# FEMALE SECTION D

## CAPI Reference Questionnaire (CRQ)

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)
- **CMJAN5YR**: CM for the January five years prior to current year (“LAST 5 YEARS”) (from A)
- **CMLSTYR**: CM of interview - 1 yr (from A)
- **THREEYRS_FILL**: YEAR FILL for year of interview - 3 yr (“2003”) (from A)
- **MARSTAT**: R’s informal marital status (AB-1)
- **FMARIT**: R’s formal marital status (based on MARSTAT & FMARSTAT)
- **CMLSTYR_FILL**: CM for the January five years prior to current year (“LAST 5 YEARS”) (from A)
- **CMLSTYR_FILL**: CM for interview - 1 yr (from A)
- **CMLSTYR_FILL**: CM for the January five years prior to current year (“LAST 5 YEARS”) (from A)
- **CMLSTYR_FILL**: CM for interview - 1 yr (from A)
- **CMLSTYR_FILL**: CM for the January five years prior to current year (“LAST 5 YEARS”) (from A)
- **CMLSTYR_FILL**: CM for interview - 1 yr (from A)
- **CMRPM_BEG_S[X]**: CM for date when each pregnancy began (incl. curr preg) (from B)
- **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)
- **OHERHYST**: Fill for hysterectomy experience (FC D-1)
- **OPEROVEC**: Fill for ovary removal experience (FC D-1)
- **OPEROTH**: Fill for other sterilizing operation experience (FC D-1)
- **OPERMAL**: Fill for male sterilizing operation experience of current H/P (FC D-1)
- **ANYFSTER**: R ever had a sterilizing operation or procedure (regardless of reversal) (FC D-5)
- **ANYMSTER**: R’s current H/P ever had a sterilizing operation or procedure (regardless of reversal) (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)
- **FSTROP12**: Whether R had a sterilizing operation or procedure within last 12 mos (FC D-13)
- **STERCLIN**: Whether R had a sterilizing operation or procedure at a clinic site within last 12 months (FC D-13)
- **CMMALEOP**: CM for R’s male sterilizing operation (FC D-16)
- **CMTUBREV**: 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)
- **RSURGSTR**: Whether R is surgically sterile at interview (FC D-22)
- **PSURGSTR**: Whether R’s current H/P is surgically sterile at interview (FC D-22)
- **ONLYTVS**: 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)
- OPEROTH = 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

EVERTUBS

DA-1. Have you ever had both 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 EVEROTH.

EVERHYST

DA-2. Have you ever had a hysterectomy, that is, surgery to remove your uterus?

Yes ....................1 (SET OPERHYST = "hysterectomy")
No ....................5

EVEROVRS

DA-3. Have you ever had both of your ovaries removed?

[HELP AVAILABLE]
Yes ..................1 (SET OPEROVEC = "ovaries removed")
No ..................5

EVEROTH

DA-4. IF HASBABES = YES OR CURRPREG = YES, ASK:
Have you ever had any other operation that makes it impossible for you to have another baby?
ELSE IF HASBABES = NO AND CURRPREG = NO, ASK:
Have you ever had any other 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 completely sterile. 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 completely sterile. 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
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)

DFNLSTRM

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
No.....5

FLOW CHECK D-5: COMPUTE ANYFSTER:
(Whether R has had any sterilizing operations or procedures)

IF OPERTUBL NE blank OR OPERHYST NE blank OR OPEROVEC NE blank OR OPEROTHR NE blank,
THEN ANYFSTER = 1 (YES).
ELSE IF OPERTUBL = blank AND OPERHYST = blank AND OPEROVEC = blank AND OPEROTHR = blank,
THEN ANYFSTER = 5 (NO).

IF AB-1 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)

IF AB-1 MARSTAT NE 1 or 2,
    THEN ANYMSTER = blank (inapp).
ELSE IF OPERMALE NE blank, THEN ANYMSTER = 1 (yes).
ELSE IF OPERMALE = blank, THEN ANYMSTER = 5 (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 non-blank values in OPERTUBL, OPERHYST, OPEROVEC, & OPEROTH). USE FILLS AS APPROPRIATE WHERE YOU SEE OPER####; #### indicates TUBL, HYST, OVEC, OTHR.

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

DATFEMOP_M
® of ®
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]


DATFEMOP_Y
® of ®
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: 1961 to 2011

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, ALLOWING FOR A 2 MONTH LEEWAY IN THE COMPARISON.

PERMANENT STERILIZING OPERATION VARIABLES:
CMHYST
CMOVAREM
CMOTSURG

PREGNANCY START DATES = CMPBEG_S[X]

IF CMHYST NE BLANK, PROBE IF CMPBEG_S[X] > CMHYST + 2.
IF CMOVAREM NE BLANK, PROBE IF CMPBEG_S[X] > CMOVAREM + 2.
IF CMOTSURG NE BLANK, PROBE IF CMPBEG_S[X] > CMOTSURG + 2.
DISPLAY TEXT FOR EACH OF THESE: R has reported becoming pregnant after 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
- Some other place .....................................20

FLOW CHECK D-10: IF OPERATION BEING DESCRIBED IS TUBAL STERILIZATION AND DB-2 PLCFEMOP = 7 or 8 or 9 (HOSPITAL code), ASK DB-2a INPATIEN.
ELSE, GO TO DB-2b PAYRSTER.

INPATIEN
DB-2a. When you had your tubal sterilization, did you stay overnight in the hospital?

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

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 AB-1 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 AB-1 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

**HELP AVAILABLE**
**SHOW CARD 26**
Medical problems with your female organs........1
Pregnancy would be dangerous to your 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 "None" 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 AB-1 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 AB-1 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 main reason that you had your [OPER####]?

♦ ENTER [3] if any medical reasons reported as her main reason.
♦ ENTER [5] if R reports that her main 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).

COMPUTE FSTROP12:  
(Whether R has had a sterilizing operation or procedure within last year)

   IF ANYFSTER = 5 (NO), THEN FSTROP12 = blank/inapp.

   ELSE IF ANYFSTER = 1 (YES), THEN DO:

   IF (9997 GT CMTUBLIG GE CMLSTYR) OR (9997 GT CMHYST GE CMLSTYR) OR (9997 GT CMOVAREM GE CMLSTYR) OR (9997 GT CMOTSURG GE CMLSTYR), THEN FSTROP12 = 1 (YES).

   ELSE FSTROP12 = 5 (NO).

   END.

COMPUTE STERCLIN:  
(Whether R had a sterilizing operation or procedure at a "clinic" site within last year)

   IF FSTROP12 = 5 or blank, THEN STERCLIN = blank/inapp.

   ELSE IF FSTROP12 = 1 THEN DO:

   STERCLIN=5;  
   ARRAY STERDATE {4} CMTUBLIG CMHYST CMOVAREM CMOTSURG;  
   ARRAY PLACE {4} PLCFEMOP PLCFEMOP2 PLCFEMOP3 PLCFEMOP4;  
   DO I=1 to 4;

   IF (9997 GT STERDATE(I) GE CMLSTYR) AND PLACE(I) IN(3,4,6,7,8,9,10) THEN
   STERCLIN=1;

   END;

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
⊙ of ®
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]


DATEOPMN_Y
⊙ of ®
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: 1956 to 2011

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, 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), GO TO DB-9 PLACOPMN. ELSE, ASK DB-8 WITHIMOP.

WITHIMOP
DB-8. You may have already told me this, but were you in a relationship with him at the time he had his [OPERMALE]?

[HELP AVAILABLE]
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
Some other place ........................................10

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

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

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

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

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

IF CWPOKLIV = 6 AND ANY OTHER CODE DISPLAY: You cannot
choose "None" in conjunction with other answers. Verify
with R and re-enter.
HARD, NONSUPPRESSIBLE EDIT CHECK.

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 (FLOW CHECK D-18)
No, not using any method at the time .......6 (FLOW CHECK D-18)

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 CHPPNAME ABOVE]. Which one of these was the main reason that he had [OPERMALE]?

• ENTER [3] if any medical reasons reported as main reason.
• ENTER [5] if R reports that his main 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

REVERSAL OF TUBAL STERILIZATION OR VASECTOMY (DC)

FLOW CHECK D-19: IF OPERTUBL NE BLANK, ASK DC-1 REVSTUBL.
ELSE IF OPERTUBL = BLANK, 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

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]

[CALENDAR REFERENCE]

[HELP AVAILABLE]


**DATRVSTB_Y**

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

**ENTER (DATRVSTB_M/YYYY)**

UNDERLYING RANGE: 1961 to 2011

**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 before the date she had the operation. Has one of the dates been entered incorrectly?
INVOLVING(DATRVSTB_M, DATRVSTB_Y)

FLOW CHECK D-21: IF CHPNAME = BLANK, GO TO FLOW CHECK D-22.
ELSE IF OPERMALE = VASECTOMY, ASK DC-3 REVSVASX.
ELSE IF OPERMALE = BLANK or ASTERILIZING OPERATION," 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
© of ©
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]


DATRVVEX_Y
© of ©
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],

NSFG_2006-08_Y3_FemaleD_CRQ.doc
D-16
please record it in the box for "before [THREEYRS_FILL]".

ENTER (DATRVVEX_M/YYYY)

UNDERLYING RANGE: 1956 to 2011

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 before his vasectomy. Has one of the dates been entered incorrectly?
INVOLVING(DATRVVEX_M,DATRVVEX_Y)

FLOW CHECK D-22: 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 RSURGSTR = YES AND OPERHYST = BLANK AND OPEROVEC = BLANK AND OPEROTH = BLANK) AND (IF PSURGSTR = YES AND OPERMALE = VASECTOMY)

ONLYTBVS = 1 (YES) (IF RSURGSTR=NO AND PSURGSTR=YES AND OPERMALE=VASECTOMY)

ONLYTBVS = 5 (NO) IF OTHERWISE.

IF ONLYTBVS=YES AND RSURGSTR=YES, ASK DC-5 RWANTRVT.
ELSE IF ONLYTBVS=YES AND RSURGSTR=NO, 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 AB-1 MARSTAT = 1 or 2, ASK DC-6 MANWANTT.
ELSE IF AB-1 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 PSURGSTR = YES AND ONLYTBVS = 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]
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 physically 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 physically 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. What is the main reason it is impossible for you to have a baby in the future? Is it ...

● If the R volunteers any reason related to her husband or partner, probe for any female-related reasons. If none exist, please return the previous question (DE-1 POSIBLPG) and enter [1] for “Yes”.

● READ List; Do not probe

[HELP AVAILABLE]

Impossible due to an accident or illness ............1
Impossible due to menopause .........................2
Impossible for some other reason ....................3
Impossible for you to have a baby,
for unknown reasons ...........................4

FLOW CHECK D-27: IF DE-2 REASIMPR = 3 (some other reason), 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 (AB-1 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 physically 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. What is the main reason it is impossible for [CHPNAME] to father a baby in the future?

♦ READ List; Do not probe

[HELP AVAILABLE]

Impossible due to an accident or illness ............1
Impossible for some other reason ....................2
Impossible for him to father a baby, for unknown reasons .....................3

FLOW CHECK D-30: IF DE-4 REASIMPR = 2 (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 physically able to have another baby, but have difficulty getting pregnant or carrying the baby to term. As far as you know, would you, yourself, have any difficulty getting pregnant again or carrying

for unknown reasons ...........................4
another baby after this pregnancy?

ELSE IF CURRPREG = NO AND HASBABES = YES, ASK:
Some women are physically able to have another baby, but have difficulty 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 physically able to have a baby, but have difficulty 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 MARSTAT=1 OR 2) AND PSURGSTR = 5, THEN ASK DF-3 CANHAVEM.

ELSE IF AB-1 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 never to become pregnant again?

ELSE IF EVERPREG = NO, ASK:
At any time has a medical doctor ever advised you never to become pregnant?
Yes ...................1
No ...................5 (Flow Check D-33)

REASON
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 nonsurgically 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 AB-1 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).