2013

MESA Events thru Calendar Year 2011 dataset posted.

## 11/19/2013

MESA Follow-Up 8 General Health dataset updated.

MESA Follow-Up 9 General Health dataset updated.

MESA Follow-Up 10 General Health dataset updated.

MESA Follow-Up 11 General Health dataset posted.

MESA Follow-Up 12 General Health dataset posted.

## 6/18/2013

MESA Chan PAD Events dataset updated.

## 5/30/2013

MESA CMS-Enhanced MI Events dataset posted.

## 5/23/2013

MESA Follow-Up 8 General Health dataset updated.

MESA Follow-Up 9 General Health dataset updated.

MESA Follow-Up 10 General Health dataset updated.

MESA Follow-Up 11 General Health dataset posted.

MESA Follow-Up 12 General Health dataset posted.

## 4/16/2013

MESA Events Operation of Vessels of the Heart dataset and documentation updated.

## 12/16/2012

MESA Pre-Follow-Up 10 Atrial Fibrillation Events w/ CMS Pre-2010 AF claims dataset posted.

## 11/13/2012

MESA Pre-Follow-Up 10 Lost to Follow-Up dataset posted.

MESA Pre-Follow-Up 10 CHF Ejection Fraction Events dataset posted.

MESA Pre-Follow-Up 10 ICD Diagnosis dataset posted.

MESA Pre-Follow-Up 10 ICD Procedure dataset posted.

MESA Pre-Follow-Up 10 ICD Death dataset posted.

MESA Follow-Up 10 General Health dataset posted.

## 10/12/2012

MESA Events dataset posted for Follow Up 10.

## 8/24/2012

MESA Pre-Follow-Up 9 Atrial Fibrillation Events dataset updated; Time-to-AF Event (via ICD9 Diagnosis) corrected. If no AF event, variables [afibtt] and [afibttsr] set to [fuptt] value.

## 7/25/2012

MESA Pre-Follow-Up 10 ICD Death dataset updated; data limited to ppts that are deceased as of FU9

## 7/24/2012

MESA Pre-Follow-Up 9 ICD Diagnosis dataset updated; additional cases added (where ICD event date on or before death date)

MESA Pre-Follow-Up 9 ICD Procedure dataset updated; additional cases added (where ICD event date on or before death date)

MESA Pre-Follow-Up 9 ICD Death dataset updated; additional cases added (where ICD event date on or before death date)

## 4/6/2012

Update to MESA Events (FU9) documentation. No update to actual dataset.

## 2/14/2012

Removal of obsolete AF dataset [MESAAFibEvents\_04202010SAS].

## 12/12/11

MESA Events (FU 9) dataset updated. Value for ppt 7015550 variable cvdatt corrected to 1924.

## 8/17/2011

MESA Pre-Follow-Up 9 Atrial Fibrillation Events dataset posted.

MESA Pre-Follow-Up 9 CHF Ejection Fraction Events dataset posted.

MESA Pre-Follow-Up 9 Non-CVD Events dataset posted.

MESA Pre-Follow-Up 9 ICD Diagnosis dataset posted.

MESA Pre-Follow-Up 9 ICD Procedure dataset posted.

MESA Pre-Follow-Up 9 ICD Death dataset posted.

MESA Follow-Up 9 General Health dataset posted.

## 8/11/11

MESA Events dataset posted for Follow Up 9.

## 12/10/10

Dataset updated for diagnosis, procedure and death ICD codes, to include eventtt [time to event].

## 10/26/10

Dataset posted for diagnosis, procedure and death ICD codes, through October 2010.

## 8/23/10

Dataset posted for Followup 8.

## 7/14/10

Datasets posted for Atrial Fibrillation, EF and Non-CVD Events datasets, (through followup 8).

## 6/29/10

Events Dataset posted (through followup 8).

## 4/27/10

## Special PAD dataset posted for Cheeling Chan.

## 3/24/10

## Atrial Fibrillation Events data file updated: Stata format file added. No data were changed with this update.

## 3/15/10

## Atrial Fibrillation Events and Operation on Vessels of Heart datasets updated to refine event selection and limit redundant diagnosis.

## 2/?/10

Operation on Vessels of Heart dataset posted.

## 2/8/10

Dataset posted for Followup 7.

## 12/14/09

Atrial Fibrillation Events data set posted (through follow-up 7).

## 10/30/09

Non-CVD Events data set posted (through follow-up 7). (Note that this is a first draft; the dataset may be updated).

## 8/31/09

Events data set posted (through follow-up 7).

Ejection Fraction data set posted (through follow-up 7).

## 12/10/08

Dataset posted for Followup 6.

## 10/23/08

Events dataset (pre-followup 6) corrected for one error in a date value. This resulted in our estimate of the average follow-up time dropping from 5.3 years to 4.6 years.

## 10/22/08

Datasets posted for Events and Ejection Fraction (pre-followup 6).

## 07/22/08

Dataset posted for Followup 5.

## 06/26/08

**All Data Sets**:

File formats combined – separate SAS and SPSS download files no longer created. SAS Transport files are no longer provided; Stata format files are now included.

No data was changed with this format change.

## 02/19/08

Commercial Use Events data set posted (through follow-up 5).

## 12/28/07

12/20/2007 Events data set posted (through follow-up 5).

12/20/2007 Ejection Fraction data set posted (through follow-up 5).

## 6/18/07

10/27/05 Ejection Fraction data set posted.

Data set posted for Followup 4.

## 6/12/07

10/27/05 Events data set posted.

## 2/13/07

Data sets posted for Followup 1, Followup 2, and Followup 3..

## 10/18/06

Composite endpoints (CHD Hard, CHD All, CVD Hard, CVD All) added. Some variable labels updated.

## 08/30/06

1/6/05 Events data set posted.