

**C1F11 - NOTES AND COMPUTED VARIABLES**  
**(Family History Questionnaire)**

The data related to mother and father on Form 11 must be analyzed by the status variables C11MOMLV (Is your natural mother living?) and C11DADLV (Is your natural father living?). For example, only one variable exists for mother's age (C11MAGE) and one variable for father's age (C11FAGE). It means 'age at death' when the status variable is 'no'; it means 'age now' when the status variable is 'yes', and it means 'assumed age' when the status variable is 'don't know'.

Likewise, "What was the cause of your mother's (father's) death?" is only answered when the status variable is 'no'. Zeros and missings will be found for this question when the status variable is either 'yes' or 'don't know'.

REAL-TIME EDITS PERFORMED ON VARIABLES IN FILE C1F11

IF (C11MOMLV < 1 AND C11MOMLV > 2) AND C11MOMLV NE 8;  
IF C11MAGE < 35 AND C11MAGE > 70;  
IF C11MDTH < 3 AND C11MDTH > 8;  
IF (C11MDIAB < 1 AND C11MDIAB > 2) AND C11MDIAB NE 8;  
IF (C11MHBP < 1 AND C11MHBP > 2) AND C11MHBP NE 8;  
IF (C11MSTRK < 1 AND C11MSTRK > 2) AND C11MSTRK NE 8;  
IF (C11MATCK < 1 AND C11MATCK > 2) AND C11MATCK NE 8;  
IF C11MHAGE < 20 AND C11MHAGE > 70;  
IF (C11DADLV < 1 AND C11DADLV > 2) AND C11DADLV NE 8;  
IF C11FAGE < 35 AND C11FAGE > 70;  
IF C11FDTH < 3 AND C11FDTH > 8;  
IF (C11FDIAB < 1 AND C11FDIAB > 2) AND C11FDIAB NE 8;  
IF (C11FHBP < 1 AND C11FHBP > 2) AND C11FHBP NE 8;  
IF (C11FSTRK < 1 AND C11FSTRK > 2) AND C11FSTRK NE 8;  
IF (C11FATCK < 1 AND C11FATCK > 2) AND C11FATCK NE 8;  
IF C11FHAGE < 20 AND C11FHAGE > 70;  
IF C11NOBRO > 10 AND C11NOBRO NE 88;  
IF C11NOSIS > 10 AND C11NOSIS NE 88;  
IF C11BDIAB > 10 AND C11BDIAB NE 88;  
IF C11SDIAB > 10 AND C11SDIAB NE 88;  
IF C11BHBP > 10 AND C11BHBP NE 88;  
IF C11SHBP > 10 AND C11SHBP NE 88;  
IF C11BSTRK > 10 AND C11BSTRK NE 88;  
IF C11SSTRK > 10 AND C11SSTRK NE 88;

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*****
* THIS CODE CREATES THE SAS DATA SET C1F11.
* VERSION 3.1 OF THE CARDIA SAS FILES
* JUNE 1991
*****;

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OPTIONS PS=59;
LIBNAME F 'F:\VER_CO\VER1';

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DATA TEMP;
  INFILE 'H:\FORM11.SEQ' LRECL=82;
  MISSING M;

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  INPUT CENTER 1 ID 1-12

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          C11MOMLV 44 C11MAGE 45-46
@ 47 (C11MDTH C11MDIAB C11MHBP C11MSTRK C11MATCK)
      ( 1.0 ) C11MHAGE 52-53
          C11DADLV 54 C11FAGE 55-56
@ 57 (C11FDTH C11FDIAB C11FHBP C11FSTRK C11FATCK)
      ( 1.0 ) C11FHAGE 62-63
@ 64 ( C11NOBRO C11NOSIS C11BDIAB C11SDIAB C11BHBP C11SHBP
      C11BSTRK C11SSTRK )
      ( 2.0 )
      C11IVID 80-82;

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LENGTH C11MOMLV C11MAGE C11MDTH C11MDIAB C11MHBP C11MSTRK
        C11MATCK C11MHAGE C11DADLV C11FAGE C11FDTH C11FDIAB C11FHBP
        C11FSTRK C11FATCK C11NOBRO C11NOSIS C11BDIAB C11SDIAB
        C11BHBP C11SHBP C11BSTRK C11SSTRK C11IVID 3;

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IF C11MAGE =8 THEN C11MAGE =.;
IF C11FAGE =8 THEN C11FAGE =.;
IF C11MHAGE=8 THEN C11MHAGE =.;
IF C11FHAGE=8 THEN C11FHAGE =.;

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LABEL C11MOMLV   ='IS PT''S MOTHER ALIVE'
      C11MDTH    ='CAUSE OF PT''S MOTHER''S DEATH'
      C11MAGE    ='MOTHER''S AGE REGARDLESS OF VITALS'
      C11MDIAB   ='DOES PT''S MOTHER HAVE DIABETES?'
      C11MHBP    ='DOES PT''S MOTHER HIGH BLOOD PR.?'
      C11MSTRK   ='HAS PT''S MOTHER EVER HAD A STROKE?'
      C11MATCK   ='HAS PT''S MOTHER EVER HAD HEART ATTACK?'
      C11MHAGE   ='MOTHER''S AGE WHEN HEART ATTACK OCCURRED'
      C11DADLV   ='IS PT''S FATHER ALIVE'
      C11FDTH    ='CAUSE OF PT''S FATHER''S DEATH'
      C11FAGE    ='FATHER''S AGE REGARDLESS OF VITALS'
      C11FDIAB   ='DOES PT''S FATHER HAVE DIABETES?'
      C11FHBP    ='DOES PT''S FATHER HIGH BLOOD PR.?'
      C11FSTRK   ='HAS PT''S FATHER EVER HAD A STROKE?'
      C11FATCK   ='HAS PT''S FATHER EVER HAD HEART ATTACK?'
      C11FHAGE   ='FATHER''S AGE WHEN HEART ATTACK OCCURRED'
      C11NOBRO   ='# OF PT''S FULL BROTHERS'
      C11NOSIS   ='# OF PT''S FULL SISTERS'
      C11BDIAB   ='# OF PT''S BROTHERS WITH DIABETES'
      C11SDIAB   ='# OF PT''S SISTERS WITH DIABETES'
      C11BHBP    ='# OF PT''S BROTHERS WITH HYPERTENSION'
      C11SHBP    ='# OF PT''S SISTERS WITH HYPERTENSION'
      C11BSTRK   ='# OF PT''S BROTHERS THAT HAD A STROKE'

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C11SSTRK = '# OF PT'S SISTERS THAT HAD A STROKE'  
C11IVID = 'INTERVIEWER ID, FORM 11';

DATA F.C1F11;  
MERGE TEMP F.EX3ID(IN=INREF KEEP=ID);  
BY ID;  
IF INREF;

OPTIONS PS=59 NODATE NONUMBER;

PROC CONTENTS;  
TITLE1 'CONTENTS OF EXAM 3 V.1 FILE';  
TITLE3 'FORM 11 - FAMILY HISTORY';

CONTENTS OF EXAM 3 VERSION 1  
FORM 11 - FAMILY HISTORY

CONTENTS PROCEDURE

Data Set Name: G.C1F11	Type:
Observations: 4352	Record Len: 100
Variables: 27	
Label:	

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
21	C11BDIAB	Num	3	79	# OF PT'S BROTHERS WITH DIABETES
23	C11BHBP	Num	3	85	# OF PT'S BROTHERS WITH HYPERTENSION
25	C11BSTRK	Num	3	91	# OF PT'S BROTHERS THAT HAD A STROKE
11	C11DADLV	Num	3	44	IS PT'S FATHER ALIVE
12	C11FAGE	Num	3	47	FATHER'S AGE REGARDLESS OF VITALS
17	C11FATCK	Num	3	62	HAS PT'S FATHER EVER HAD HEART ATTACK?
14	C11FDIAB	Num	3	53	DOES PT'S FATHER HAVE DIABETES?
13	C11FDTH	Num	3	50	CAUSE OF PT'S FATHER'S DEATH
18	C11FHAGE	Num	8	65	FATHER'S AGE WHEN HEART ATTACK OCCURRED
15	C11FHBP	Num	3	56	DOES PT'S FATHER HIGH BLOOD PR.?
16	C11FSTRK	Num	3	59	HAS PT'S FATHER EVER HAD A STROKE?
27	C11IVID	Num	3	97	INTERVIEWER ID, FORM 11
4	C11MAGE	Num	3	23	MOTHER'S AGE REGARDLESS OF VITALS
9	C11MATCK	Num	3	38	HAS PT'S MOTHER EVER HAD HEART ATTACK?
6	C11MDIAB	Num	3	29	DOES PT'S MOTHER HAVE DIABETES?
5	C11MDTH	Num	3	26	CAUSE OF PT'S MOTHER'S DEATH
10	C11MHAGE	Num	3	41	MOTHER'S AGE WHEN HEART ATTACK OCCURRED
7	C11MHBP	Num	3	32	DOES PT'S MOTHER HIGH BLOOD PR.?
3	C11MOMLV	Num	3	20	IS PT'S MOTHER ALIVE
8	C11MSTRK	Num	3	35	HAS PT'S MOTHER EVER HAD A STROKE?
19	C11NOBRO	Num	3	73	# OF PT'S FULL BROTHERS
20	C11NOSIS	Num	3	76	# OF PT'S FULL SISTERS
22	C11SDIAB	Num	3	82	# OF PT'S SISTERS WITH DIABETES
24	C11SHBP	Num	3	88	# OF PT'S SISTERS WITH HYPERTENSION
26	C11SSTRK	Num	3	94	# OF PT'S SISTERS THAT HAD A STROKE
1	CENTER	Num	8	4	
2	ID	Num	8	12	

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/* FORM11.DD      "C" struct tag is f11                                */
/* Data Dictionary for FAMILY HISTORY FORM for CARDIA EXAM THREE      */
/*                                                                 */
FLD NAME TYPE BYTES  FIELDS  DESCRIPTION                                */
/*-----BEGIN HEADER -----*/
id          c  12  /*   1 subject id number                                */
cllexmdt   c   6  /*  13 Exam date, Viking subroutine DATECK is used    */
           /*           to check for valid range                  */
cllnum     c   2  /*  19 form number                                    */
cllver     c   1  /*  21 form version, "3" for Exam 3                  */
clldtent   c   5  /*  22 last date of entry for this record, updated each */
           /*           time the record is updated. stored in YYMMDD format */
clldeid    c   3  /*  27 data entry person's id number; updated each time */
           /*           the record is updated                    */
cllmod     c   1  /*  30 indicates record has been modified            */
clltment   c   4  /*  31 amount of time taken for data entry for this record */
           /*           computed by system on the initial entry of the */
           /*           record. stored in MMSS format            */
clltotky   c   3  /*  35 total number of keystrokes for initial entry of */
           /*           the record                                */
cllvalky   c   3  /*  38 number of valid keystrokes for initial entry of */
           /*           the record                                */
filler     c   3  /*  41 left for future requirements                  */
           /*           bytes total in header                    */
/*-----END HEADER -----*/

cllmomlv   c   1  /*  44 Q.1 Is subject's mother alive, allowable code:1,2 */
           /*           or 8, where 1-no 2-yes 8-don't know        */
cllimage   c   2  /*  45 Mother's age                                  */
           /*           Viking IRANGE is used, numeric only, range: 35, 65 */
cllmdth    c   1  /*  47 Cause of subject's mother's death, allowable code : */
           /*           3 accident                                  */
           /*           4 cancer                                    */
           /*           5 heart attack                              */
           /*           6 stroke                                    */
           /*           7 other                                      */
           /*           8 don't know                                */

/* The allowable code for the following 8 fields is either 1, 2, or 8 where */
/* 1 - NO, 2 - YES, and 8 - DON'T KNOW.                                     */

cllmdiab   c   1  /*  48 Did subject's mother have diabetes              */
cllmhbp    c   1  /*  49 Did subject's mother high blood pressure        */
cllmstrk   c   1  /*  50 Did subject's mother have a stroke              */
cllmatchk  c   1  /*  51 Did subject's mother have heart attack          */
cllmhage   c   2  /*  52 Mother's age when heart attack occurred         */
           /*           Viking IRANGE is used, numeric only, range: 20, 70 */
clldadlv   c   1  /*  54 Q.2 Is subject's father alive; codes 1, 2 & 8  */
cllfage    c   2  /*  55 Father's age                                    */
           /*           Viking IRANGE is used, numeric only, range: 35, 65 */
cllfdth    c   1  /*  57 Cause of subject's father's death, allowable code : */
           /*           3 accident                                  */
           /*           4 cancer                                    */
           /*           5 heart attack                              */
           /*           6 stroke                                    */
           /*           7 other                                      */
           /*           8 don't know                                */
/*

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*/
/* The allowable code for the following 7 fields is either 1, 2, or 8 where */
/* 1 - NO, 2 - YES, and 8 - DON'T KNOW. */

c11fdiab c 1 /* 58 Did subject's father have diabetes */
c11fhbp c 1 /* 59 Did subject's father high blood pr. */
c11fstrk c 1 /* 60 Did subject's father have a stroke */
c11fatck c 1 /* 61 Did subject's father have heart attack */
c11fhage c 2 /* 62 Father's age when heart attack occurred */
/* Viking IRANGE is used, numeric only, range: 20, 70 */

/* The following 10 fields range checks are done by Viking subroutine IRANGE. */
/* Range for the following 10 fields is 0 - 10. */

c11nobro c 2 /* 64 Q.3 Number of subject's full brothers */
c11nosis c 2 /* 66 Number of subject's full sisters */
c11bdiab c 2 /* 68 Q.4a Number of subject's brothers that have diabetes*/
c11sdiab c 2 /* 70 Number of subject's sisters that have diabetes */
c11bhbp c 2 /* 72 Q.4b Number of subject's brothers that have high */
/* blood pressure */
c11shbp c 2 /* 74 Number of subject's sisters that have high */
/* blood pressure */
c11bstrk c 2 /* 76 Q.4c Number of subject's brothers that have had a */
/* a stroke */
c11sstrk c 2 /* 78 Number of subject's sisters that have had a */
/* a stroke */
c11ivid c 3 /* 80 Interviewer ID number, Viking subroutine, TABLES */
/* used, need VTBL0001.TBL */

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keys
1: id

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/* Total number of bytes : 82, Total number of fields : 36 */

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