This dataset is created based on Gen 2/Omni 1 FHS participants' self-reported information from Exam 1 to Exam 10.

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 |
|--------------------|---|---|---|---|---|---|---|---|---|----|
| Menopause/Hormones | Υ | Υ | Υ | Υ | Υ | Υ | Υ | Υ | Υ | Υ |

Menopause/Hormones Extension

Last Updated: February 2024

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IDTYPE

Variable name: IDTYPE

Description: Framingham Heart Study cohort identifier

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 1 | No | 2642 |
| 7 | Yes, now | 269 |

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

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.

REV_DATE

Variable name: REV_DATE Description: Review date

| Code or Value | Description | Count |
|-------------------|-----------------|-------|
| 08/2013 - 10/2014 | Range of values | 249 |
| | Unknown | 2662 |

Note: Date includes month, day and year, however coding manual displays only month and year to preserve confidentiality.

REV_DATE deleted - used for administrative purposes only

STOP_AGE

Variable name: STOP_AGE

Description: Age when periods reported stopped for one year or more

| Code or Value | Description | Count |
|---------------|---|-------|
| 19 – 63 | Range of values | 2547 |
| 0 | Not stopped as of last attended exam | 324 |
| | Unknown as of last attended exam or CAUSE = 4 | 40 |

STOP_AGELTY

Variable name: STOP_AGE

Description: Indicates that periods stopped less than a year after STOP_AGE

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | periods stopped one year or more | 2633 |
| 1 | periods stopped less then a year after | 8 |
| | STOP_AGE | |
| | Unknown | 270 |

CAUSE

Variable name: CAUSE

Description: Cause periods stopped

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Period not stopped | 323 |
| 1 | Natural | 1814 |
| 2 | Surgical | 732 |
| 3 | Other (radiation, chemo, etc.) | 19 |
| 4 | Hormone use before reporting periods stopped | 11 |
| • | Unknown | 12 |

EXAMSTOP

Variable name: EXAMSTOP

Description: Exam At Which Periods Stopped

| Code or Value | Description | Count |
|---------------|--------------------|-------|
| 0 | Period not stopped | 324 |
| 1 | Exam 1 | 659 |
| 2 | Exam 2 | 435 |
| 3 | Exam 3 | 330 |
| 4 | Exam 4 | 247 |
| 5 | Exam 5 | 222 |
| 6 | Exam 6 | 241 |
| 7 | Exam 7 | 190 |
| 8 | Exam 8 | 176 |
| 9 | Exam 9 | 61 |
| | Unknown | 26 |

APPROX

Variable name: APPROX

Description: STOP_AGE approximated

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 2584 |
| 1 | Yes | 57 |
| • | Unknown | 270 |

Note: When STOP_AGE was reported in an inconsistent manner, STOP_AGE was assigned based on the following statement: for women reporting a stop age younger than age at exam where periods were reported not stopped, STOP_AGE was assigned the age at the last attended exam reporting menses plus 1 year.

EST1

Variable name: EST1

Description: Estrogen use at Exam 1

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 2532 |
| 1 | Yes, now | 93 |
| | Unknown | 286 |

EST2

Variable name: EST2

Description: Estrogen use at Exam 2

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 1896 |
| 1 | Yes, now | 65 |
| | Unknown | 950 |

EST3

Variable name: EST3

Description: Estrogen use at Exam 3

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 1899 |
| 1 | Yes, now | 108 |
| | Unknown | 904 |

EST4

Variable name: EST4

Description: Estrogen use at Exam 4

Code or Value Description Count

Estrogen

| 0 | No | 1884 |
|---|----------|------|
| 1 | Yes, now | 188 |
| | Unknown | 839 |

EST5

Variable name: EST5

Description: Estrogen use at Exam 5

| Code or Value | Description | Count |
|---------------|--------------|-------|
| 0 | No | 1871 |
| 1 | Yes, now | 369 |
| 2 | Yes, not now | 13 |
| | Unknown | 658 |

EST6

Variable name: EST6

Description: Estrogen use at Exam 6

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 1388 |
| 1 | Yes, now | 486 |
| | Unknown | 1037 |

EST7

Variable name: EST7

Description: Estrogen use at Exam 7

| Code or Value | Description | Count |
|---------------|--------------|-------|
| 0 | No | 1481 |
| 1 | Yes, now | 629 |
| 2 | Yes, not now | 12 |
| | Unknown | 789 |

EST8

Variable name: EST8

Description: Estrogen use at Exam 8

| Code or Value | Description | Count |
|---------------|--------------|-------|
| 0 | No | 1573 |
| 1 | Yes, now | 156 |
| 2 | Yes, not now | 19 |
| | Unknown | 1163 |

EST9

Variable name: EST9

Description: Estrogen use at Exam 9

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 1515 |
| 1 | Yes, now | 11 |
| | Unknown | 1385 |

EST10

Variable name: EST10

Description: Estrogen use at Exam 10

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 954 |
| 1 | Yes, now | 1 |
| | Unknown | 1956 |

SERM5

Variable name: SERM5

Description: Selective Estrogen Receptor Modulator (SERMs) use at Exam 5

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 243 |
| 1 | Yes, now | 4 |
| | Unknown | 2664 |

SERM7

Variable name: SERM7

Description: Selective Estrogen Receptor Modulator (SERMs) use at Exam 7

| Code or Value | Description | Count |
|---------------|--------------|-------|
| 0 | No | 200 |
| 1 | Yes, now | 8 |
| 2 | Yes, not now | 1 |
| | Unknown | 2702 |

SERM8

Variable name: SERM8

Description: Selective Estrogen Receptor Modulator (SERMs) use at Exam 8

| Code or Value | Description | Count |
|---------------|--------------|-------|
| 0 | No | 1682 |
| 1 | Yes, now | 93 |
| 2 | Yes, not now | 2 |
| • | Unknown | 1134 |

SERM9

Variable name: SERM9

Description: Selective Estrogen Receptor Modulator (SERMs) use at Exam 9

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 1486 |
| 1 | Yes, now | 74 |
| | Unknown | 1385 |

SERM10

Variable name: SERM10

Description: Selective Estrogen Receptor Modulator (SERMs) use at Exam 10

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 0 | No | 946 |
| 1 | Yes, now | 9 |
| • | Unknown | 1956 |

OVREM1

Variable name: OVREM1

Description: Report of number of ovaries removed, cumulative at Exam 1

| Code or Value | Description | Count |
|---------------|---------------------|-------|
| 0 | No ovaries removed | 2442 |
| 1 | One ovary removed | 94 |
| 2 | Two ovaries removed | 95 |
| • | Unknown | 280 |

OVREM2

Variable name: OVREM2

Description: Report of number of ovaries removed, cumulative at Exam 2

| Code or Value | Description | Count | |
|---------------|---------------------|-------|--|
| 0 | No ovaries removed | 1743 | |
| 1 | One ovary removed | 115 | |
| 2 | Two ovaries removed | 129 | |
| | Unknown | 924 | |

OVREM3

Variable name: OVREM3

Description: Report of number of ovaries removed, cumulative at Exam 3

| Code or Value | Description | Count |
|---------------|---------------------|-------|
| 0 | No ovaries removed | 1709 |
| 1 | One ovary removed | 133 |
| 2 | Two ovaries removed | 153 |
| | Unknown | 916 |

OVREM4

Variable name: OVREM4

Description: Report of number of ovaries removed, cumulative at Exam 4

| Code or Value | Description | Count | |
|---------------|---------------------|-------|--|
| 0 | No ovaries removed | 1741 | |
| 1 | One ovary removed | 150 | |
| 2 | Two ovaries removed | 181 | |
| | Unknown | 839 | |

OVREM5

Variable name: OVREM5

Description: Report of number of ovaries removed, Exam 5 (Cumulative Gen 2, at-exam Omni

1)

| Code or Value | Description | Count |
|---------------|---------------------|-------|
| 0 | No ovaries removed | 1837 |
| 1 | One ovary removed | 164 |
| 2 | Two ovaries removed | 239 |
| | Unknown | 671 |

OVREM6

Variable name: OVREM6

Description: Report of number of ovaries removed, cumulative at Exam 6

| Code or Value | Description | Count | |
|---------------|---------------------|-------|--|
| 0 | No ovaries removed | 1481 | |
| 1 | One ovary removed | 148 | |
| 2 | Two ovaries removed | 230 | |
| | Unknown | 1052 | |

OVREM7

Variable name: OVREM7

Description: Report of number of ovaries removed, Exam 7 (Cumulative Gen 2, at-exam Omni

1)

Ovary Removal

| Code or Value | Description | Count | |
|---------------|---------------------|-------|--|
| 0 | No ovaries removed | 1672 | |
| 1 | One ovary removed | 174 | |
| 2 | Two ovaries removed | 258 | |
| | Unknown | 807 | |

OVREM8

Variable name: OVREM8

Description: Report of number of ovaries removed, Exam 8 (Cumulative Gen 2, at-exam Omni

1)

| Code or Value | Description | Count |
|---------------|---------------------|-------|
| 0 | No ovaries removed | 1426 |
| 1 | One ovary removed | 149 |
| 2 | Two ovaries removed | 242 |
| | Unknown | 1094 |

OVREM9

Variable name: OVREM9

Description: Report of number of ovaries removed at Exam 9

| Code or Value | Description | Count | |
|---------------|---------------------|-------|--|
| 0 | No ovaries removed | 1414 | |
| 1 | One ovary removed | 9 | |
| 2 | Two ovaries removed | 34 | |
| • | Unknown | 1454 | |

Note: This variable represents number of ovaries removed Exam 9 only.

OVREM10

Variable name: OVREM10

Description: Report of number of ovaries removed at Exam 10

Ovary Removal

| Code or Value | Description | Count |
|---------------|---------------------------|-------|
| 0 | No ovaries removed | 925 |
| 1 | One ovary removed | 1 |
| 2 | Two ovaries removed | 25 |
| 3 | Unknown number of ovaries | 1 |
| | Unknown | 1959 |

Note: This variable represents number of ovaries removed Exam 9 only.