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| **Family History of Diabetes** | |
| **Protocol Id** | 140201 |
| **Version #** | 1 |
| **Description of Protocol** | The Family History portion of the Multi-Ethnic Study of Atherosclerosis (MESA) is an interviewer-administered questionnaire that captures whether a participant’s parent, spouse, sibling or child has ever had Stroke, Heart Disease, Hypertension or Diabetes as well as the age of diagnosis. |
| **Specific Instructions** | None |
| **Protocol Text** | Please answer these questions on the medical history of your relatives to the best of your ability. For each specific disease or condition, you are asked if the person has had it, and, if they have, the age at which it occurred. This page asks for information on your spouse, mother and father. If response to "blood relation" is "Yes" or "Don’t Know", continue and obtain history. If "No", skip to the next relation. Always bubble in appropriate response.  Enter Y for YES, N for NO, D for DON’T KNOW. If YES to specific disease or condition, enter approximate AGE at first diagnosis, first occurrence.   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Relation | Blood Relation | Sex | Age at last birthday or age at death | Heart attack or M.I. | Cardiac Procedures (coronary bypass surgery, balloon angioplasty) | Stroke, cerebral hemorrhage, or brain attack | Hypertension or high blood pressure | Diabetes or high blood sugar | | Spouse |  | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Mother | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Father | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Sibling | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Sibling | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  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Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Sibling | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Sibling |  | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child○ Sibling○ | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- 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○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | | Child○ Sibling○ | Y○ N○ D○ | M○ F○ | |  |  |  | | --- | --- | --- | |  |  |  | | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | Y N D ○ ○ ○ | | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |  |  | | --- | --- | |  |  |   Age | |
| **Selection Rationale** | The Family History portion of the Multi-Ethnic Study of Atherosclerosis (MESA) protocol was vetted against similar protocols and chosen because it is a well validated instrument that has been used in a large study and is low burden to the investigator and respondent. |
| **Source** | US Department of Health and Human Services. National Institutes of Health. National Heart, Lung and Blood Institute. Multi-Ethnic Study of Arthrosclerosis (MESA) Exam 2. 2003. Family History. |
| **Language** | English |
| **Participant** | Although this protocol was originally developed for participants between 45-84 years old, the Diabetes Working Group notes that it can be administered to adults of all ages or to children by an adult proxy. |
| **Personnel and Training Required** | The interviewer must be trained to conduct personal interviews with individuals from the general population. The interviewer must be trained and found to be competent (i.e., tested by an expert) at the completion of personal interviews. The interviewer should be trained to prompt respondents further if a "don’t know" response is provided. |
| **Equipment Needs** | These questions can be administered in a computerized or non-computerized format (i.e. pencil and paper instrument). Computer software is necessary to develop computer-assisted instruments. The interviewer will require a laptop computer/handheld computer to administer a computer-assisted questionnaire. |
| **Standards** | |  |  |  |  | | --- | --- | --- | --- | | **Standard** | **Name** | **ID** | **Source** | | Common Data Elements (CDE) | Person Diabetes Mellitus Family Medical History Assessment Description Text | 3067589 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=3067589&version=1.0) | | Logical Observation Identifiers Names and Codes (LOINC) | Fam hx diabetes proto | 62791-9 | [LOINC](http://s.details.loinc.org/LOINC/62791-9.html?sections=Web) | |
| **General References** | The validity of self-reported parental diabetes has been assessed for white participants in the Framingham Heart Study: Murabito JM, Nam BH, D’Agostino RB Sr, Lloyd-Jones DM, O’Donnell CJ, Wilson PW. (2004) Accuracy of offspring reports of parental cardiovascular disease history: the Framingham Offspring Study. *Ann Intern Med.* Mar 16;140(6):434-40. |
| **Protocol Type** | Interviewer-administered questionnaire |
| **Derived Variables** | None |
| **Requirements** | |  |  | | --- | --- | | **Requirement Category** | **Required** | | Average time of greater than 15 minutes in an unaffected individual  Average time of greater than 15 minutes in an unaffected individual | No | | Major equipment  This measure requires a specialized measurement device that may not be readily available in every setting where genome wide association studies are being conducted. Examples of specialized equipment are DEXA, Echocardiography, and Spirometry | No | | Specialized requirements for biospecimen collection  This protocol requires that blood, urine, etc. be collected from the study participants. | No | | Specialized training  This measure requires staff training in the protocol methodology and/or in the conduct of the data analysis. | No | |