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                                IMP4.DOC

                 TO VIEW OR PRINT THIS TEXT DOCUMENT:
             IMPORT IT INTO A WORD PROCESSOR, SET YOUR MARGINS
             TO ZERO, AND USE A FIXED-WIDTH FONT (e.g. COURIER)

                YOU MAY ALSO VIEW OR PRINT THIS DOCUMENT USING THE
               ADOBE ACROBAT READER, VERSION 4 OR LATER. THE ACROBAT-
                   READABLE VERSION OF THIS FILE IS CALLED

                                IMP4.PDF

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```
                    NHANES III Multiply Imputed Data Set
                  File Index for Imputed Data File IMP4.DAT

    ------------------------------------------------------------------------
                                               Variable
    Description                                Name        Positions
    ------------------------------------------------------------------------


    GENERAL INFORMATION

    Sequence number ............................  SEQN              1-5

    HOUSEHOLD FAMILY QUESTIONNAIRE ITEMS

    Poverty income ratio .......................  DMPPIRMI         6-11
    Anyone living here smoke cigs in home .......  HFF1MI            12

    HOUSEHOLD ADULT QUESTIONNAIRE ITEMS

    Self-rating of health status ................  HAB1MI          13-14
    How tall are you without shoes-inchs ........  HAM5MI          15-16
    How much do you weigh in pounds .............  HAM6MI          17-19
    Beer/wine/liquor (recode) ...................  HAN6SRMI        20-21
    Condition of SPS natural teeth ..............  HAQ1MI          22-23
    Smoke cigarettes now (recode) ...............  HAR3RMI         24-25
    Compare own activity level to others ........  HAT28MI         26-27
    K1 for first BP measurement (home) .........  HAZAK1MI        28-30
    K5 for first BP measurement (home) .........  HAZAK5MI        31-33
    K1 for second BP measurement (home) ........  HAZBK1MI        34-36
    K5 for second BP measurement (home) ........  HAZBK5MI        37-39
    K1 for third BP measurement (home) .........  HAZCK1MI        40-42
    K5 for third BP measurement (home) .........  HAZCK5MI        43-45

    HOUSEHOLD YOUTH QUESTIONNAIRE ITEMS

    How is health of SP in general .............  HYD1MI          46-47
    Condition of natural teeth .................  HYF2MI          48-49

    BONE DENSITOMETRY

    Bone minrl density femur neck-gm/cm sq ......  BDPFNDMI        50-54
    BMD of intertrochanter region-gm/cm sq ......  BDPINDMI        55-59
    K value for scan ...........................  BDPKMI          60-64
    Bone area of total region - cm sq ..........  BDPTOAMI        65-69
    Bone minrl density total region-gm/cm sq ....  BDPTODMI        70-74
    BMD of trochanter region - gm/cm sq ........  BDPTRDMI        75-79
    BMD of Ward's triangle region-gm/cm sq ......  BDPWTDMI        80-84
```

```
                   NHANES III Multiply Imputed Data Set
                   File Index for Imputed Data File IMP4.DAT

------------------------------------------------------------------------
                                        Variable
Description                             Name       Positions
------------------------------------------------------------------------


BODY MEASUREMENTS

Buttocks circumference (cm) ................  BMPBUTMI        85-89
Head circumference (cm) ....................  BMPHEAMI        90-93
Standing height (cm) .......................  BMPHTMI         94-98
Knee height (cm) ...........................  BMPKNEMI        99-102
Recumbent length (cm) ......................  BMPRECMI       103-107
Sitting height (cm) ........................  BMPSTHMI       108-112
First subscapular skinfold (mm) ............  BMPSB1MI       113-116
Second subscapular skinfold (mm) ...........  BMPSB2MI       117-120
First suprailiac skinfold (mm) .............  BMPSP1MI       121-124
Second suprailiac skinfold (mm) ............  BMPSP2MI       125-128
First triceps skinfold (mm) ................  BMPTR1MI       129-132
Second triceps skinfold (mm) ...............  BMPTR2MI       133-136
Waist circumference (cm) ...................  BMPWSTMI       137-141
Weight (kg) ................................  BMPWTMI        142-147


BLOOD AND URINE ASSAY ITEMS

Serum iron (ug/dl) .........................  FEPMI          148-150
Ferritin (ng/ml) ...........................  FRPMI          151-154
Serum HDL cholesterol (mg/dL) ..............  HDPMI          155-157
Hemoglobin (g/dl) ..........................  HGPMI          158-162
Hematocrit (%) .............................  HTPMI          163-167
Mean cell hemoglobin: SI ...................  MCPSIMI        168-172
Mean cell hemoglobin conc (g/dl) ...........  MHPMI          173-177
Mean cell volume: SI (fl) ..................  MVPSIMI        178-183
Lead (ug/dl) ...............................  PBPMI          184-189
Length of calculated fast (in hours) .......  PHPFSTMI       190-194
Serum transferrin saturation (%) ...........  PXPMI          195-199
Red blood cell count (x 10**6) .............  RCPMI          200-203
Red cell distribution width (%) ............  RWPMI          204-208
Selenium (ng/ml) ...........................  SEPMI          209-211
Serum cholesterol (mg/dL) ..................  TCPMI          212-214
Serum triglycerides (mg/dL) ................  TGPMI          215-218
Serum TIBC (ug/dl) .........................  TIPMI          219-221


FUNDUS PHOTOGRAPHY

Summary drusen score .......................  FPPSUDMI       222-223
Summary age-related maculopathy score ......  FPPSUMMI       224-225
Summary diabetic retinopathy score .........  FPPSURMI       226-227
```

| | Variable | |
| Description | Name | Positions |

REPLICATE BLOOD PRESSURE (3x) FROM MEC EXAMINATION

K1, systolic, for 1st BP (mmHg)	PEP6G1MI	228-230
K4, diastolic, for 1st BP(mmHg)	PEP6G2MI	231-233
K5, diastolic, for 1st BP (mmHg)	PEP6G3MI	234-236
K1, systolic, for 2nd BP (mmHg)	PEP6H1MI	237-239
K4, diastolic, for 2nd BP(mmHg)	PEP6H2MI	240-242
K5, diastolic, for 2nd BP (mmHg)	PEP6H3MI	243-245
K1, systolic, for 3rd BP (mmHg)	PEP6I1MI	246-248
K4, diastolic, for 3rd BP(mmHg)	PEP6I2MI	249-251
K5, diastolic, for 3rd BP (mmHg)	PEP6I3MI	252-254

NHANES III Multiply Imputed Data File

```
        ----------------------------------------------------------------------
        FILENAME=IMP4                    VERSION 1.0                   N=33994
        ----------------------------------------------------------------------
                                GENERAL INFORMATION
        ----------------------------------------------------------------------
        Positions               Item description
        SAS name      Counts        and code                            Notes
        ----------------------------------------------------------------------

              1-5               Sample person identification number
           SEQN
                      33994     00003-53623
```

```
                    NHANES III Multiply Imputed Data File

-------------------------------------------------------------------------
FILENAME=IMP4                 VERSION 1.0                       N=33994
-------------------------------------------------------------------------
                    HOUSEHOLD FAMILY QUESTIONNAIRE ITEMS
-------------------------------------------------------------------------
Positions              Item description
SAS name     Counts       and code                             Notes
-------------------------------------------------------------------------


     6-11                  Poverty Income Ratio               See note
  DMPPIRMI
            33994      00.000-11.889


    12-12                  Does anyone who lives here smoke   See note
  HFF1MI                   cigarettes in the home?
            12495      1      Yes
            21499      2      No
```

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                     NHANES III Multiply Imputed Data File

--------------------------------------------------------------------------
FILENAME=IMP4                    VERSION 1.0                    N=33994
--------------------------------------------------------------------------
                 HOUSEHOLD ADULT QUESTIONNAIRE ITEMS
--------------------------------------------------------------------------
Positions            Item description
SAS name     Counts     and code                              Notes
--------------------------------------------------------------------------


    13-14                Would you say your health in          See note
  HAB1MI                 general is excellent, very good,
                         good, fair or poor?
             13944    -9     Not applicable
              3071    01     Excellent
              4745    02     Very good
              7193    03     Good
              3998    04     Fair
              1043    05     Poor

    15-16                How tall are you without shoes? (inches) See note
  HAM5MI
             13944    -9     Not applicable
             20050    41-91

    17-19                How much do you weigh without         See note
  HAM6MI                 clothes or shoes? (pounds)
             13944    -09    Not applicable
             20050    057-450

    20-21                Beer, wine, and liquor per month (recode)See note
  HAN6SRMI
             13944    -9     Not applicable
             11228    01     0 times in past month
              5531    02     1-10 times in past month
              3291    03     11 or more times in past month

    22-23                How would you describe the            See note
  HAQ1MI                 condition of your natural teeth:
                         poor?
             13944    -9     Not applicable
              1448    01     Excellent
              2435    02     Very good
              5669    03     Good
              4893    04     Fair
              2867    05     Poor
              2738    06     Has no natural teeth

    24-25                Do you smoke cigarettes now? (recode)  See note
  HAR3RMI
             13944    -9     Not applicable
              4992    01     Yes
             15058    02     No
```

```
                      NHANES III Multiply Imputed Data File

------------------------------------------------------------------------
FILENAME=IMP4              VERSION 1.0                      N=33994
------------------------------------------------------------------------
                  HOUSEHOLD ADULT QUESTIONNAIRE ITEMS
------------------------------------------------------------------------
Positions          Item description
SAS name    Counts    and code                              Notes
------------------------------------------------------------------------


    26-27              Compared with most                See note
  HAT28MI              (men/women) your age, would you say
                       that you are more active, less
                       active, or about the same?
            13944      -9      Not applicable
             6275      01      More active
             4524      02      Less active
             9251      03      About the same

    28-30              First Korotkoff sound (K1) for 1st home  See note
  HAZAK1MI             measurement (systolic, mm Hg)
            13944      -09     Not applicable
            20050      072-260

    31-33              Fifth Korotkoff sound (K5) for 1st home  See note
  HAZAK5MI             measurement (systolic, mm Hg)
            13944      -09     Not applicable
            20050      000-148

    34-36              First Korotkoff sound (K1) for 2nd home  See note
  HAZBK1MI             measurement (systolic, mm Hg)
            13944      -09     Not applicable
            20050      074-264

    37-39              Fifth Korotkoff sound (K5) for 2nd home  See note
  HAZBK5MI             measurement (systolic, mm Hg)
            13944      -09     Not applicable
            20050      000-154

    40-42              First Korotkoff sound (K1) for 3rd home  See note
  HAZCK1MI             measurement (systolic, mm Hg)
            13944      -09     Not applicable
            20050      074-258

    43-45              Fifth Korotkoff sound (K5) for 3rd home  See note
  HAZCK5MI             measurement (systolic, mm Hg)
            13944      -09     Not applicable
            20050      000-156
```

```
                     NHANES III Multiply Imputed Data File

------------------------------------------------------------------------
FILENAME=IMP4                    VERSION 1.0                    N=33994
------------------------------------------------------------------------
               HOUSEHOLD YOUTH QUESTIONNAIRE ITEMS
------------------------------------------------------------------------
Positions              Item description
SAS name     Counts       and code                             Notes
------------------------------------------------------------------------


     46-47             Would you say --'s health in general    See note
  HYD1MI               is excellent, very good, good, fair,
                       or poor?
             20050     -9    Not applicable
              5430     01    Excellent
              3674     02    Very good
              3750     03    Good
              1000     04    Fair
                90     05    Poor


     48-49             How would you describe the condition of See note
  HYF2MI               --'s natural teeth:  excellent, very
                       good, good, fair, or poor?
             23496     -9    Not applicable
              2772     01    Excellent
              2215     02    Very good
              3291     03    Good
              1598     04    Fair
               620     05    Poor
                 2     06    Has no natural teeth
```

```
                    NHANES III Multiply Imputed Data File

-------------------------------------------------------------------------
FILENAME=IMP4                   VERSION 1.0                    N=33994
-------------------------------------------------------------------------
                          BONE DENSITOMETRY
-------------------------------------------------------------------------
Positions          Item description
SAS name    Counts    and code                                  Notes
-------------------------------------------------------------------------


    50-54              Bone mineral density of femur neck    See note
  BDPFNDMI             region (gm/cm squared)
             15169     -0009   Not applicable
             18825     0.231-1.841


    55-59              Bone mineral density of intertrochanter  See note
  BDPINDMI             region (gm/cm squared)
             15169     -0009   Not applicable
             18825     0.331-2.408


    60-64              K value for scan                      See note
  BDPKMI
             15169     -0009   Not applicable
             18825     1.174-1.295


    65-69              Bone area of total region (cm squared)  See note
  BDPTOAMI
             15169     -0009   Not applicable
             18825     15.61-60.86


    70-74              Bone mineral density of total region  See note
  BDPTODMI             (gm/cm squared)
             15169     -0009   Not applicable
             18825     0.157-1.983


    75-79              Bone mineral density of trochanter    See note
  BDPTRDMI             region (gm/cm squared)
             15169     -0009   Not applicable
             18825     0.084-1.542


    80-84              Bone mineral density of Ward's triangle  See note
  BDPWTDMI             region (gm/cm squared)
             15169     -0009   Not applicable
             18825     0.047-1.812
```

```
                    NHANES III Multiply Imputed Data File

  ------------------------------------------------------------------------
  FILENAME=IMP4                   VERSION 1.0                      N=33994
  ------------------------------------------------------------------------
                           BODY MEASUREMENTS
  ------------------------------------------------------------------------
  Positions           Item description
  SAS name    Counts      and code                                  Notes
  ------------------------------------------------------------------------


       85-89            Buttocks circumference (cm)              See note
   BMPBUTMI             (2 years and over)
                 3446   -0009   Not applicable
                30548   027.8-186.2


       90-93            Head circumference (cm)                  See note
   BMPHEAMI             (2 months-7 years)
                24586   -009    Not applicable
                 9408   34.4-58.1


       94-98            Standing height (cm)                     See note
   BMPHTMI              (2 years and over)
                 3446   -0009   Not applicable
                30548   073.6-206.5


       99-102           Knee height (cm)                         See note
   BMPKNEMI             (60 years and over)
                27398   -009    Not applicable
                 6596   32.0-63.3


      103-107           Recumbent length (cm)                    See note
   BMPRECMI             (2 months-3 years)
                28012   -0009   Not applicable
                 5982   039.1-119.5


      108-112           Sitting height (cm)                      See note
   BMPSTHMI             (2 years and over)
                 3446   -0009   Not applicable
                30548   036.9-110.2


      113-116           First subscapular skinfold (mm)          See note
   BMPSB1MI             (2 months and over)
                33994   02.8-47.4


      117-120           Second subscapular skinfold (mm)         See note
   BMPSB2MI             (2 months and over)
                33994   02.8-50.4


      121-124           First suprailiac skinfold (mm)           See note
   BMPSP1MI             (2 years and over)
                 3446   -009    Not applicable
                30548   02.0-50.4


      125-128           Second suprailiac skinfold (mm)          See note
   BMPSP2MI             (2 years and over)
```

```
 3446    -009    Not applicable
30548    02.0-50.0
```

```
                  NHANES III Multiply Imputed Data File

------------------------------------------------------------------------
FILENAME=IMP4               VERSION 1.0                    N=33994
------------------------------------------------------------------------
                         BODY MEASUREMENTS
------------------------------------------------------------------------
Positions            Item description
SAS name    Counts      and code                            Notes
------------------------------------------------------------------------

   129-132              First triceps skinfold (mm)       See note
 BMPTR1MI               (2 months and over)
            33994       01.2-49.8


   133-136              Second triceps skinfold (mm)      See note
 BMPTR2MI               (2 months and over)
            33994       02.8-49.0


   137-141              Waist circumference (cm)          See note
 BMPWSTMI               (2 years and over)
             3446       -0009   Not applicable
            30548       034.5-179.7


   142-147              Weight (kg)                       See note
 BMPWTMI
            33994       002.80-241.80
```

```
                    NHANES III Multiply Imputed Data File

-------------------------------------------------------------------------
FILENAME=IMP4                  VERSION 1.0                   N=33994
-------------------------------------------------------------------------
                      BLOOD AND URINE ASSAY ITEMS
-------------------------------------------------------------------------
Positions          Item description
SAS name    Counts    and code                                  Notes
-------------------------------------------------------------------------

   148-150              Serum iron (ug/dL)                    See note
  FEPMI
              2107    -09     Not applicable
             31887    000-338

   151-154              Serum ferritin (ng/mL)               See note
  FRPMI
              2107    -009    Not applicable
             31887    0002-3059

   155-157              Serum HDL cholesterol (mg/dL)        See note
  HDPMI
              5982    -09     Not applicable
             28012    007-196

   158-162              Hemoglobin (g/dL)                    See note
  HGPMI
              2107    -0009   Not applicable
             31887    04.95-19.60

   163-167              Hematocrit (%)                       See note
  HTPMI
              2107    -0009   Not applicable
             31887    16.60-57.60

   168-172              Mean cell hemoglobin: SI (pg)        See note
  MCPSIMI
              2107    -0009   Not applicable
             31887    13.60-53.60

   173-177              Mean cell hemoglobin concentration   See note
  MHPMI                 (g/dL)
              2107    -0009   Not applicable
             31887    24.66-52.35

   178-183              Mean cell volume: SI (fL)            See note
  MVPSIMI
              2107    -00009  Not applicable
             31887    051.20-122.80

   184-189              Lead (ug/dL)                         See note
  PBPMI
              2107    -00009  Not applicable
             31887    000.19-071.80
```

```
190-194              Computed number of hours since last      See note
PHPFSTMI             ate or drank
        2107         -0009   Not applicable
       31887         00.00-39.13
```

```
   195-199            Serum transferrin saturation (%)        See note
PXPMI
            2107    -0009   Not applicable
            31887   000.0-098.5

   200-203            Red blood cell count                    See note
RCPMI
            2107    -009    Not applicable
            31887   1.69-6.84

   204-208            Red blood cell count                    See note
RWPMI
            2107    -0009   Not applicable
            31887   07.80-31.95

   209-211            Serum selenium (ng/mL)                  See note
SEPMI
            11728   -09     Not applicable
            22266   039-622

   212-214            Serum cholesterol (mg/dL)               See note
TCPMI
            5982    -09     Not applicable
            28012   059-702

   215-218            Serum triglycerides (mg/dL)             See note
TGPMI
            5982    -009    Not applicable
            28012   0013-3616

   219-221            Serum TIBC (ug/dL)                      See note
TIPMI
            2107    -09     Not applicable
            31887   069-866
```

```
                    NHANES III Multiply Imputed Data File

        ----------------------------------------------------------------------
        FILENAME=IMP4              VERSION 1.0                      N=33994
        ----------------------------------------------------------------------
                              FUNDUS PHOTOGRAPHY
        ----------------------------------------------------------------------
        Positions          Item description
        SAS name    Counts     and code                             Notes
        ----------------------------------------------------------------------


           222-223              Summary drusen score                See note
          FPPSUDMI
                    22546    -9      Not applicable
                     2456    00      None
                     2025    01      Questionable
                     6967    02      Present

           224-225              Summary age-related maculopathy score   See note
          FPPSUMMI
                    22546    -9      Not applicable
                     9761    00      None
                     1625    01      Early
                       62    02      Late

           226-227              Summary diabetic retinopathy score   See note
          FPPSURMI
                    22546    -9      Not applicable
                    10549    00      None
                      778    01      Mild
                       95    02      Moderate
                       26    03      Proliferative
```

```
                      NHANES III Multiply Imputed Data File

  ------------------------------------------------------------------------
  FILENAME=IMP4                  VERSION 1.0                      N=33994
  ------------------------------------------------------------------------
            REPLICATE BLOOD PRESSURE (3x) FROM MEC EXAMINATION
  ------------------------------------------------------------------------
  Positions            Item description
  SAS name     Counts     and code                                 Notes
  ------------------------------------------------------------------------


     228-230             First Korotkoff sound (K1), systolic, forSee note
   PEP6G1MI              first blood pressure (BP) measurement


                 7151    -09    Not applicable
                26843    052-258


     231-233             Fourth Korotkoff sound (K4), diastolic,  See note
   PEP6G2MI              for first BP measurement (mm Hg)


                25976    -09    Not applicable
                 8018    002-104


     234-236             Fifth Korotkoff sound (K5), diastolic,   See note
   PEP6G3MI              for first BP measurement (mm Hg)


                 7151    -09    Not applicable
                26843    000-136


     237-239             First Korotkoff sound (K1), systolic, forSee note
   PEP6H1MI              second blood pressure (BP) measurement


                 7151    -09    Not applicable
                26843    054-266


     240-242             Fourth Korotkoff sound (K4), diastolic,  See note
   PEP6H2MI              for second BP measurement (mm Hg)


                25976    -09    Not applicable
                 8018    002-102


     243-245             Fifth Korotkoff sound (K5), diastolic,   See note
   PEP6H3MI              for second BP measurement (mm Hg)


                 7151    -09    Not applicable
                26843    000-138


     246-248             First Korotkoff sound (K1), systolic, forSee note
   PEP6I1MI              third blood pressure (BP) measurement


                 7151    -09    Not applicable
                26843    052-264


     249-251             Fourth Korotkoff sound (K4), diastolic,  See note
   PEP6I2MI              for third BP measurement (mm Hg)
```

```
25976    -09     Not applicable
 8018    002-106
```

NHANES III Multiply Imputed Data File

```
-----------------------------------------------------------------------
FILENAME=IMP4                  VERSION 1.0                      N=33994
-----------------------------------------------------------------------
           REPLICATE BLOOD PRESSURE (3x) FROM MEC EXAMINATION
-----------------------------------------------------------------------
Positions            Item description
SAS name    Counts      and code                                  Notes
-----------------------------------------------------------------------

    252-254          Fifth Korotkoff sound (K5), diastolic,   See note
   PEP6I3MI          for third BP measurement (mm Hg)


          7151       -09     Not applicable
         26843       000-140
```

MULTIPLY IMPUTED DATA FILE: NOTES

DMPPIRMI: Poverty income ratio (or poverty
             index) Multiply Imputed Version

     The poverty income ratio (PIR) was computed as a ratio of two
     components. The numerator was the midpoint of the observed family
     income category in the Family Questionnaire variable:HFF19R.   The
     denominator was the poverty threshold, the age of the family reference
     person, and the calender year in which the family was interviewed.

     Poverty threshold values (in dollars) are produced annually by the
     Census Bureau (Series P-60).   These threshold values are based on
     calendar years and adjusted for changes caused by inflation between
     calendar years.   Reports for each of the calendar years in the survey
     (1988-94) were used in the calculation of PIR.   For the years 1991 and
     1994, data from preliminary reports were used.   The poverty income ratio
     allows income data to be analyzed in a comparable manner across the six
     years of the survey and with previous NHANES.

     Persons who reported having had no income and were assigned a zero value
     for PIR.   A substantial proportion of persons refused to report their
     income or income category during the Family Questionnaire, resulting
     in a missing value for PIR.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable DMPPIRIF in the data file CORE.DAT.

HFF1MI: Anyone living here smoke cigs in home
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HFF1IF in the data file CORE.DAT.

HAB1MI: Self-rating of health status
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HAB1IF in the data file CORE.DAT.

HAM5MI: Reported height without shoes (inches)
           Multiply Imputed Version

     This variable was standardized to inches using the conversion factors
     0.3937 inches per centimeter, and 12 inches per foot.

Missing values in this variable have been imputed using model-based
methods described in the documentation on the NHANES III Multiply
Imputed Data Set CD-ROM. Imputed values may be identified by the
imputation flag variable HAM5IF in the data file CORE.DAT.

HAM6MI: Reported weight without clothes (lbs)
            Multiply Imputed Version

     This variable was standardized to weight in pounds using the
     conversion factor 2.2046 pounds per kilogram.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HAM6IF in the data file CORE.DAT.

HAN6SRMI: Beer, wine, and liquor per month (recode)
            Multiply Imputed Version

     This variable was derived from HAN6HS, HAN6IS, and HAN6JS.
     Respondents were asked how often over the past month they had
     consumed beer and lite beer (HAN6HS), wine, wine coolers, sangria,
     and champagne (HAN6IS), and hard liquor such as tequila, gin, vodka,
     scotch, rum, whiskey and liqueurs, either alone or mixed (HAN6JS).
     It is important to note that portion sizes were not defined, and
     responses represent 'number or times' as determined by the respondent.
     The frequencies of consumption were standardized as 'times per month'
     using the conversion factors 4.3 weeks/month and 30.4 days/month
     rounded to the nearest whole number. If the frequency of consumption
     was reported as 'never,' the value was recorded as zero. The variable
     HAN6SRMI is a categorization of HAN6HS, HAN6IS, and HAN6JS into three
     levels representing zero times in the past month, 1-10 times in the
     past month, and 11 or more times in the past month.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HAN6SRIF in the data file CORE.DAT.

HAQ1MI: Condition of sampled person's natural teeth
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HAQ1IF in the data file CORE.DAT.

HAR3RMI: Smoke cigarettes now? (recode)
            Multiply Imputed Version

     This variable was derived from variables HAR1 and HAR3. It records the
     response to the question 'Do you smoke cigarettes now?' Subjects who
     indicated earlier that they had not smoked at least 100 cigarettes

in their lifetime were assigned the response 'No'.

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable HAR3RIF in the data file CORE.DAT.

HAT28MI: Compare own activity level to others
           Multiply Imputed Version

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable HAT28IF in the data file CORE.DAT.

HAZAK1MI: K1 for first BP measurement (home interview)
           Multiply Imputed Version

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable HAZAK1IF in the data file CORE.DAT.

HAZAK5MI: K5 for first BP measurement (home interview)
           Multiply Imputed Version

Zero was considered a valid observation for diastolic (K5) measurements when pulse sounds continue to be heard down to 0 mm Hg.

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable HAZAK5IF in the data file CORE.DAT.

HAZBK1MI: K1 for second BP measurement (home interview)
           Multiply Imputed Version

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable HAZBK1IF in the data file CORE.DAT.

HAZBK5MI: K5 for second BP measurement (home interview)
           Multiply Imputed Version

Zero was considered a valid observation for diastolic (K5) measurements when pulse sounds continue to be heard down to 0 mm Hg.

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable HAZBK5IF in the data file CORE.DAT.

HAZCK1MI: K1 for third BP measurement (home interview)
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HAZCK1IF in the data file CORE.DAT.

HAZCK5MI: K5 for third BP measurement (home interview)
           Multiply Imputed Version

     Zero was considered a valid observation for diastolic (K5) measurements
     when pulse sounds continue to be heard down to 0 mm Hg.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HAZCK5IF in the data file CORE.DAT.

HYD1MI: How is health of SP in general
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HYD1IF in the data file CORE.DAT.

HYF2MI: Condition of SP's natural teeth
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable HYF2IF in the data file CORE.DAT.

BDPFNDMI: Bone mineral density femur neck-gm/cm sq
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPFNDIF in the data file CORE.DAT.

BDPINDMI: BMD of intertrochanter region-gm/cm sq
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPINDIF in the data file CORE.DAT.

BDPKMI: K value for scan
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPKIF in the data file CORE.DAT.

BDPTOAMI: Bone area of total region - cm sq
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPTOAIF in the data file CORE.DAT.

BDPTODMI: Bone mineral density total region-gm/cm sq
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPTODIF in the data file CORE.DAT.

BDPTRDMI: Bone mineral density trochanter region-gm/cm sq
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPTRDIF in the data file CORE.DAT.

BDPWTDMI: Bone mineral density Ward's triangle region-gm/cm sq
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BDPWTDIF in the data file CORE.DAT.

BMPBUTMI: Buttocks circumference (cm)
            Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable BMPBUTIF in the data file CORE.DAT.

BMPHEAMI: Head circumference (cm)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable BMPHEAIF in the data file CORE.DAT.

BMPHTMI: Standing height (cm)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable BMPHTIF in the data file CORE.DAT.

BMPKNEMI: Knee height (cm)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable BMPKNEIF in the data file CORE.DAT.

BMPRECMI: Recumbent length (cm)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable BMPRECIF in the data file CORE.DAT.

BMPSTHMI: Sitting height (cm)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable BMPSTHIF in the data file CORE.DAT.

BMPSB1MI: First subscapular skinfold (mm)
            Multiply Imputed Version

    For NHANES III, the body measurements protocol specified
    that skinfolds would be measured at four different anatomic
    body sites. Independent measures were taken at each body
    site by two technicians, resulting in a minimum of two
    skinfold observations for each site.

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply

Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable BMPSB1IF in the data file CORE.DAT.

BMPSB2MI: Second subscapular skinfold (mm)
            Multiply Imputed Version

        For NHANES III, the body measurements protocol specified
        that skinfolds would be measured at four different anatomic
        body sites. Independent measures were taken at each body
        site by two technicians, resulting in a minimum of two
        skinfold observations for each site.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable BMPSB2IF in the data file CORE.DAT.

BMPSP1MI: First suprailiac skinfold (mm)
            Multiply Imputed Version

        For NHANES III, the body measurements protocol specified
        that skinfolds would be measured at four different anatomic
        body sites. Independent measures were taken at each body
        site by two technicians, resulting in a minimum of two
        skinfold observations for each site.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable BMPSP1IF in the data file CORE.DAT.

BMPSP2MI: Second suprailiac skinfold (mm)
            Multiply Imputed Version

        For NHANES III, the body measurements protocol specified
        that skinfolds would be measured at four different anatomic
        body sites. Independent measures were taken at each body
        site by two technicians, resulting in a minimum of two
        skinfold observations for each site.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable BMPSP2IF in the data file CORE.DAT.

BMPTR1MI: First triceps skinfold (mm)
            Multiply Imputed Version

        For NHANES III, the body measurements protocol specified
        that skinfolds would be measured at four different anatomic
        body sites. Independent measures were taken at each body
        site by two technicians, resulting in a minimum of two

skinfold observations for each site.

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable BMPTR1IF in the data file CORE.DAT.

BMPTR2MI: Second triceps skinfold (mm)
            Multiply Imputed Version

For NHANES III, the body measurements protocol specified
that skinfolds would be measured at four different anatomic
body sites. Independent measures were taken at each body
site by two technicians, resulting in a minimum of two
skinfold observations for each site.

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable BMPTR2IF in the data file CORE.DAT.

BMPWSTMI: Waist circumference (cm)
            Multiply Imputed Version

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable BMPWSTIF in the data file CORE.DAT.

BMPWTMI: Weight (kg)
            Multiply Imputed Version

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable BMPWTIF in the data file CORE.DAT.

FEPMI: Serum iron (ug/dL)
            Multiply Imputed Version

Laboratory methods differed between NHANES III and previous surveys.
Therefore, results may not be comparable between surveys. Consult the
Laboratory Procedures Used for NHANES III (U.S. DHHS, 1996).

Missing values in this variable have been imputed using model-based methods described in the documentation on the NHANES III Multiply Imputed Data Set CD-ROM. Imputed values may be identified by the imputation flag variable FEPIF in the data file CORE.DAT.

FRPMI: Ferritin (ng/mL)
            Multiply Imputed Version

Missing values in this variable have been imputed using model-based
methods described in the documentation on the NHANES III Multiply
Imputed Data Set CD-ROM. Imputed values may be identified by the
imputation flag variable FRPIF in the data file CORE.DAT.

HDPMI: Serum HDL cholesterol (mg/dL)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable HDPIF in the data file CORE.DAT.

HGPMI: Hemoglobin (g/dL)
            Multiply Imputed Version

    In NHANES I, NHANES II, and HHANES, determinations of red and white
    blood cell counts were made using a semiautomated cell counter
    (Coulter model FN). Determinations of hemoglobin concentration (Hb)
    were made using a Coulter hemoglobinometer, and determinations of packed
    cell volume (PCV) were made using the microhematocrit centrifuge method.
    The hematologic indices MCH, MCHC, and MCV were calculated as follows:

        MCH = Hb/RBC
        MCHC = Hb/PCV
        MCV = PCV/RBC

    In NHANES III, these hematologic parameters were determined by using a
    fully automated Coulter S+JR hematology analyzer. These analyzers
    measured the mean (red) cell volume (MCV) directly, utilizing a
    process of continuous integration of pulse heights divided by the pulse
    number; PCV values were calculated through the multiplication of MCV and
    RBC.

    Although it has been shown that identified errors in the
    microhematocrit method caused by plasma trapping and red cell
    dehydration approximately compensate each other (Bull, 1990), packing
    errors can occur in macrocytic anemia and can be considerable in sickle
    cell anemia, spherocytosis, and thalassemias (NCCLS, 1993). Therefore,
    individual values for MCV, PCV ('hematocrit'), and MCHC from NHANES III
    cannot be compared directly to values from the previous NHANES.

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable HGPIF in the data file CORE.DAT.

HTPMI: Hematocrit (%)
            Multiply Imputed Version

    See notes for HGPMI.

Missing values in this variable have been imputed using model-based
methods described in the documentation on the NHANES III Multiply
Imputed Data Set CD-ROM. Imputed values may be identified by the
imputation flag variable HTPIF in the data file CORE.DAT.

MCPSIMI: Mean cell hemoglobin: SI (pg)
            Multiply Imputed Version

        See notes for HGPMI.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable MCPSIIF in the data file CORE.DAT.

MHPMI: Mean cell hemoglobin concentration (g/dL)
            Multiply Imputed Version

        See notes for HGPMI.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable MHPIF in the data file CORE.DAT.

MVPSIMI: Mean cell volume: SI (fL)
            Multiply Imputed Version

        See notes for HGPMI.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable MVPSIIF in the data file CORE.DAT.

PBPMI: Lead (ug/dL)
            Multiply Imputed Version

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable PBPIF in the data file CORE.DAT.

PHPFSTMI: Length of calculated fast (in hours)
            Multiply Imputed Version

     The fasting time was calculated using the time of venipuncture and the
     time the examinee last ate or drank (other than water). This was
     determined using the snack/drink time and the corresponding day
     variables. Fasting time is the elapsed interval between the time the
     examinee last ate or drank and the time of venipuncture.

     The following variables were used to calculate this variable: PHPSNTI,
     PHPSNDA, PHPDRIN, PHPDRTI, PHPDRDA, and   PHPBEST. If the
     examinee drank only water since he/she last ate (PHPDRIN = 2), then the
     time and day the examinee last ate (PHPSNTI and PHPSNDA) were subtracted
     from the time and day of the venipuncture (PHPBEST). The difference was
     the number of hours between the time the examinee last ate and the time
     of the venipuncture.

     If the examinee drank anything other than water (PHPDRIN = 1), then
     the time and day the examinee last drank (PHPDRTI and PHPDRDA) were
     subtracted from the time and day of the venipuncture (PHPBEST). The
     difference was the number of hours between the time the examinee last
     drank and the time of the venipuncture.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable PHPFSTIF in the data file CORE.DAT.

PXPMI: Serum transferrin saturation (%)
            Multiply Imputed Version

     This value was calculated as (FEP/ TIP) * 100.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable PXPIF in the data file CORE.DAT.

RCPMI: Red blood cell count
            Multiply Imputed Version

     Consult the Manual for Medical Technicians for the Coulter granulocyte
     number, lymphocyte number, mononuclear number, white blood cell count,
     red blood cell count, and platelet count units (U.S. DHHS, 1996).

     See notes for HGPMI.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable RCPIF in the data file CORE.DAT.

RWPMI: Red cell distribution width (%)
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable RWPIF in the data file CORE.DAT.

SEPMI: Serum selenium (ng/mL)
           Multiply Imputed Version

     Selenium values were measured on two Perkin-Elmer graphite furnace
     atomic absorption spectrophotometers (model 3030 and model 5100)
     during the six-year study. Based on a comparability study using linear
     models, the results generated using the Model 5100 instrument (from
     12/07/90 to 1/13/95) were on average 4.3 percent higher than those from
     the Model 3030 instrument (used from 10/1/88 to 12/06/90).Since the
     Model 5100 represented more precise measurements, the model 3030 data
     were adjusted to make them comparable to the Model 5100. Perkin-Elmer
     Model 5100 Zeeman-corrected graphite furnace atomic absorption
     spectrophotometer testing began on 12/07/90. All selenium values
     measured prior to 12/07/90 were adjusted to the AA5100 values. The
     formula used was:

     New value = 16.795 + 0.902 * original value.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable SEPIF in the data file CORE.DAT.

TCPMI: Serum cholesterol (mg/dL)
           Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable TCPIF in the data file CORE.DAT.

TGPMI: Serum triglycerides (mg/dL)
           Multiply Imputed Version

     Serum triglyceride levels were measured regardless of the examinee's
     fasting status. Mean serum triglycerides and the distribution of
     serum triglycerides should be estimated only on examinees who did fast
     at least nine hours, were examined in the morning, and were randomly
     assigned to the morning fasting sample (WTPFHSD6 > 0). For the
     purpose of this calculation, the number of hours fasted was rounded to
     the nearest whole integer. Consult the Laboratory Procedures Used for
     NHANES III (U.S. DHHS, 1996) for details.

Missing values in this variable have been imputed using model-based
methods described in the documentation on the NHANES III Multiply
Imputed Data Set CD-ROM. Imputed values may be identified by the
imputation flag variable TGPIF in the data file CORE.DAT.

TIPMI: Serum TIBC (ug/dL)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable TIPIF in the data file CORE.DAT.

FPPSUDMI: Summary drusen score
            Multiply Imputed Version

    The summary drusen score was derived from a combination of values
    from several variables.

    Definite drusen present: FPP1230, hard drusen, and/or FPP1240,
    soft drusen, were coded '02 Yes.'

    Questionable drusen present: Definite drusen were not present,
    and FPP1230, hard drusen, and/or FPP1240, soft drusen, were/was
    coded '01 Questionable.'

    No drusen present: Neither definite nor questionable drusen was
    present, and FPP1230, hard drusen, and/or FPP1240, soft drusen,
    were/was coded '00 None.'

    Cannot grade drusen: FPP1230, hard drusen, and FPP1240, soft
    drusen, were both treated as missing values.

    Blank but applicable: FPP1060, gradability, was coded as
    missing, or FPP1020, fundus, was coded as '00' or missing.

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable FPPSUDIF in the data file CORE.DAT.

FPPSUMMI: Summary age-related maculopathy score
            Multiply Imputed Version

        The summary age-related maculopathy score was derived from a
        combination of values from several variables. A detailed
        description of lesions as defined by the Wisconsin Age-Related
        Maculopathy Grading System is available (Klein, 1991; NTIS,
        1991).

        Late age-related maculopathy: At least one of the following
        variables was coded '02 Yes.'

            FPP1174, geographic atrophy
            FPP1176, sub-retinal hemorrhage
            FPP1178, sub-retinal fibrous scar
            FPP1180, sensory serous (sub-retinal) detachment

        Early age-related maculopathy: At least one of the following
        three sets of conditions was met.

            FPP1172, degeneration of retinal pigment epithelium (RPE),
            was coded '02 Yes,' and (FPP1230, hard drusen, and/or
            FPP1240, soft drusen, were/was coded '02 Yes').

            FPP1182, hyperpigmentation, was coded '02 Yes,' and
            (FPP1230, hard drusen, and/or FPP1240, soft drusen, were/was
            coded '02 Yes').

            FPP1240, soft drusen, was coded '02 Yes,' and FPP1250, grid
            area, was coded 02-04 (equal to or greater than a circle 95
            microns in diameter).

        No age-related maculopathy: Early and late age-related
        maculopathy definitions were not met, and FPP1240, soft drusen,
        was coded 00-02 (gradable).

        'Cannot grade' age-related maculopathy: Early and late
        age-related maculopathy definitions were not met, and FPP1240,
        soft drusen, was coded 'Can't grade' and treated as missing.

        Blank but applicable: FPP1060, gradability, was coded '06
        Entire field ungradable,' or FPP1020, fundus, was coded '00
        Absent' or '88 Blank but applicable' and treated as missing.

        Missing values in this variable have been imputed using model-based
        methods described in the documentation on the NHANES III Multiply
        Imputed Data Set CD-ROM. Imputed values may be identified by the
        imputation flag variable FPPSUMIF in the data file CORE.DAT.

FPPSURMI: Summary diabetic retinopathy score
            Multiply Imputed Version

    The summary diabetic retinopathy score was derived from a
    combination of values from several variables. That is, it
    combines the diabetic retinopathy level variable (FPP1070) and
    history of treatment for proliferative diabetic retinopathy
    (using the photocoagulation treatment outside the arcades
    variable (FPP1214) as a marker). A detailed description of
    lesions as defined by The Early Treatment Diabetic Retinopathy
    Study (ETDRS) is available in the ETDRS report #10 (The Early
    Treatment Diabetic Retinopathy Study, 1991). The NHANES III
    fundus photo grading protocol (NTIS, 1995) describes methods of
    assigning diabetic levels.

    Proliferative diabetic retinopathy: At least one of the
    following two sets of conditions was met.

        FPP1070, diabetic retinopathy level, was coded 060-070.

        FPP1070, diabetic retinopathy level, has a code of anything
        other than '012 Non-diabetic retinopathy,' and FPP1214,
        photocoagulation treatment outside arcades, was coded '02
        Yes.'

    Moderate/severe non-proliferative retinopathy: FPP1070, diabetic
    retinopathy level, was coded '041 Moderate non-proliferative' or
    '051 Severe non-proliferative.'

    Mild non-proliferative retinopathy: FPP1070, diabetic
    retinopathy level, was coded '020 Microaneurysms only' or '031
    Early non-proliferative.'

    No diabetic retinopathy: FPP1070, diabetic retinopathy level,
    was coded 010-015.

    'Cannot grade' diabetic retinopathy: FPP1070, diabetic
    retinopathy level, was coded 'Can't grade' and treated as missing.

    Blank but applicable: FPP1060, gradability, was coded '06
    Entire field ungradable,' or FPP1020, fundus, was coded '00
    Absent' or '88 Blank but applicable' and treated as missing.

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable FPPSURIF in the data file CORE.DAT.

PEP6G1MI: K1, systolic, for 1st BP (mmHg)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply

Imputed Data Set CD-ROM. Imputed values may be identified by the
imputation flag variable PEP6G1IF in the data file CORE.DAT.

PEP6G2MI: K4, diastolic, for 1st BP(mmHg)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable PEP6G2IF in the data file CORE.DAT.

PEP6G3MI: K5, diastolic, for 1st BP(mmHg)
            Multiply Imputed Version

    Zero is considered a valid observation for diastolic (K5)
    measurements when pulse sounds continue to be heard down to 0 mm
    Hg.

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable PEP6G3IF in the data file CORE.DAT.

PEP6H1MI: K1, systolic, for 2nd BP (mmHg)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable PEP6H1IF in the data file CORE.DAT.

PEP6H2MI: K4, diastolic, for 2nd BP(mmHg)
            Multiply Imputed Version

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable PEP6H2IF in the data file CORE.DAT.

PEP6H3MI: K5, diastolic, for 2nd BP(mmHg)
            Multiply Imputed Version

    Zero is considered a valid observation for diastolic (K5)
    measurements when pulse sounds continue to be heard down to 0 mm
    Hg.

    Missing values in this variable have been imputed using model-based
    methods described in the documentation on the NHANES III Multiply
    Imputed Data Set CD-ROM. Imputed values may be identified by the
    imputation flag variable PEP6H3IF in the data file CORE.DAT.

PEP6I1MI: K1, systolic, for 3rd BP (mmHg)
          Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable PEP6I1IF in the data file CORE.DAT.

PEP6I2MI: K4, diastolic, for 3rd BP(mmHg)
          Multiply Imputed Version

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable PEP6I2IF in the data file CORE.DAT.

PEP6I3MI: K5, diastolic, for 3rd BP(mmHg)
          Multiply Imputed Version

     Zero is considered a valid observation for diastolic (K5)
     measurements when pulse sounds continue to be heard down to 0 mm
     Hg.

     Missing values in this variable have been imputed using model-based
     methods described in the documentation on the NHANES III Multiply
     Imputed Data Set CD-ROM. Imputed values may be identified by the
     imputation flag variable PEP6I3IF in the data file CORE.DAT.