SECTION D
Sterilizing Operations and Impaired Fecundity

VARIABLES IMPORTED FROM EARLIER SECTIONS:

CMBIRTH	CM FOR R'S DATE OF BIRTH (FROM A)
CMINTVW	CM FOR DATE OF INTERVIEW (FROM A)
CMJAN4YR	CM FOR THE JANUARY FOUR YEARS PRIOR TO CURRENT YEAR ("LAST 4 YEARS") (FROM A)
CMJAN5YR	CM FOR THE JANUARY FIVE YEARS PRIOR TO CURRENT YEAR ("LAST 5 YEARS") (FROM A)
CMLSTYR	CM OF INTERVIEW - 1 YR (FROM A)
CMLSTYR_FILL	MO/YR FILL FOR CMLSTYR (FROM A)
THREEYRS_FILL	YEAR FILL FOR YEAR OF INTERVIEW - 3 YR (FROM A)
MARSTAT	R'S INFORMAL MARITAL STATUS (AB-1)
FMARIT	R'S FORMAL MARITAL STATUS (BASED ON MARSTAT & FMARSTAT)
CURRPREG	WHETHER R IS CURRENTLY PREGNANT (FROM B)
EVERPREG	WHETHER R HAS EVER BEEN PREGNANT (FROM B)
HASBABES	WHETHER R HAS HAD ANY LIVE BIRTHS (FROM B)
CMPBEG_S[X]	CM FOR DATE WHEN EACH PREGNANCY BEGAN (INCL. CURR PREG) (FROM B)
CHPNAME	NAME FILL FOR R'S CURRENT HUSBAND OR COHABITING PARTNER (FROM C)
CMDOBCH	CM FOR R'S CURRENT HUSBAND'S DOB (FROM C)
CMDOBCP	CM FOR R'S CURRENT COHAB PARTNER'S DOB (FROM C)
CMMARRCH	CM FOR WHEN R MARRIED HER CURRENT HUSBAND (FROM C)
CMSTRTHP	CM FOR WHEN R BEGAN LIVING WITH CURRENT HUSBAND OR COHAB PARTNER (FROM C)

VARIABLES CREATED IN THIS SECTION & OUTPUT TO DATA FILE

OPERTUBL	FILL FOR TUBAL STERILIZATION EXPERIENCE (FC D-1)
OPERHYST	FILL FOR HYSTERECTOMY EXPERIENCE (FC D-1)
OPEROVEC	FILL FOR OVARY REMOVAL EXPERIENCE (FC D-1)
OPEROTHR	FILL FOR OTHER STERILIZING OPERATION EXPERIENCE (FC D-1)
OPERMALE	FILL FOR MALE STERILIZING OPERATION EXPERIENCE OF CURRENT H/P (FC D-1)
ANYFSTER	R EVER HAD A STERILIZING OPERATION OR PROCEDURE (REGARDLESS OF LATER REVERSAL) (FC D-5)
ANYTUBAL	R EVER HAD A TUBAL STERILIZATION, REGARDLESS OF LATER REVERSAL (FC D-5)
HYST	R SURGICALLY STERILE AT INTERVIEW DUE TO HYSTERECTOMY (FC D-5)
OVAREM	R SURGICALLY STERILE AT INTERVIEW DUE TO OVARY REMOVAL (FC D-5)
OTHR	R SURGICALLY STERILE AT INTERVIEW DUE TO OTHER FEMALE OPERATION (FC D-5)
ANYMSTER	R'S CURRENT H/P EVER HAD A STERILIZING OPERATION (REGARDLESS OF LATER REVERSAL) (FC D-7)
ANYVAS	R EVER HAD A VASECTOMY, REGARDLESS OF LATER REVERSAL (FC D-7).
OTHRM	R's current husband or cohabiting partner ever had any other sterilizing operation (FC D-7)
CMTUBLIG	CM FOR R'S TUBAL LIGATION/STERILIZATION (FC D-8)
CMHYST	CM FOR R'S HYSTERECTOMY (FC D-8)
CMOVAREM	CM FOR R'S OVARY REMOVAL (FC D-8)
CMOTSURG	CM FOR R'S OTHER STERILIZING OPERATION (FC D-8)
CMOPER1	CM FOR R'S 1ST (OR ONLY) STERILIZING OPERATION OR PROCEDURE (FC D-13)
CMMALEOP	CM FOR R'S STERILIZING OPERATION (FC D-16)
CMLIGREV	CM FOR R'S REVERSAL OF TUBAL STERILIZATION (FC D-20)
CMVASREV	CM FOR R'S CURRENT H/P'S REVERSAL OF VASECTOMY (FC D-21B)
TUBS	R SURGICALLY STERILE AT INTERVEW DUE TO TUBAL STERILIZATION, EITHER UNREVERSED OR REVERSAL FAILURE (FC D-22)
RSURGSTR	WHETHER R IS SURGICALLY STERILE AT INTERVIEW (FC D-22)
VASECT	R'S CURRENT H/P SURGICALLY STERILE AT INTERVEW DUE TO VASECTOMY, EITHER UNREVERSED OR REVERSAL FAILURE (FC D-22)
PSURGSTR	WHETHER R'S CURRENT H/P IS SURGICALLY STERILE AT INTERVIEW (FC D-22)
ONLYTBVS	WHETHER R & H/P'S ONLY STERILIZING OPERATIONS ARE TUBAL STERILIZATION OR VASECTOMY (FC D-22)
RSTRSTAT	R'S STERILITY STATUS (FC D-33)
PSTRSTAT	R'S CURRENT H/P'S STERILITY STATUS (FC D-33)

VARIABLES CREATED IN THIS SECTION & ARE NOT OUTPUT TO DATA FILE:

CMTUBLIG_FILL	MO/YR FILL FOR CMTUBLIG (FC D-9)
CMHYST_FILL	MO/YR FILL FOR CMHYST (FC D-9)
CMOVAREM_FILL	MO/YR FILL FOR CMOVAREM (FC D-9)
CMOTSURG_FILL	MO/YR FILL FOR CMOTSURG (FC D-9)
CMMALEOP_FILL	MO/YR FILL FOR CMMALEOP (FC D-16B)

STERILIZATION OPERATIONS (DA)

FLOW CHECK D-1:   INITIALIZE FILLS FOR SPECIFIC OPERATIONS:

OPERTUBL = blank (no tubal sterilization)
OPERHYST = blank (no hysterectomy)
OPEROVEC = blank (no ovary removal)
OPEROTHR = blank (no other sterilizing operation)
OPERMALE = blank (no current H/P or no male operation)

INTRO_D1
INTRO-D1.   IF HASBABES = NO, SAY:
The next questions are about your physical ability to have a baby.

ELSE IF HASBABES = YES, SAY:
The next questions are about your physical ability to have another baby.

⬧ *ENTER [1] to continue*

{ Asked for all Rs
EVERTUBS
DA-1. Have you ever had <u>both</u> of your tubes tied, cut, or removed? This procedure is often called a tubal ligation or tubal sterilization.

[HELP AVAILABLE]

YES.................................1
If vol: Operation failed 3
If vol: Had Essure® procedure 4
NO..................................5
If vol: Operation already reversed ..6

ESSURE
DA-1b.   IF DA-1 EVERTUBS= 3 or 5 or DK or RF, THEN ASK:
Have you ever had a tubal sterilization procedure called "Essure®"? This is not generally considered an operation, but makes it impossible for you to have a baby.

[HELP AVAILABLE]

Yes 1
No 5

FLOW CHECK D-2:   IF DA-1 EVERTUBS = 1 or 4 or 6 or DA-1b ESSURE = 1, SET OPERTUBL = "tubal sterilization";
ELSE IF EVERTUBS = 3 or 5 or DK or RF OR ESSURE = 5 or DK or RF, RETAIN OPERTUBL = blank.

IF CURRPREG = NO, ASK DA-2 EVERHYST.
ELSE IF CURRPREG = YES, GO TO DA-4 EVEROTHR.

{ Asked if R is not currently pregnant
EVERHYST
DA-2. Have you ever had a hysterectomy, that is, surgery to <u>remove</u> your uterus?

Yes ....1 (SET OPERHYST = "hysterectomy")

                              No 5

{ Asked if R is not currently pregnant
EVEROVRS
DA-3. Have you ever had <u>both</u> of your ovaries removed?

[HELP AVAILABLE]

                    Yes ....1 (SET OPEROVEC = "ovaries removed")
                    No 5

{ Asked for all Rs
EVEROTHR
DA-4. IF HASBABES = YES OR CURRPREG = YES, ASK:
     Have you ever had any <u>other</u> operation that makes it impossible for you to
     have another baby?

     ELSE IF HASBABES = NO AND CURRPREG = NO, ASK:
     Have you ever had any <u>other</u> operation that makes it impossible for you to
     have a baby?

                    Yes 1
                    No ....5 (FLOW CHECK D-5)

WHTOOPRS
DA-5. IF HASBABES = YES, ASK:
     What operation did you have that makes it impossible for you to have
     another baby? If you do not know its name, please describe the operation.

     ELSE IF HASBABES = NO, ASK:
     What operation did you have that makes it impossible for you to have a
     baby? If you do not know its name, please describe the operation.

[HELP AVAILABLE]

          * *Record answer verbatim*

          TYPE: STRING[200]
WHTOOPRC
DA-5a.   ☑ *Interviewer Checkpoint*

          * *Record if any of the following mentioned:*

          Operation affects only one tube...1
          Operation affects only one ovary..2
          Some other operation..............3
          Other sterilizing operation.......4

**FLOW CHECK D-3:   IF DA-5a WHTOOPRC = 1 or 2, ASK DA-6 ONOTFUNC.
               ELSE IF WHTOOPRC = 3, GO TO DA-7 DFNLSTRL.
               ELSE IF WHTOOPRC = 4, SET OPEROTHR = "operation that made it
               impossible for you to have a baby" AND GO TO FLOW CHECK D-5.**

ONOTFUNC
DA-6. IF DA-5a WHTOOPRC = 1 (AFFECTS ONLY ONE TUBE), SET OPEROTHR = "tube tied"
     AND ASK:
     Many women who have only one tube tied can still have babies because they
     are not <u>completely sterile</u>. As far as you know, are you completely sterile
     from this operation, that is, does it make it impossible for you to have a

baby in the future?

ELSE IF DA-5a WHTOOPRC = 2 (AFFECTS ONLY ONE OVARY), SET OPEROTHR = "ovary removed" AND ASK:
Many women who have only one ovary removed can still have babies because they are not <u>completely sterile</u>. As far as you know, are you completely sterile from this operation, that is, does it make it impossible for you to have a baby in the future?

                    Yes 1
                    No 5

FLOW CHECK D-4: **IF DA-6 ONOTFUNC = 5, DK, or RF, RESET OPEROTHR = blank AND GO TO FLOW CHECK D-5.**
ELSE IF ONOTFUNC = 1, GO TO FLOW CHECK D-5.

{ Asked if WHTOOPRC = 3 (some other operation)
DFNLSTRL
DA-7. As far as you know, are you completely sterile from this operation, that is, does it make it impossible for you to have a baby in the future?

          Yes....1   (SET OPEROTHR = "operation that made it impossible
                        for you to have a baby")
          No.....5

FLOW CHECK D-5: **COMPUTE ANYTUBAL ("Whether R has ever had a tubal sterilization, regardless of reversal"):**

INITIALIZE ANYTUBAL = blank (sysmis). (This will include cases with DK/RF on both EVERTUBS and ESSURE.)

IF DA-1 EVERTUBS = 1, 4, or 6 or DA-1b ESSURE = 1, THEN SET ANYTUBAL = 1 (yes).

ELSE IF (EVERTUBS = 3 or 5) and ESSURE = 5, THEN ANYTUBAL = 5 (no).

COMPUTE HYST ("R is surgically sterile at interview due to hysterectomy"):

INITIALIZE HYST = 5 (no).
(HYST will remain no if CURRPREG=1 or if EVERHYST=no, dk/rf)
IF DA-2 EVERHYST = 1, THEN SET HYST = 1 (YES).

COMPUTE OVAREM ("R is surgically sterile at interview due to ovary removal"):

INITIALIZE OVAREM = 5 (no).
(OVAREM will remain no if CURRPREG=1 or if EVEROVRS=no, dk/rf)
IF DA-3 EVEROVRS = 1, THEN SET OVAREM = 1 (YES).

COMPUTE OTHR ("R is surgically sterile at interview due to other female operation"):

INITIALIZE OTHR = 5 (no).
(OTHR will remain no if dk/rf on WHTOOPRC, ONOTFUNC, and DFNLSTRL)
IF (DA-5a WHTOOPRC = 1 or 2 and DA-6 ONOTFUNC = 1) or

                              (WHTOOPRC = 3 and DA-7 DFNLSTRL = 1) or
                              (WHTOOPRC = 4), then set OTHR = 1 (yes).

                    COMPUTE ANYFSTER:
                    ("Whether R has had any sterilizing operations or procedures,
                    regardless of later reversal")

                        IF ANYTUBAL=1 or HYST=1 or OVAREM=1 or OTHR=1,
                            THEN ANYFSTER = 1 (YES).
                        ELSE IF ANYTUBAL=5 and HYST=5 and OVAREM=5 and OTHR=5,
                            THEN ANYFSTER = 5 (NO).

                    IF AD-7b MARSTAT=1 or 2, ASK DA-8 ANYOPSMN.
                    ELSE, GO TO FLOW CHECK D-7.

ANYOPSMN
DA-8. Has (CHPNAME) ever had a vasectomy or any other operation that would make
      it impossible for him to father a baby in the future?

[HELP AVAILABLE]

                    Yes 1
                    No ....5 (Flow Check D-7)

WHATOPSM
DA-9. What type of operation did (CHPNAME) have?

                    Vasectomy 1
                    Other operation 2
                    If vol: Operation failed 5
                    If vol: Operation already reversed 6

FLOW CHECK D-6:   **IF DA-9 WHATOPSM = 2, ASK DA-10 DFNLSTRM.**
                    ELSE IF WHATOPSM = 1 or 6, SET OPERMALE = "vasectomy" AND GO TO
                    FLOW CHECK D-7.
                    ELSE IF WHATOPSM = 5 or DK or RF, GO TO FLOW CHECK D-7.

DFNLSTRM
DA-10.   As far as you know, is he completely sterile from this operation,
            that is, does it make it impossible for him to father a baby in the
            future?

                    Yes......1 (SET OPERMALE = "sterilizing operation")
                    No.......5

FLOW CHECK D-7:   **COMPUTE ANYMSTER:**
                    ("Whether R's current husband or cohabiting partner has had a
                    sterilizing operation, regardless of later reversal")

                        IF AD-7b MARSTAT NE 1 or 2, THEN ANYMSTER = blank
                        (inapp).
                        ELSE IF MARSTAT = 1 or 2, INITIALIZE ANYMSTER = 5 (no).
                        IF MARSTAT = 1 or 2 and DA-9 WHATOPSM = 1, 2, or 6,
                            THEN ANYMSTER = 1 (yes).

                    COMPUTE ANYVAS ("R ever had a vasectomy, regardless of later
                    reversal"):

                        IF AD-7B MARSTAT NE 1 OR 2, THEN ANYVAS = BLANK/INAPP.

ELSE IF MARSTAT = 1 OR 2, INITIALIZE ANYVAS = 5 (no)
        (ANYVAS will remain no if ANYMSTER = no or 5 or
        DK/RF on WHATOPSM)

IF MARSTAT = 1 or 2 and DA-9 WHATOPSM = 1 OR 6,
        THEN SET ANYVAS = 1 (yes).

COMPUTE OTHRM ("R's current husband or cohabiting partner ever
        had any other sterilizing operation"):

        If AD-7b MARSTAT NE 1 OR 2, THEN OTHRM =
        BLANK/INAPP.
        ELSE IF DA-9 WHATOPSM=2 AND DA-10 DFNLSTRM=1,
        THEN OTHRM = 1 (YES)
        ELSE OTHRM = 2 (NO)

OPERATION BY OPERATION SERIES (DB)

FLOW CHECK D-8:   INITIALIZE CENTURY MONTH VARIABLES FOR OPERATION DATES:

        CMTUBLIG = blank
        CMHYST = blank
        CMOVAREM = blank
        CMOTSURG = blank

        IF ANYFSTER = YES, ASK DB SERIES FOR EACH FEMALE OPERATION R
        REPORTED (based on values of 1 (yes) on ANYTUBAL, HYST, OVAREM,
        and OTHR). USE FILLS AS APPROPRIATE WHERE YOU SEE OPER####;
        #### indicates TUBL, HYST, OVEC, OTHR.

        As in prior NSFG years, we map specific operations to
        particular loops:
            1st loop = tubal sterilization
            2nd loop = hysterectomy
            3rd loop = ovary removal
            4th loop = other female operation.

        ELSE IF ANYFSTER = NO, GO TO FLOW CHECK D-15.

DATFEMOP_M
① of ②
DB-1. When did you have your [OPER####]?

        ◆ *If R cannot recall month and year, refer her to the life history
        calendar.*

        ◆ *PROBE for season if DK month*

        ◆ *If R had tubes tied or ovaries removed in 2 separate operations,
        record month/year for most recent operation. This is the date when
        she became completely sterile.*
        ◆ *ENTER MM/YYYY*

[CALENDAR REFERENCE]
[HELP AVAILABLE]

1. January	5. May	9. September	13. Winter
2. February	6. June	10. October	14. Spring
3. March	7. July	11. November	15. Summer

       4. April   8. August   12. December   16. Fall

DATFEMOP_Y
② *of* ②
DB-1. *(When did you have your [OPER##RS]?)*

[CALENDAR REFERENCE]
[HELP AVAILABLE]

> • *After R has given the year, say:* Please record this operation in
> the box for this month and year on the "Birth Control Methods" row of
> your calendar. You might use "TS" or some other abbreviation that
> you will recognize later. If this happened before [THREEYRS_FILL],
> please record it in the box for "before [THREEYRS_FILL]".

> • *ENTER (DATFEMOP_M)/YYYY*

> UNDERLYING RANGE: 1966 to 2020

FLOW CHECK D-9:   COMPUTE CM VARIABLE FOR SPECIFIC OPERATION:

    IF OPERATION BEING DESCRIBED IS TUBAL STERILIZATION,
        COMPUTE CMTUBLIG AND ESTABLISH CMTUBLIG_FILL.

    IF OPERATION BEING DESCRIBED IS HYSTERECTOMY,
        COMPUTE CMHYST AND ESTABLISH CMHYST_FILL.

    IF OPERATION BEING DESCRIBED IS OVARY REMOVAL,
        COMPUTE CMOVAREM AND ESTABLISH CMOVAREM_FILL.

    IF OPERATION BEING DESCRIBED IS OTHER STERILIZING OPERATION,
        COMPUTE CMOTSURG AND ESTABLISH CMOTSURG_FILL.

        SET CM Variable = null/blank.

        IF DATFEMOP_Y = RF, SET CM variable = 9998 (RF)
        ELSE IF DATFEMOP_Y = DK, SET CM variable = 9999 (DK).

        ELSE IF DATFEMOP_M LE 12,
        COMPUTE CM Variable = (DATFEMOP_Y - 1900)*12 +
                                    DATFEMOP_M)

        ELSE IF 13 LE DATFEMOP_M LE 16, USE MONTH APPROPRIATE TO
        SEASON & COMPUTE CM variable as above.

        ELSE IF DATFEMOP_M = DK OR RF, ASSIGN MONTH = 6 (June) &
        COMPUTE CM variable as above.

EDIT CHECK DB1_1:   IF (DATFEMOP_M LE 12) AND CM Variable > CMINTVW, DISPLAY:
                 The date entered cannot be after the date of interview.
                 Please correct.
                 HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB1_2:   IF (DATFEMOP_M LE 12) AND CM Variable < CMBIRTH, DISPLAY:
                 The date entered cannot be before her date of birth.
                 Please correct.
                 HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB1_3:   IF (13 LE DATFEMOP_M LE 16) AND CM Variable > (CMINTVW + 2), DISPLAY: **The** date entered cannot be after the date of interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB1_4:   IF (13 LE DATFEMOP_M LE 16) AND CM Variable < (CMBIRTH - 3), DISPLAY: The date entered cannot be before her date of birth. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB1_5:   IF (DATFEMOP_M = DK OR RF) AND DATFEMOP_Y > (CMINTVW/12 +1900), DISPLAY: **The** date entered cannot be after the date of interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB1_6:   IF (DATFEMOP_M = DK OR RF) AND DATFEMOP_Y < (CMBIRTH/12 +1900)- 1, DISPLAY: The date entered cannot be before her date of birth. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB1_7: PROBE IF CM VARIABLE FOR ANY PERMANENT OPERATION REPORTED CLASHES WITH THE START DATE OF ANY PREGNANCY REPORTED.

PERMANENT STERILIZING OPERATION VARIABLES:
CMHYST
CMOVAREM
CMOTSURG

PREGNANCY START DATES = CMPBEG_S[X]

IF CMHYST NE BLANK, PROBE IF ANY CMPBEG_S[X] > CMHYST.
IF CMOVAREM NE BLANK, PROBE IF ANY CMPBEG_S[X] > CMOVAREM.
IF CMOTSURG NE BLANK, PROBE IF ANY CMPBEG_S[X] > CMOTSURG.
DISPLAY TEXT FOR EACH OF THESE: R has reported becoming pregnant <u>after</u> she had a sterilizing operation or procedure that is generally considered to be irreversible. Please correct whichever item has been entered incorrectly.
INVOLVING (DATFEMOP_M, DATFEMOP_Y)

FLOW CHECK D-9b: IF DATE OF OPERATION (CMTUBLIG, CMHYST, CMOVAREM, OR CMOTSURG) GE CMJAN5YR, ASK DB-2 PLCFEMOP.
ELSE IF CM VARIABLE LT CMJAN5YR, GO TO FLOW CHECK D-12.

{ Asked for each operation within last 5 years
PLCFEMOP
DB-2. Looking at Card 25, please tell me where this operation was performed.

[SHOW CARD 25]

```
        Private doctor's office..............................1
        HMO facility ........................................2
        Community health clinic, community clinic,
          public health clinic ..............................3
        Family planning or Planned Parenthood clinic .......4
        Employer or company clinic .........................5
        School or school-based clinic ......................6
        Hospital outpatient clinic .........................7
        Hospital emergency room ............................8
        Hospital regular room ..............................9
        Urgent care center, urgi-care, or walk-in facility ..10
```

                In-store health clinic (like CVS, Target,
                or Walmart)...11
                Some other place 20

PAYRSTER

DB-2b.   Looking at Card 16, please tell me all of the ways in which the bill
            for this operation was paid.

            ◆ *PROBE: "Any other ways?"*
            ◆ *If R volunteers that still owes, ask:* "How do you think that the
            bill will be paid?"
            ◆ *ENTER all that apply*
            ◆ *Press [Space] or [-] to separate responses*

[SHOW CARD 16]
[HELP AVAILABLE]

                    Insurance 1
                    Co-payment or out-of-pocket payment 2
                    Medicaid 3
                    No payment required 4
                    Some other way 5

RHADALL

DB-3a.   IF CM VARIABLE FOR OPERATION = blank, DK, OR RF, OR MONTH OF
            OPERATION WAS REPORTED AS A SEASON, ASK:
            At the time you had your (OPER####), had you, yourself, had all the
            children you wanted?

            ELSE IF CM VARIABLE FOR OPERATION DATE LT 9996, ASK:
            At the time you had your (OPER####) in (fill for operation CM), had
            you, yourself, had all the children you wanted?

                    Yes 1
                    No 5

HHADALL

DB-3b.   IF AD-7b MARSTAT=1 (married) AND (CM for operation GE CMSTRTHP), ASK:
            And what about your husband? At the time you had your (OPER####),
            had he had all the children he wanted?

            ELSE IF AD-7b MARSTAT=2 (cohabiting) AND (CM for operation GE
            CMSTRTHP), ASK:
            And what about your partner? At the time you had your (OPER####),
            had he had all the children he wanted?

            ELSE IF FMARIT = 1, 2, 3, or 4, ASK:
            And what about your husband or partner at the time? At the time you
            had your (OPER####), had he had all the children he wanted?

            ELSE IF FMARIT = 0 or 5, ASK:
            And what about your partner at the time? At the time you had your
            (OPER####), had he had all the children he wanted?

                    Yes 1
                    No 5
                    If vol: R was not in a relationship with
                    a man at the time she had this operation 6

FMEDREAS

DB-4. Please look at Card 26. Did you have any of these medical reasons for
      having your (OPER####)?

> ◆ *PROBE*: "Any other reasons?"
> ◆ *ENTER all that apply*
> ◆ *Press [Space] or [-] to separate responses*

[SHOW CARD 26]

           Medical problems with your female organs..........1
           Pregnancy would be dangerous to <u>your</u> health.......2
           You would probably lose a pregnancy..............3
           You would probably have an unhealthy child.......4
           Some other medical reason 5
           No medical reason for operation 6

EDIT CHECK DB4_1:   **IF FMEDREAS = 6 AND ANY OTHER CODE DISPLAY:** You cannot
                            choose "No medical reason for operation" in conjunction
                            with any other answers. Verify with R and re-enter.
                            HARD, NONSUPPRESSIBLE EDIT CHECK.

BCREAS

DB-5a.   IF DB-3B HHADALL NE 6 AND AD-7B MARSTAT=1 AND (CM FOR OPERATION GE
           CMSTRTHP), ASK:
           At the time you had your (OPER####), had you or your husband been
           having problems with your method or methods of birth control?

           IF DB-3B HHADALL NE 6 AND AD-7B MARSTAT=2 AND (CM FOR OPERATION GE
           CMSTRTHP), ASK:
           At the time you had your (OPER####), had you or your partner been
           having problems with your method or methods of birth control?

           ELSE IF DB-3b HHADALL NE 6, ASK:
           At the time you had your (OPER####), had you or your husband or
           partner been having problems with your method or methods of birth
           control?

           ELSE IF DB-3b HHADALL = 6, ASK:
           At the time you had your (OPER####), had you been having problems
           with your method or methods of birth control?

                 Yes 1
                 No ....5 (FLOW CHECK D-11)
                 No, not using any method at the time ....6 (FLOW CHECK D-11)

BCWHYF

DB-5b.   Was there a health or medical problem with the method of birth
           control you or he was using, or did you not like the method for some
           other reason?

[HELP AVAILABLE]
                 Health or medical problem 1
                 Some other reason 2
                 Both 3

FLOW CHECK D-11:   **IF MORE THAN ONE REASON GIVEN ACROSS RHADALL, HHADALL,
                       FMEDREAS, AND BCREAS, ASK DB-6 MINCDNNR. ELSE, GO TO FLOW
                       CHECK D-12.**

MINCDNNR

DB-6. You mentioned that the reasons for your [OPER####] were that... [ONLY DISPLAY REASONS THAT R REPORTED ABOVE]. Which one of these was the <u>main</u> reason that you had your [OPER####]?

> ◆ *ENTER [3] if <u>any</u> medical reasons reported as her <u>main</u> reason.*
> ◆ *ENTER [5] if R reports that her <u>main</u> reason was something other than a reason she reported previously.*
> ◆ *READ list of all mentioned above*

> You had all the children you wanted 1
> Your husband or partner had all the children he wanted .2
> Medical reasons 3
> Problems with other methods of birth control 4
> Some other reason not mentioned above 5

FLOW CHECK D-12: IF MORE FEMALE OPERATIONS TO ASK ABOUT, RETURN TO FLOW CHECK D-8. ELSE IF ALL FEMALE OPERATIONS HAVE BEEN DESCRIBED, GO TO FLOW CHECK D-13.

FLOW CHECK D-13: COMPUTE CMOPER1:
(CM date for R's first (or only) sterilizing operation or procedure)

> IF ANYFSTER = NO, THEN CMOPER1 = null/blank.

> ELSE IF ANYFSTER = YES, THEN CMOPER1 = (earliest value of CMTUBLIG, CMHYST, CMOVAREM, & CMOTSURG).

FLOW CHECK D-14: IF ANY CM DATES FOR FEMALE STERILIZING OPERATIONS ARE THE SAME (BUT NOT EQUAL TO 9997, 9998, OR 9999), ASK DB-6b OPERSAME. (Check CMTUBLIG, CMHYST, CMOVAREM, & CMOTSURG.) ELSE GO TO FLOW CHECK D-15.

OPERSAME

DB-6b. Did you have the (ALL OPER#### WITH SAME CM VALUES) in the same operation in (CM FOR OPERATION DATE), or were these separate operations?

> Same operation 1
> Separate operations 5

FLOW CHECK D-15: IF OPERMALE NE BLANK, ASK DB-7 DATEOPMN_M. ELSE IF OPERMALE = BLANK, GO TO FLOW CHECK D-19.

DATEOPMN_M

① of ②

DB-7. When did [CHPNAME] have his [OPERMALE]?

> ◆ *If R cannot recall month and year, refer her to the life history calendar.*

> ◆ *ENTER MM/YYYY*
> ◆ *PROBE for season if DK month*

[CALENDAR REFERENCE]

1. January	5. May	9. September	13. Winter
2. February	6. June	10. October	14. Spring
3. March	7. July	11. November	15. Summer
4. April	8. August	12. December	16. Fall

DATEOPMN_Y
② of ②
DB-7. *(When did [CHPNAME] have his [OPERMALE]?)*

[CALENDAR REFERENCE]

⬩ *After R has given the year, say:* Please record this operation in the box for this month and year on the "Birth Control Methods" row of your calendar. You might use "V" or some other abbreviation that you will recognize later. If this happened before [THREEYRS_FILL], please record it in the box for "before [THREEYRS_FILL]"

⬩ *ENTER (DATEOPMN_M)/YYYY*

UNDERLYING RANGE: 1931 to 2020

FLOW CHECK D-16: **COMPUTE CMMALEOP:**
(Century month for date of male sterilizing operation)

SET CMMALEOP = null/blank.

IF DATEOPMN_Y = RF, SET CMMALEOP = 9998 (RF).
ELSE IF DATEOPMN_Y = DK, SET CMMALEOP = 9999 (DK).

ELSE IF DATEOPMN_M LE 12,
COMPUTE CMMALEOP = (DATEOPMN_Y - 1900)*12 + DATEOPMN_M

ELSE IF 13 LE DATEOPMN_M LE 16, USE MONTH APPROPRIATE TO SEASON & COMPUTE CMMALEOP as above.

ELSE IF DATEOPMN_M = DK OR RF, ASSIGN MONTH = 6 (June) & COMPUTE CMMALEOP as above.

EDIT CHECK DB7_1: **IF (DATEOPMN_M LE 12) AND CMMALEOP > CMINTVW, DISPLAY: The** date entered cannot be after the date of interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB7_2: **IF (13 LE DATEOPMN_M LE 16) AND CMMALEOP > (CMINTVW + 2), DISPLAY: The** date entered cannot be after the date of interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB7_3: **IF (DATEOPMN_M = DK OR RF) AND DATEOPMN_Y > (CMINTVW/12 +1900), DISPLAY: The** date entered cannot be after the date of interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DB7_4: **PROBE IF CMMALEOP < CMDOBCH OR CMMALEOP < CMDOBCP.**
DISPLAY TEXT: R has reported that her husband/partner's operation occurred earlier than his date of birth. Has one of the dates been entered incorrectly?
INVOLVING(DATEOPMN_M, DATEOPMN_Y)

**FLOW CHECK D-16b: IF CMMALEOP GE CMJAN5YR OR CMMALEOP=DK/RF OR DATEOPMN=13, 14, 15, or 16, GO TO FLOW CHECK D-17.
ELSE IF CMMALEOP LT CMJAN5YR AND 1 LE DATEOPMN_M LE 12, ESTABLISH FILL FOR CMMALEOP (CMMALEOP_FILL) AND GO TO FLOW CHECK D-19.**

FLOW CHECK D-17: IF CMMALEOP GE CMMARRCH (CM date of marriage to current husband) AND CMMALEOP NE DK/RF AND CMMARRCH NE DK/RF, GO TO DB-9 PLACOPMN. ELSE, ASK DB-8 WITHIMOP.

{ Asked if operation occurred before R married this man or R is currently
{ cohabiting with this man, and this operation occurred within the last 5 years
WITHIMOP
DB-8. You may have already told me this, but did he have his [OPERMALE] before you were in a relationship with him?

[HELP AVAILABLE]

                    Yes 1
                    No 5

**FLOW CHECK D-17b: IF DB-8 WITHIMOP = 1 and cmmaleop = 9998 or 9999 THEN ASK DB-8b VASJAN4YR.
ELSE IF WITHIMOP = 1 and cmmaleop < 9998, GO TO DB-9 PLACOPMN.
ELSE IF WITHIMOP = 5, DK, or RF, GO TO FLOW CHECK D-19.**

{ Ask if WITHIMOP=1 and cmmaleop=dk/rf:
VASJAN4YR
DB-8b.   Did he have his [OPERMALE] since [cmjan4yr_fill]?

                    Yes 1
                    No .... 5 (Flow Check D-19)

PLACOPMN
DB-9. Looking at Card 25, please tell me where this operation was performed.

[SHOW CARD 25]

                Private doctor's office.............................1
                HMO facility 2
                Community health clinic, community clinic,
                   public health clinic 3
                Family planning or Planned Parenthood clinic 4
                Employer or company clinic 5
                School or school-based clinic 6
                Hospital outpatient clinic 7
                Hospital emergency room 8
                Hospital regular room 9
                Urgent care center, urgi-care, or walk-in facility...10
                In-store health clinic (like CVS, Target, or Walmart).11
                Some other place 20

PAYMSTER
DB-10.   Looking at Card 16, please tell me all of the ways in which the bill for [CHPNAME]'s operation was paid.

               ♦ *PROBE:* "Any other ways?"
               ♦ *If R volunteers that still owes, ask: "How do you think that the bill will be paid?"*

> ◆ *ENTER all that apply*
> • *Press [Space] or [-] to separate responses*

[SHOW CARD 16]
[HELP AVAILABLE]

```
Insurance .....................................1
Co-payment or out-of-pocket payment ..........2
Medicaid .....................................3
No payment required ..........................4
Some other way ...............................5
```

RHADALLM

DB-11a.   IF CMMALEOP = blank, DK, or RF OR IF 13 LE DATEOPMN_M LE 16, ASK:
At the time [CHPNAME] had his [OPERMALE], had you, yourself, had all the children you wanted?

ELSE IF CMMALEOP LT 9996, ASK:
At the time [CHPNAME] had his [OPERMALE] in (CMMALEOP_FILL), had you, yourself, had all the children you wanted?

```
Yes ........1
No .........5
```

HHADALLM

DB-11b.   And what about him? At the time he had his [OPERMALE], had he had all the children he wanted?

```
Yes ........1
No .........5
```

MEDREAS

DB-12.   Please look at Card 27. Did he have any of these medical reasons for having his (OPERMALE)?

> ◆ *PROBE*: "Any other reasons?"
> ◆ *ENTER all that apply*
> ◆ *Press [Space] or [-] to separate responses*

[SHOW CARD 27]
[HELP AVAILABLE]

```
Pregnancy would be dangerous to your health..........1
You would probably lose a pregnancy..................2
You would probably have an unhealthy child...........3
He had health problem that required the operation....4
Some other medical reason............................5
No medical reason for operation......................6
```

EDIT CHECK DB12_1:   **IF MEDREAS = 6 AND ANY OTHER CODE DISPLAY: You** cannot choose "No medical reason for operation" in conjunction with any other answers. Verify with R and re-enter. **HARD, NONSUPPRESSIBLE EDIT CHECK.**

BCREASM

DB-13a.   At the time he had his [OPERMALE], had you or [CHPNAME] been having problems with your method or methods of birth control?

```
Yes .......................................1
No ........................................5
```

No, not using any method at the time 6

FLOW CHECK D-17c: IF DB-13a BCREASM = 5, 6, DK, or RF, GO TO FLOW CHECK D-18.
ELSE IF BCREASM = 1, ASK DB-13b BCWHYM.

BCWHYM
DB-13b.   Was there a health or medical problem with the method of birth
control you or he was using, or did you not like the method for some
other reason?

[HELP AVAILABLE]

                Health or medical problem 1
                Some other reason 2
                Both 3

FLOW CHECK D-18:   IF MORE THAN ONE REASON GIVEN ACROSS RHADALLM, HHADALLM,
MEDREAS, AND BCREASM, ASK DB-14 MINCDNMN. ELSE, GO TO FLOW
CHECK D-19.

MINCDNMN

DB-14.   You mentioned that the reasons that [CHPNAME] had [OPERMALE] were
that... [ONLY DISPLAY THOSE REASONS THAT R REPORTED FOR CHPNAME
ABOVE]. Which one of these was the <u>main</u> reason that he had
[OPERMALE]?

            ◆ *ENTER [3] if <u>any</u> medical reasons reported as <u>main</u> reason.*
            ◆ *ENTER [5] if R reports that his <u>main</u> reason was something other*
            than a reason she reported previously.

            You had all the children you wanted 1
            Your husband or partner had all the children he wanted .2
            Medical reasons 3
            Problems with other methods of birth control 4
            Some other reason not mentioned above 5

<u>REVERSAL OF TUBAL STERILIZATION OR VASECTOMY (DC)</u>

FLOW CHECK D-19:   IF ANYTUBAL=1 (yes), ASK DC-1 REVSTUBL.
ELSE IF ANYTUBAL=2(no), GO TO FLOW CHECK D-21.

REVSTUBL
DC-1. IF DA-1 EVERTUBS = 1 or 4 or DA-1b ESSURE = 1, ASK:
      Have you ever had surgery to reverse your tubal sterilization?

      ELSE IF DA-1 EVERTUBS = 6, ASK:
      Earlier you mentioned that you had your tubal sterilization reversed. Is
      this correct?

[HELP AVAILABLE]

                Yes 1
                No ....5 (FLOW CHECK D-21)

DATRVSTB_M
① of ②
DC-2. In what month and year did you have your tubal sterilization reversed?

    ◆ *If R cannot recall month and year, refer her to the life history calendar.*

    ◆ *ENTER MM/YYYY*
    ◆ *PROBE for season if DK month*

[CALENDAR REFERENCE]
[HELP AVAILABLE]

1. January	5. May	9. September	13. Winter
2. February	6. June	10. October	14. Spring
3. March	7. July	11. November	15. Summer
4. April	8. August	12. December	16. Fall

DATRVSTB_Y
② of ②
DC-2. *(In what month and year did you have your tubal sterilization reversed?)*

[CALENDAR REFERENCE]
[HELP AVAILABLE]

    ◆ *After R has given the year, say*: Please record this operation in the box for this month and year on the "Birth Control Methods" row of your calendar. You might use "REV" or some other abbreviation that you will recognize later. If this happened before [THREEYRS_FILL], please record it in the box for "before [THREEYRS_FILL]".

    ◆ *ENTER (DATRVSTB_M/YYYY)*

UNDERLYING RANGE: 1966 to 2020

FLOW CHECK D-20:   **COMPUTE CMLIGREV:**
        (CM for when tubal sterilization was reversed)

        SET CMLIGREV = null/blank.

        IF DATRVSTB_Y = RF, SET CMLIGREV = 9998 (RF).
        ELSE IF DATRVSTB_Y = DK, SET CMLIGREV = 9999 (DK).

        ELSE IF DATRVSTB_M LE 12,
        COMPUTE CMLIGREV = (DATRVSTB_Y - 1900)*12 + DATRVSTB_M

        ELSE IF 13 LE DATRVSTB_M LE 16, USE MONTH APPROPRIATE TO SEASON & COMPUTE CMLIGREV as above.

        ELSE IF DATRVSTB_M = DK OR RF, ASSIGN MONTH = 6 (June) & COMPUTE CMLIGREV as above.

EDIT CHECK DC2_1:   **IF (DATRVSTB_M LE 12) AND CMLIGREV > CMINTVW, DISPLAY:**
        The date entered cannot be after the date of interview. Please correct.
        HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC2_2:   **IF (DATRVSTB_M LE 12) AND CMLIGREV < CMBIRTH, DISPLAY:**
        The date entered cannot be before her date of birth. Please correct.
        HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC2_3:   **IF (13 LE DATRVSTB_M LE 16) AND CMLIGREV > (CMINTVW + 2),**

                              DISPLAY: The date entered cannot be after the date of
                              interview. Please correct.
                              HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC2_4:   **IF (13 LE DATRVSTB_M LE 16) AND CMLIGREV < (CMBIRTH - 3),**
                              DISPLAY: The date entered cannot be before her date of
                              birth. Please correct.
                              HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC2_5:   **IF (DATRVSTB_M = DK OR RF) AND DATRVSTB_Y > (CMINTVW/12**
                              +1900), DISPLAY: The date entered cannot be after the
                              date of interview. Please correct.
                              HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC2_6:   **IF (DATRVSTB_M = DK OR RF) AND DATRVSTB_Y < (CMBIRTH/12**
                              +1900)- 1, DISPLAY: The date entered cannot be before her
                              date of birth. Please correct.
                              HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC2_7:   **PROBE IF CMLIGREV < CMTUBLIG. DISPLAY TEXT:** R has
                              reported having her tubal sterilization reversed <u>before</u>
                              the date she had the operation. Has one of the dates
                              been entered incorrectly?
                              INVOLVING(DATRVSTB_M, DATRVSTB_Y)

EDIT CHECK DC2_8:   **PROBE IF ANY CMPBEG_S[x] > CMTUBLIG FOR R WHOSE TUBAL WAS**
                              NEVER REVERSED (CMLIGREV=sysmis). DISPLAY TEXT: R has
                              reported a pregnancy that began <u>after</u> her tubal
                              sterilization. Has the date of her tubal sterilization
                              been entered incorrectly?
                              INVOLVING (DATFEMOP_M, DATFEMOP_Y)

EDIT CHECK DC2_9:   **PROBE IF ANY CMPBEG_S[x] IS REPORTED LATER THAN CMTUBLIG**
                              AND EARLIER THAN CMLIGREV FOR R WHOSE TUBAL <u>WAS</u> REVERSED
                              (CMTUBLIG < CMPBEG_S[x] < CMLIGREV). DISPLAY TEXT: R has
                              reported a pregnancy that began <u>after</u> her tubal
                              sterilization but before her reversal operation. Has one
                              of the dates been entered incorrectly?
                              INVOLVING (DATFEMOP_M, DATFEMOP_Y, DATRVSTB_M,
                              DATRVSTB_Y)

FLOW CHECK D-21: IF AD-7b MARSTAT NE 1 or 2, GO TO FLOW CHECK D-22.

                    ELSE IF ANYVAS = 1, ASK DC-3 REVSVASX.
                    ELSE IF ANYMSTER = 1 and ANYVAS = 5, GO TO FLOW CHECK D-22.

REVSVASX
DC-3. IF DA-9 WHATOPSM = 1, ASK:
     Has [CHPNAME] ever had surgery to reverse his vasectomy?

     ELSE IF DA-9 WHATOPSM = 6, ASK:
     Earlier you mentioned that [CHPNAME] has had his vasectomy reversed. Is
     this correct?

[HELP AVAILABLE]

                    Yes 1
                    No ....5 (FLOW CHECK D-22)

DATRVVEX_M
① of ②
DC-4. In what month and year did [CHPNAME] have the reversal?

⬧ *If R cannot recall month and year, refer her to the life history calendar.*

⬧ *ENTER MM/YYYY*
⬧ *PROBE for season if DK month*

[CALENDAR REFERENCE]
[HELP AVAILABLE]

1. January	5. May	9. September	13. Winter
2. February	6. June	10. October	14. Spring
3. March	7. July	11. November	15. Summer
4. April	8. August	12. December	16. Fall

DATRVVEX_Y
② of ②
DC-4. *(In what month and year did [CHPNAME] have the reversal?)*

[CALENDAR REFERENCE]
[HELP AVAILABLE]

⬧ *After R has given the year, say:* Please record this operation in the box for this month and year on the "Birth Control Methods" row of your calendar. You might use "REV" or some other abbreviation that you will recognize later. If this happened before [THREEYRS_FILL], please record it in the box for "before [THREEYRS_FILL]".

⬧ *ENTER (DATRVVEX_M/YYYY)*

UNDERLYING RANGE: 1931 to 2020

FLOW CHECK D-21b: COMPUTE CMVASREV:
        (CM for when current H/P's vasectomy was reversed)

          SET CMVASREV = null/blank.

          IF DATRVVEX_Y = RF, SET CMVASREV = 9998 (RF).
          ELSE IF DATRVVEX_Y = DK, SET CMVASREV = 9999 (DK).

          ELSE IF DATRVVEX_M LE 12,
          COMPUTE CMVASREV = (DATRVVEX_Y - 1900)*12 + DATRVVEX_M

          ELSE IF 13 LE DATRVVEX_M LE 16, USE MONTH APPROPRIATE TO SEASON & COMPUTE CMVASREV as above.

          ELSE IF DATRVVEX_M = DK OR RF, ASSIGN MONTH = 6 (June) & COMPUTE CMVASREV as above.

EDIT CHECK DC4_1:   **IF (DATRVVEX_M LE 12) AND CMVASREV > CMINTVW, DISPLAY:**
                      The date entered cannot be after the date of interview. Please correct.
                      HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC4_2:   **IF (13 LE DATRVVEX_M LE 16) AND CMVASREV > (CMINTVW + 2),**
                      DISPLAY: The date entered cannot be after the date of

interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC4_3:   **IF (DATRVVEX_M = DK OR RF) AND DATRVVEX_Y > (CMINTVW/12 +1900), DISPLAY: The** date entered cannot be after the date of interview. Please correct.
HARD, NONSUPPRESSIBLE EDIT CHECK.

EDIT CHECK DC4_4:   **PROBE IF CMVASREV < CMMALEOP. DISPLAY TEXT:** R has reported that current H/P had his vasectomy reversal <u>before</u> his vasectomy. Has one of the dates been entered incorrectly?
INVOLVING(DATRVVEX_M,DATRVVEX_Y)

FLOW CHECK D-22:   COMPUTE TUBS ("R is surgically sterile at interview due to tubal sterilization, either unreversed or reversal failure):

**INITIALIZE TUBS = 5 (no).
(TUBS will remain no if ANYTUBAL = no, any instance of tubal reversal, on both EVERTUBS and ESSURE.)**

IF ANYTUBAL = 1 (yes) AND (DA-1 EVERTUBS = 1 OR 4 OR DA-1b ESSURE = 1) and DC-1 REVSTUBL = 5, DK, or RF, THEN SET TUBS = 1 (yes).

COMPUTE VASECT (R'S current H/P surgically sterile at interview due to vasectomy, either unreversed or reversal failure):

IF AD-7B MARSTAT NE 1 OR 2, THEN ~~ANY~~ VASECT = BLANK/INAPP.

**ELSE IF MARSTAT = 1 OR 2, INITIALIZE VASECT = 5 (no).
(VASECT will remain no if ANYMSTER = no, any instance of vasectomy reversal, or DK/RF on both WHATOPSM and REVSVASX)**

IF MARSTAT = 1 or 2 and (DA-9 WHATOPSM = 1 AND DC-3 REVSVASX = 5, SYSMIS, DK, OR RF), THEN SET VASECT = 1 (yes).

COMPUTE RSURGSTR:
(Whether R is currently surgically sterile; defined for all respondents)

RSURGSTR = 1 (YES)   IF ANYFSTER = YES AND DC-1 REVSTUBL = NO, DK, RF, or BLANK.

RSURGSTR = 5 (NO)   IF OTHERWISE.

COMPUTE PSURGSTR:
(Whether R's current H/P is surgically sterile; defined for all respondents)

PSURGSTR = 1 (YES)   IF ANYMSTER = YES AND DC-3 REVSVASX = NO, DK, RF, or BLANK.

PSURGSTR = 5 (NO)   IF OTHERWISE (including Rs who have no current H/P).

COMPUTE ONLYTBVS:
(Whether R's only sterilizing operation is an unreversed tubal sterilization or vasectomy; defined for all respondents)

ONLYTBVS = 1 (YES)   (IF TUBS=1 and HYST=5 and OVAREM=5 and OTHR=5)

ONLYTBVS = 1 (YES)   (IF (TUBS=5and HYST=5 and OVAREM=5 and OTHR=5) and VASECT=1.

ONLYTBVS = 5 (NO)   IF OTHERWISE.

IF ONLYTBVS=YES AND TUBS=1, ASK DC-5 RWANTRVT.
ELSE IF ONLYTBVS=YES AND TUBS=5, GO TO FLOW CHECK D-24.
ELSE IF ONLYTBVS=NO, GO TO FLOW CHECK D-25.
(We ask about desire for sterilization reversal if the couple's __only__ sterilizing operations are a tubal sterilization or a vasectomy and the tubal or vasectomy has not already been reversed.)

RWANTRVT
DC-5. As things look to you now, if your tubal sterilization could be reversed safely, would you want to have it reversed? Would you say definitely yes, probably yes, probably no, or definitely no?

Definitely yes 1
Probably yes 2
Probably no 3
Definitely no 4

FLOW CHECK D-23: **IF AD-7b MARSTAT = 1 or 2, ASK DC-6 MANWANTT.**
                      ELSE IF AD-7b MARSTAT NE 1 or 2, GO TO FLOW CHECK D-25.

MANWANTT
DC-6. Would [CHPNAME] like you to have your tubal sterilization reversed? Would you say definitely yes, probably yes, probably no, or definitely no?

[HELP AVAILABLE]

Definitely yes..........1
Probably yes...........2
Probably no.. 3
Definitely no..........4

FLOW CHECK D-24: **IF VASECT = 1 (YES) AND ONLYTBVS = 1 (YES), ASK DC-7 RWANTREV.**
                      ELSE, GO TO FLOW CHECK D-25.

RWANTREV
DC-7. As things look to you now, if [CHPNAME]'s vasectomy could be reversed safely, would you want to have it reversed? Would you say definitely yes, probably yes, probably no, or definitely no?

[HELP AVAILABLE]

Definitely yes 1
Probably yes 2
Probably no 3
Definitely no 4

MANWANTR
DC-8. Would [CHPNAME] like to have his vasectomy reversed? Would you say
      definitely yes, probably yes, probably no, or definitely no?

[HELP AVAILABLE]
                     Definitely yes 1
                     Probably yes 2
                     Probably no 3
                     Definitely no 4

{ There is no DD series.

NON-SURGICAL STERILITY (DE)

FLOW CHECK D-25: IF RSURGSTR = YES, GO TO FLOW CHECK D-33.
                 ELSE IF CURRPREG = YES, GO TO DF-1 CANHAVER.
                 ELSE, ASK DE-1 POSIBLPG.

POSIBLPG
DE-1. IF HASBABES = YES, ASK:
      Now I have a few more questions about your physical ability to have another
      baby at some time in the future.

      Some women are not <u>physically</u> able to have children. As far as you know,
      is it physically possible for you, yourself, to have another baby?

      ELSE IF HASBABES = NO, ASK:
      Now I have a few more questions about your physical ability to have a baby
      at some time in the future.

      Some women are not <u>physically</u> able to have children. As far as you know,
      is it physically possible for you, yourself, to have a baby?

                     Yes 1
                     No 5

FLOW CHECK D-26: IF DE-1 POSIBLPG = 5, ASK DE-2 REASIMPR.
                 ELSE IF DE-1 POSIBLPG = 1, DK, OR RF, GO TO FLOW CHECK D-28.

REASIMPR
DE-2. Please look at Show Card 29a. What is the <u>main</u> reason it is impossible for
      you to have a baby in the future?

               ⬧ If the R volunteers any reason related to her husband or partner,
               <u>probe</u> for any female-related reasons. If none exist, ENTER CODE 30

               ⬧ *Do not probe responses 1-4*

[SHOW CARD 29a]
[HELP AVAILABLE]

               Impossible due to problems with ovulation 1
               Impossible due to problems with uterus, cervix,
                     or fallopian tubes 2
               Impossible due to other illnesses or treatment
                     for other illnesses such as cancer 3
               Impossible due to menopause 4

Impossible for other reasons (specify) 20
R volunteers it is not impossible for her 30
    [REASSIGN POSIBLPG=1 and SKIP TO FLOW CHECK D-28]

FLOW CHECK D-27:   IF DE-2 REASIMPR = 20 (impossible for other reasons), ASK DE-2b REASIMPR_SP.

REASIMPR_SP
DE-2b.   (What is the other reason it is impossible?)

        ⬥ Record answer verbatim:

[HELP AVAILABLE]

        TYPE: STRING [250]

FLOW CHECK D-28:   IF (AD-7b MARSTAT = 1 OR 2) AND PSURGSTR = NO, ASK DE-3 POSIBLMN. ELSE, GO TO FLOW CHECK D-31.

POSIBLMN
DE-3. What about [CHPNAME]? As far as you know, is it <u>physically</u> possible for him to father a baby in the future?

        Yes 1
        No 5

FLOW CHECK D-29:   IF DE-3 POSIBLMN = 5, ASK DE-4 REASIMPP.
ELSE IF DE-3 POSIBLMN = 1, DK, or RF, GO TO FLOW CHECK D-31.

REASIMPP
DE-4. Please look at Show Card 29b. What is the <u>main</u> reason it is impossible for [CHPNAME] to father a baby in the future?

        ⬥ *Do not probe*

[SHOW CARD 29b]
[HELP AVAILABLE]

        Impossible due to problems with sperm or semen 1
        Impossible due to testicular problems or varicocele 2
        Impossible due to other illnesses or treatment for other
            illnesses 3
        Impossible for other reasons (specify) 4

FLOW CHECK D-30:   IF DE-4 REASIMPR = 4 (some other reason), ASK DE-4b REASIMPP_SP.

REASIMPP_SP
DE-4b.   (What is the other reason it is impossible?)

        ⬥ Record answer verbatim:

[HELP AVAILABLE]

        TYPE: STRING [250]

FLOW CHECK D-31:   IF DE-1 POSIBLPG = NO, GO TO FLOW CHECK D-32.

PREGNANCY DIFFICULTY SERIES (DF)

CANHAVER
DF-1. IF CURRPREG = YES, ASK:
Some women are <u>physically</u> able to have another baby, but have <u>difficulty</u> getting pregnant or carrying the baby to term. As far as you know, would you, yourself, have any difficulty getting pregnant again or carrying another baby after this pregnancy?

ELSE IF CURRPREG = NO AND HASBABES = YES, ASK:
Some women are <u>physically</u> able to have another baby, but have <u>difficulty</u> getting pregnant or carrying the baby to term. As far as you know, would you, yourself, have any difficulty getting pregnant again or carrying another baby to term?

ELSE IF CURRPREG = NO AND HASBABES = NO, ASK:
Some women are <u>physically</u> able to have a baby, but have <u>difficulty</u> getting pregnant or carrying the baby to term. As far as you know, would you, yourself, have any difficulty getting pregnant or carrying a baby to term?

[HELP AVAILABLE]

```
            Yes ............1
            No ............5 (FLOW CHECK D-32)
```

REASDIFF
DF-2. IF HASBABES = YES OR CURRPREG = YES, ASK:
Please look at Card 28. What is the reason that it would be difficult for you to have another baby?

ELSE IF HASBABES = NO AND CURRPREG = NO, ASK:
Please look at Card 28. What is the reason that it would be difficult for you to have a baby?

- ◆ *PROBE:* "Any other reasons?"
- ◆ *ENTER all that apply*
- ◆ *Press [Space] or [-] to separate responses*

[SHOW CARD 28]
[HELP AVAILABLE]

```
            You have difficulty getting pregnant............1
            You have difficulty carrying baby to term.......2
            Pregnancy is dangerous to your health..........3
            You are likely to have an unhealthy baby .......4
            Or some other reason ..........................5
```

FLOW CHECK D-32:   IF DE-3 POSIBLMN= 1 OR (POSIBLMN= blank AND CURRPREG=1 AND AD-7b MARSTAT=1 OR 2) AND PSURGSTR = 5, THEN ASK DF-3 CANHAVEM.

ELSE IF AD-7b MARSTAT NE 1 or 2 OR DE-3 POSIBLMN = NO OR PSURGSTR = YES, GO TO DF-4 PREGNONO.

CANHAVEM
DF-3. As far as you know, does [CHPNAME] have any difficulty fathering a baby?

[HELP AVAILABLE]

                        Yes 1
                        No 5

PREGNONO
DF-4. IF EVERPREG = YES, ASK:
       At any time has a medical doctor ever advised you <u>never</u> to become pregnant
       again?

       ELSE IF EVERPREG = NO, ASK:
       At any time has a medical doctor ever advised you <u>never</u> to become pregnant?

                        Yes 1
                        No ....5 (Flow Check D-33)

REASNONO
DF-5. Please look at Card 29 and tell me why the doctor advised you not to become
       pregnant?

                ◆ *ENTER all that apply*

                ◆ *Press [Space] or [-] to separate responses*

[SHOW CARD 29]

              Dangerous for you 1
              Dangerous for your baby 2
              Some other reason 3

FLOW CHECK D-33:   COMPUTE RSTRSTAT:
              (R's sterility status, defined for all Rs)

              IF RSURGSTR = YES, THEN RSTRSTAT = 1 (surgically sterile).
              ELSE IF DE-1 POSIBLPG = 5 (NO), THEN RSTRSTAT = 2
              (nonsurgically sterile).
              ELSE IF RSURGSTR = 5 (NO) or POSIBLPG = 1, DK, RF, or blank,
              then RSTRSTAT = 0 (neither surgically nor non surgically
              sterile). (Rather than "Else RSTRSTAT = 0")

              COMPUTE PSTRSTAT:
              (R's current H/P's sterility status, defined for all R's who
              have a current H/P)

              IF AD-7b MARSTAT NE 1 or 2, THEN PSTRSTAT = null/blank.
              ELSE IF PSURGSTR = YES, THEN PSTRSTAT = 1 (surgically sterile).
              ELSE IF DE-3 POSIBLMN = 5 (NO), THEN PSTRSTAT = 2
              (nonsurgically sterile).
              ELSE PSTRSTAT = 0 (neither surgically nor nonsurgically
              sterile).

FLOW CHECK D-34:   IF
              BA-1 MENARCHE = 96 (has not started periods yet) or
              currpreg =1 (R is currently pregnant) or
              hyst = 1 (R has had a hysterectomy) or
              ovarem = 1 (R has had ovaries removed),
              THEN GO TO FLOW CHECK D-35.

              ELSE ASK DF-6 LASTPER.

{ Asked if R has ever had a period, is not currently pregnant, and still has her uterus and ovaries

LASTPER

DF-6. How long ago did your last period start? Was it...

```
       Within the past 4 weeks ............................1
       Longer ago than 4 weeks, but less than 3 months ....2
       Longer ago than 3 months, but less than 6 months ...3
       Longer ago than 6 months, but less than 1 year .....4
       Longer ago than 1 year ............................5
       IF VOLUNTEERED: Before last birth or pregnancy .....95
```

FLOW CHECK D-35:   IF
BA-1 MENARCHE = 96 (has not started periods yet) or
currpreg =1 (R is currently pregnant) or
rstrstat =1 (R is surgically sterile) or
age_r < 18 (R is younger than 18 years) or
cmlstprg GE cmlstyr (R has been pregnant in last year)
THEN GO TO SECTION E.

ELSE ASK DF-7 TRYPREG12.

{ Asked if R is 18 or older, has ever had a period, is not currently pregnant, has not been pregnant in past year, and is not surgically sterile

TRYPREG12

DF-7. At any point within the past 12 months, that is since (CMLSTYR_FILL), were you trying to get pregnant?

```
       Yes ...................1
       No ....................5
```