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.

Last Updated: October 2023

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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() = . ;