This dataset is created based on Gen 1 FHS participants’ self-reported information.

The following is the timeline for related questions found in individual FHS core exams (N = No, Y = Yes):

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FHS Core Exam | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| Aspirin | N | Y | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |

* Each derived variable will contain information of the source variable name, source question and the underlying logic programming.

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|  |
| --- |
| **IDTYPE** |

**Variable name:** idtype

**Description:** Framingham Heart Study cohort identifier

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Gen 1 |

|  |
| --- |
| **ID** |

**Variable name:** id

**Description:** Framingham Heart Study participant identifier within cohort

|  |
| --- |
| **IDTYPE and ID must be used together to form a unique study participant identification number or use variable “framid” instead** |

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 – 9999 | Range of values |

**Note:** To preserve confidentiality, the exact range for the ID is not reflected in the coding manual.

|  |
| --- |
| **FRAMID** |

**Variable name:** framid

**Description:** Framingham ID assigned to each participant

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 00000 – 99999 | Gen 1 |

**Note:** To preserve confidentiality, the exact range for the ID is not reflected in the coding manual.

|  |
| --- |
| **SEX** |

**Variable name:** sex

**Description:** Sex of the participant

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 1 | Male |
| 2 | Female |

**Note:** This variable was derived from MF3 in core exams 1-7.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE4** |

**Variable name:** menopause\_age\_core4

**Description:** Age at menopause, exam 4

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 16 – 59 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF239 in core exam 4.

AGE AT WHICH MENSES CEASED, EXAM 4

0000 NOT CEASED

0016-0059 KNOWN, IN YEARS

9999 UNKNOWN

1000 MAN

9997 DID NOT TAKE EXAM 4

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE5** |

**Variable name:** menopause\_age\_core5

**Description:** Age at menopause, exam 5

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 16 – 58 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF327 in core exam 5.

AGE AT WHICH MENSES CEASED, EXAM 5

0000 NOT CEASED

0016-0058 KNOWN, IN YEARS

9999 UNKNOWN

1000 MAN

9997 DID NOT TAKE EXAM 5

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE6** |

**Variable name:** menopause\_age\_core6

**Description:** Age at menopause, exam 6

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 16 – 58 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF423 in core exam 6.

AGE AT WHICH MENSES STOPPED, EXAM 6

0000 NOT STOPPED

0016-0058 KNOWN, IN YEARS

9999 UNKNOWN

1000 MAN

9997 DID NOT TAKE EXAM 6

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE7** |

**Variable name:** menopause\_age\_core7

**Description:** Age at menopause, exam 7

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 16 – 58 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF533 in core exam 7.

LIFETIME HISTORY OF MENOPAUSE: AGE AT WHICH MENSES CEASED, EXAM 7

0016-0058 KNOWN, IN YEARS

9999 UNKNOWN AGE

1999 UNKNOWN IF MENSES CEASED

2000 MENSES NOT CEASED, WOMAN. MAN

9997 DID NOT TAKE EXAM 7

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE8** |

**Variable name:** menopause\_age\_core8

**Description:** Age at menopause, exam 8

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 18 – 59 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FA131 in core exam 8.

00 PERIODS HAVE NOT STOPPED

18-55 AGE FIXED BY REVIEW OF PANEL

2000 MAN

9999 STOPPED AT UNKNOWN AGE (99)Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE9** |

**Variable name:** menopause\_age\_core9

**Description:** Age at menopause, exam 9

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 18 – 59 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FB78 in core exam 9.

INTERIM HISTORY OF MENOPAUSE: AGE PERIODS STOPPED

0018-0059 KNOWN

1000 PERIODS NOT STOPPED

2000 MAN

9999 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE10** |

**Variable name:** menopause\_age\_core10

**Description:** Age at menopause, exam 10

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 18 – 58 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FC94 in core exam 10.

MENOPAUSE: AGE AT WHICH PERIODS STOPPED

18-58 KNOWN

00 PERIODS NOT STOPPED

88 MAN

99 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE11** |

**Variable name:** menopause\_age\_core11

**Description:** Age at menopause, exam 11

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 18 – 59 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FD88 in core exam 11.

MENOPAUSE: AGE AT WHICH PERIODS STOPPED

18-59 KNOWN

00 PERIODS NOT STOPPED

88 MAN

99 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE12** |

**Variable name:** menopause\_age\_core12

**Description:** Age at menopause, exam 12

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 18 – 59 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FE102 in core exam 12.

MENOPAUSE: AGE AT WHICH PERIODS STOPPED

18-59 KNOWN AGE

00 PERIODS NOT STOPPED

88 MAN

99 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_AGE\_CORE13** |

**Variable name:** menopause\_age\_core13

**Description:** Age at menopause, exam FF13

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 18 – 59 | Range of values |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FF104 in core exam 13.

MENOPAUSE: AGE AT WHICH PERIODS STOPPED

00 PERIODS NOT STOPPED

18-59 KNOWN AGE

88 MAN

. UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE2** |

**Variable name:** menopause\_status\_core2

**Description:** Age at menopause, exam 2

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF121 in core exam 2.

INTERIM HISTORY OF MENOPAUSE, EXAM 2

0000 NOT IN MENOPAUSAL STATE

0001 NATURAL MENOPAUSE

0002 ARTIFICIAL MENOPAUSE

0003 IN PAST MENOPAUSAL STATE

9999 UNKNOWN

9997 DID NOT TAKE EXAM 2

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE4** |

**Variable name:** menopause\_status\_core4

**Description:** Age at menopause, exam 4

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF238 in core exam 4.

INTERIM HISTORY OF MENOPAUSE, EXAM 4

0000 NOT DURING INTERIM

0001 SYMPTOMS PRESENT

0002 ARTIFICIAL

0003 BOTH ARTIFICIAL AND SYMPTOMS PRESENT

9999 UNKNOWN

1000 MAN

9997 DID NOT TAKE EXAM 4

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE5** |

**Variable name:** menopause\_status\_core5

**Description:** Age at menopause, exam 5

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF326 in core exam 5.

INTERIM HISTORY OF MENSES, EXAM 5

0001 MENSES HAVE CEASED, NO HOT FLASHES

0002 MENSES HAVE CEASED, HOT FLASHES STILL OCCUR

0003 MENSES HAVE NOT CEASED, NO HOT FLASHES

0004 MENSES HAVE NOT CEASED, HOT FLASHES STILL OCCUR

0005 UNKNOWN MENSES, NO HOT FLASHES

0006 UNKNOWN MENSES, HOT FLASHES OCCUR

0007 MENSES HAVE CEASED, UNKNOWN HOT FLASHES

0008 MENSES HAVE NOT CEASED, UNKNOWN HOT FLASHES

9999 UNKNOWN FOR BOTH MENSES AND HOT FLASHES

1000 MAN

9997 DID NOT TAKE EXAM 5

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE6** |

**Variable name:** menopause\_status\_core6

**Description:** Age at menopause, exam 6

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF422 in core exam 6.

LIFETIME HISTORY OF MENOPAUSE, EXAM 6

0000 PERIODS HAVE NOT STOPPED

0001 PERIODS HAVE STOPPED

9999 UNKNOWN

1000 MAN

9997 DID NOT TAKE EXAM 6

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE7** |

**Variable name:** menopause\_status\_core7

**Description:** Age at menopause, exam 7

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from MF533 in core exam 7.

LIFETIME HISTORY OF MENOPAUSE: AGE AT WHICH MENSES CEASED, EXAM 7

0016-0058 KNOWN, IN YEARS

9999 UNKNOWN AGE

1999 UNKNOWN IF MENSES CEASED

2000 MENSES NOT CEASED, WOMAN. MAN

9997 DID NOT TAKE EXAM 7

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE8** |

**Variable name:** menopause\_status\_core8

**Description:** Age at menopause, exam 8

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FA132 in core exam 8.

MENOPAUSE: TYPE OF CESSATION

0 PERIODS HAVE NOT STOPPED

1 NATURAL

2 SURGICAL

3 DUE TO RADIATION

4 ARTIFICIAL AND OTHER

2000 MAN

9999 UNKNOWN

Refer to R code for more information.

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE9** |

**Variable name:** menopause\_status\_core9

**Description:** Age at menopause, exam 9

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FB77 in core exam 9.

INTERIM HISTORY OF MENOPAUSE: PERIODS HAVE STOPPED ONE YEAR OR MORE

0001 YES

1000 NO

2000 MAN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE10** |

**Variable name:** menopause\_status\_core10

**Description:** Age at menopause, exam 10

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FC93 in core exam 10.

MENOPAUSE: PERIODS HAVE STOPPED ONE YEAR OR MORE

0 NO

1 YES

8 MAN

9 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE11** |

**Variable name:** menopause\_status\_core11

**Description:** Age at menopause, exam 11

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FD87 in core exam 11.

MENOPAUSE: PERIODS HAVE STOPPED ONE YEAR OR MORE

0 NO

1 YES

8 MAN

9 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE12** |

**Variable name:** menopause\_status\_core12

**Description:** Age at menopause, exam 12

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FE101 in core exam 12.

MENOPAUSE: PERIODS HAVE STOPPED ONE YEAR OR MORE

0 NO

1 YES

8 MAN

9 UNKNOWN

Refer to R code for more information.

|  |
| --- |
| **MENOPAUSE\_STATUS\_CORE13** |

**Variable name:** menopause\_status\_core13

**Description:** Age at menopause, exam 13

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | Not ceased |
| 1 | Ceased |
| . | Did not attend/Unknown/Male |

**Note:** This variable was derived from FF103 in core exam 13.

MENOPAUSE: PERIODS HAVE STOPPED ONE YEAR OR MORE

0 NO

1 YES

8 MAN

NO UNKNOWNS

Refer to R code for more information.

|  |
| --- |
| **OVERALL\_MENOPAUSE\_EXAM** |

**Variable name:** overall\_menopause\_exam

**Description:** Exam where menopause was reached

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 2 – 13 | Range of values |
| . | Unknown/Male |

**Note:** Refer to R code for more information.

|  |
| --- |
| **OVERALL\_MENOPAUSE\_AGE** |

**Variable name:** overall\_menopause\_age

**Description:** Age where menopause was reached

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 17.2 – 58.667 | Range of values |
| 9999 | Large age range reported |
| . | Unknown/Male |

**Note:** Refer to R code for more information.

|  |
| --- |
| **HORMONES\_CORE2** |

**Variable name:** hormones\_core2

**Description:** Hormone medication use, exam 2

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| 1000 | Hormone usage though male |
| . | Unknown |

**Note:** This variable was derived from MF130 in core exam 2. Logic:

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE5** |

**Variable name:** hormones\_core5

**Description:** Hormone medication use, exam 5

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| . | Unknown |

**Note:** This variable was derived from MF328 in core exam 5. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE7** |

**Variable name:** hormones\_core7

**Description:** Hormone medication use, exam 7

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| . | Unknown |

**Note:** This variable was derived from MF535 in core exam 7. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE8** |

**Variable name:** hormones\_core8

**Description:** Hormone medication use, exam 8

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| . | Unknown |

**Note:** This variable was derived from FA135 and FA136 in core exam 8. Logic:

\*Combining FA135 and FA136 into one variable: combined\_core8 ;

if FA135 in (2000,9999,88) or FA136 in (2000,9999,88) then combined\_core8 = . ;

else if FA135 in (1,2,3,4,5,6,7,8) or FA136 in (0,1,2,3,4,5,6,7,8) then combined\_core8 = 1 ;

else combined\_core8 = 0;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE9** |

**Variable name:** hormones\_core9

**Description:** Hormone medication use, exam 9

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| . | Unknown |

**Note:** This variable was derived from FB80 in core exam 9. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE10** |

**Variable name:** hormones\_core10

**Description:** Hormone medication use, exam 10

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| 1000 | Hormone usage though male |
| . | Unknown |

**Note:** This variable was derived from FC96 in core exam 10. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE11** |

**Variable name:** hormones\_core11

**Description:** Hormone medication use, exam 11

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| 1000 | Hormone usage though male |
| . | Unknown |

**Note:** This variable was derived from FD86 in core exam 11. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE12** |

**Variable name:** hormones\_core12

**Description:** Hormone medication use, exam 12

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| 1000 | Hormone usage though male |
| . | Unknown |

**Note:** This variable was derived from FE99 in core exam 12. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE13** |

**Variable name:** hormones\_core13

**Description:** Hormone medication use, exam 13

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| 2 | Hormone usage though not in menopause |
| 1000 | Hormone usage though male |
| . | Unknown |

**Note:** This variable was derived from FF101 in core exam 13. Logic:

Recoding extracted hormone datapoints (MF328, MF535, FB80, FC96, FD86, FE99, FF101) from exams 5, 7, 9, 10, 11, 12, 13 to binary variables ;

if extracted hormones datapoints in (9997,9999,88,2000,7,8,9,992) then extracted hormones datapoints = . ;

else if extracted hormones datapoints = 0 then extracted hormones datapoints = 0 ;

else if extracted hormones datapoints in (1,2,3) then extracted hormones datapoints = 1 ;

\*Compare individual hormone datapoints from exams 2 to 13 with menopause status;

if individual hormone datapoints < menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 2 ;

else if hormones = 0 then hormones\_core() = 0

if individual hormone datapoints => menopause exam then

if hormone = . then hormone\_core() = .

if hormone = 1 then hormone\_core() = 1 ;

else if hormones = 0 then hormones\_core() = 0

|  |
| --- |
| **HORMONES\_CORE14** |

**Variable name:** hormones\_core14

**Description:** Hormone medication use, exam 14

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** This variable was derived from FG100 in core exam 14. Logic:

\*Recoding extracted hormone datapoints (FG100, FH99, FJ28, FK112) from exams 14, 15, 17 and 18 to binary variables ;

if extracted hormones datapoints in (.,88) then hormones\_core() = . ;

else if extracted hormones datapoints in (1,2) then hormones\_core() = 1 ;

else if extracted hormones datapoints in (0,3) then hormones\_core() = 0 ;

|  |
| --- |
| **HORMONES\_CORE15** |

**Variable name:** hormones\_core15

**Description:** Hormone medication use, exam 15

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** This variable was derived from FH99 in core exam 15. Logic:

\*Recoding extracted hormone datapoints (FG100, FH99, FJ28, FK112) from exams 14, 15, 17 and 18 to binary variables ;

if extracted hormones datapoints in (.,88) then hormones\_core() = . ;

else if extracted hormones datapoints in (1,2) then hormones\_core() = 1 ;

else if extracted hormones datapoints in (0,3) then hormones\_core() = 0 ;

|  |
| --- |
| **HORMONES\_CORE16** |

**Variable name:** hormones\_core16

**Description:** Hormone medication use, exam 16

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FI58 (exam 16) to binary variables;

if FI58 in (.,88) then hormones\_core16 = . ;

else if FI58 in (4,5) then hormones\_core16 = 1 ;

else if FI58 = 3 then hormones\_core16 = 0 ;

|  |
| --- |
| **HORMONES\_CORE17** |

**Variable name:** hormones\_core17

**Description:** Hormone medication use, exam 17

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** This variable was derived from FJ28 in core exam 14. Logic:

\*Recoding extracted hormone datapoints (FG100, FH99, FJ28, FK112) from exams 14, 15, 17 and 18 to binary variables ;

if extracted hormones datapoints in (.,88) then hormones\_core() = . ;

else if extracted hormones datapoints in (1,2) then hormones\_core() = 1 ;

else if extracted hormones datapoints in (0,3) then hormones\_core() = 0 ;

|  |
| --- |
| **HORMONES\_CORE18** |

**Variable name:** hormones\_core18

**Description:** Hormone medication use, exam 18

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** This variable was derived from FK112 in core exam 14. Logic:

\*Recoding extracted hormone datapoints (FG100, FH99, FJ28, FK112) from exams 14, 15, 17 and 18 to binary variables ;

if extracted hormones datapoints in (.,88) then hormones\_core() = . ;

else if extracted hormones datapoints in (1,2) then hormones\_core() = 1 ;

else if extracted hormones datapoints in (0,3) then hormones\_core() = 0 ;

|  |
| --- |
| **HORMONES\_CORE19** |

**Variable name:** hormones\_core19

**Description:** Hormone medication use, exam 19

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FL147, FL174 and FL177 (exam 19) to binary variables;

if FL147 in (1,2) or FL174 in (1,2) or FL177 in (1,2) then hormones\_core19 = 1 ;

else if FL147 = 0 and FL174 = 0 and FL177 = 0 then hormones19 = 0;

else hormones\_core19 = . ;

|  |
| --- |
| **HORMONES\_CORE20** |

**Variable name:** hormones\_core20

**Description:** Hormone medication use, exam 20

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FM185, FM202, FM205 and FM206 (exam 20) to binary variables;

if FM185 in (1,2) or FM202 in (1,2) or FM205 in (1,2) or FM206 in (1,2) then hormones\_core20 = 1 ;

else if FM185 in (0,3) and FM202 = 0 and FM205 = 0 and FM206 = 0 then hormones\_core20 = 0 ;

else if FM185 in (.,88) and FM202 in (.,8,88) and FM205 in (.,8,88) and FM206 in (.,8,88) then hormones\_core20 = . ;

|  |
| --- |
| **HORMONES\_CORE21** |

**Variable name:** hormones\_core21

**Description:** Hormone medication use, exam 21

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FN124, FN152, FN155 and FN156 (exam 21) to binary variables;

if FN124 in (1,2) or FN152 in (1,2) or FN155 in (1,2) or FN156 in (1,2) then hormones\_core21 = 1 ;

else if FN124 in (0,3) and FN152 = 0 and FN155 = 0 and FN156 = 0 then hormones\_core21 = 0 ;

else hormones\_core21 = . ;

|  |
| --- |
| **HORMONES\_CORE22** |

**Variable name:** hormones\_core22

**Description:** Hormone medication use, exam 22

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FO131, FO151, FO155 and FO156 (exam 22) to binary variables;

if FO131 in (1,2) or FO151 in (1,2) or FO155 in (1,2) or FO156 in (1,2) then hormones\_core22 = 1 ;

else if FO131 in (0,3) and FO151 = 0 and FO155 = 0 and FO156 = 0 then hormones\_core22 = 0 ;

else if FO131 in (.,88) and FO151 in (.,8,88) and FO155 in (.,8,88) and FO156 in (.,8,88) then hormones\_core22 = . ;

|  |
| --- |
| **HORMONES\_CORE23** |

**Variable name:** hormones\_core23

**Description:** Hormone medication use, exam 23

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FP085, FP121, FP122, FP126 and FP127 (exam 23) to binary variables;

if FP085 in (1,2) or FP121 = 1 or FP122 in (1,2) or FP126 in (1,2) or FP127 in (1,2) then hormones\_core23 = 1 ;

else if FP085 in (0,3) and FP121 = 0 and FP122 = 0 and FP126 = 0 and FP127 = 0 then hormones\_core23 = 0 ;

else if FP085 in (.,88) and FP121 in (.,8,88) and FP122 in (.,88) and FP126 in (.,8,88) and FP127 in (.,8,88) then hormones\_core23 = . ;

|  |
| --- |
| **HORMONES\_CORE24** |

**Variable name:** hormones\_core24

**Description:** Hormone medication use, exam 24

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FQ170, FQ186 and FQ190 (exam 24) to binary variables;

if FQ170 in (1,2) or FQ186 in (1,2) or FQ190 in (1,2) then hormones\_core24 = 1 ;

else if FQ170 in (0,3) and FQ186 = 0 and FQ190 = 0 then hormones\_core24 = 0 ;

else if FQ170 in (.,88) and FQ186 in (.,8,88) and FQ190 in (.,8,88) then hormones\_core24 = . ;

|  |
| --- |
| **HORMONES\_CORE25** |

**Variable name:** hormones\_core25

**Description:** Hormone medication use, exam 25

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FR222, FR241, FR245 and FR246 (exam 25) to binary variables;

if FR222 in (1,2) or FR241 in (1,2) or FR245 in (1,2) or FR246 in (1,2) then hormones\_core25 = 1 ;

else if FR222 in (0,3) and FR241 in (0,3) and FR245 in (0,3) and FR246 in (0,3) then hormones\_core25 = 0 ;

else if FR222 in (.,88) and FR241 in (.,8,88) and FR245 in (.,8,88) and FR246 in (.,8,88) then hormones\_core25 = . ;

|  |
| --- |
| **HORMONES\_CORE26** |

**Variable name:** hormones\_core26

**Description:** Hormone medication use, exam 26

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FS290, FS314, FS318 and FS319 (exam 26) to binary variables;

if FS290 in (1,2) or FS314 in (1,2) or FS318 in (1,2) or FS319 in (1,2) then hormones\_core26 = 1 ;

else if FS290 in (0,3) and FS314 = 0 and FS318 = 0 and FS319 = 0 then hormones\_core26 = 0 ;

else if FS290 in (.,88) and FS314 in (.,8,88) and FS318 in (.,8,88) and FS319 in (.,8,88) then hormones\_core26 = . ;

|  |
| --- |
| **HORMONES\_CORE27** |

**Variable name:** hormones\_core27

**Description:** Hormone medication use, exam 27

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FT297, FT323, FT327 and FT328 (exam 27) to binary variables;

if FT297 in (1,2) or FT323 in (1,2) or FT327 in (1,2) or FT328 in (1,2) then hormones\_core27 = 1 ;

else if FT297 in (0,3) and FT323 = 0 and FT327 = 0 and FT328 = 0 then hormones\_core27 = 0 ;

else if FT297 in (.,88) and FT323 in (.,8,88) and FT327 in (.,8,88) and FT328 in (.,8,88) then hormones\_core27 = . ;

|  |
| --- |
| **HORMONES\_CORE28** |

**Variable name:** hormones\_core28

**Description:** Hormone medication use, exam 28

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:**

\* Recoding FU023, FU027 and FU028 (exam 28) to binary variables;

if FU023 in (1,2) or FU027 in (1,2) or FU028 in (1,2) then hormones\_core28 = 1 ;

if ATC data (exam 28) = 1 then hormones\_core28 = 1 ;

else if FU023 = 0 and FU027 = 0 and FU028 = 0 and ATC data (exam 28) = 0 then hormones\_core28 = 0 ;

else if FU023 in (.,88) and FU027 in (.,88) and FU028 in (.,88) then hormones\_core28 = . ;

|  |
| --- |
| **HORMONES\_CORE29** |

**Variable name:** hormones\_core29

**Description:** Hormone medication use, exam 29

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** Derived from ATC data (exam 29). Logic:

\* Create similar binary variables using ATC data from exam 29, 30, 31 and 32;

if ATC data = 1 then hormones\_core() = 1 ;

else if ATC data = 0 then hormones\_core() = 0 ;

else if ATC data = . then hormones\_core() = . ;

|  |
| --- |
| **HORMONES\_CORE30** |

**Variable name:** hormones\_core30

**Description:** Hormone medication use, exam 30

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** Derived from ATC data (exam 30). Logic:

\* Create similar binary variables using ATC data from exam 29, 30, 31 and 32;

if ATC data = 1 then hormones\_core() = 1 ;

else if ATC data = 0 then hormones\_core() = 0 ;

else if ATC data = . then hormones\_core() = . ;

|  |
| --- |
| **HORMONES\_CORE31** |

**Variable name:** hormones\_core31

**Description:** Hormone medication use, exam 31

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** Derived from ATC data (exam 31). Logic:

\* Create similar binary variables using ATC data from exam 29, 30, 31 and 32;

if ATC data = 1 then hormones\_core() = 1 ;

else if ATC data = 0 then hormones\_core() = 0 ;

else if ATC data = . then hormones\_core() = . ;

|  |
| --- |
| **HORMONES\_CORE32** |

**Variable name:** hormones\_core32

**Description:** Hormone medication use, exam 32

|  |  |
| --- | --- |
| **Code or Value** | **Description** |
| 0 | No hormone usage |
| 1 | Hormone usage |
| . | Unknown |

**Note:** Derived from ATC data (exam 32). Logic:

\* Create similar binary variables using ATC data from exam 29, 30, 31 and 32;

if ATC data = 1 then hormones\_core() = 1 ;

else if ATC data = 0 then hormones\_core() = 0 ;

else if ATC data = . then hormones\_core() = . ;