

2022-2023 National Survey of Family Growth Female Respondent File Recode Specifications

** Recodes shown in blue font and noted with a double asterisk were defined based on final, imputed values of other recodes and have no imputation flags. Therefore, their variable type in the codebooks and file indexes is “computed in post-processing.”

Section A Recodes:

Demographic Characteristics; Household Roster; Childhood Background

AGER: R’s age at interview

AGER= **age_r**

Values of Blaise-computed variable **age_r** (defined in Flow Check A-2b in the CRQ) are used to determine values of AGER:

If there was a valid response in date of birth (AA-2 BIRTHDAY), then
 $age_r = INT[(date\ of\ interview\ (in\ m/d/y) - m/d/y\ date\ of\ birth\ (AA-2\ BIRTHDAY))/365.25]$
else
 $age_r = age\ in\ years\ (AA-1\ AGE_A)$

Note: Respondents aged 50 at interview were 49 at time of household screener.

Code categories:

15-50 = age in years

FMARITAL: Formal (legal) marital status relative to opposite-sex spouses

*Note: This recode defines formal marital status based on opposite-sex couples. Computed variable **ssmarcoh** can be used to identify respondents in same-sex marriages and cohabitations.*

FMARITAL is based on values of Blaise-computed variable **fmarit** (defined in Flow Check A-37).

If **fmarit** in(1 2 3 4 5) then FMARITAL= **fmarit**;
else if **fmarit**=0 then FMARITAL=5;

Cases with **fmarit**=0 were routed in the instrument as “never married,” so FMARITAL recode is set to 5 for them.

Code categories:

- 1 = Married to a person of the opposite sex
- 2 = Widowed
- 3 = Divorced or annulled
- 4 = Separated
- 5 = Never married

RMARITAL: Informal marital status relative to opposite-sex spouses

Note: This recode defines informal marital status (i.e., marital or cohabiting status) based on opposite-sex couples. Computed variable ssmarcoh can be used to identify respondents in same-sex marriages and cohabitations.

- RMARITAL = 1 if R is married to a male (rmarit=1).
Else
- RMARITAL = 2 if R is living with a male partner (rmarit=2).
Else
- RMARITAL = 3 if R is widowed from a male (fmarit=2).
Else
- RMARITAL = 4 if R is divorced from a male (fmarit=3).
Else
- RMARITAL = 5 if R is separated from a male (fmarit=4).
Else
- RMARITAL = 6 if R has never been married to a male (fmarit=5).

Imputation Note: In instrument cases with AD-7c LMARSTAT = DK/RF or AH-1 MARSTATB=DK/RF were routed as never married to an opposite-sex spouse and thus RMARITAL = 6 (never married).

Code categories:

- 1 = Currently married to a person of the opposite sex
- 2 = Not married but living with a partner of the opposite sex
- 3 = Widowed
- 4 = Divorced or annulled
- 5 = Separated (for reasons of marital discord)
- 6 = Never been married to, nor currently cohabiting with a person of the opposite-sex

HIEDUC: Highest completed year of school or highest degree received

HIEDUC = AF-1 ATTAIN

Note: The original HIEDUC recode, as defined above, was bottom-coded for public use at 1 to represent less than 12th grade. The full-detail variable called INHIEDUC is available through the NCHS Research Data Center.

Imputation Note: This recode was logically imputed. Cases with imputed values may

have inconsistent information in AF-2y EARNHS_Y or AF-4 EARNBA_Y because values on those raw variables were not revised based on the imputed value of HIEDUC.

Code categories for HIEDUC (public-use variable):

- 1 = Less than 12th grade
- 2 = 12th grade, no diploma
- 3 = GED or equivalent
- 4 = High school graduate
- 5 = Some college, no degree
- 6 = Associate degree: occupational, technical, or vocational program
- 7 = Associate degree: academic program
- 8 = Bachelor's degree (Example: BA, AB, BS, BBA)
- 9 = Master's degree (Example: MA, MS, Mend, Med, MBA)
- 10 = Professional school degree (Example: MD, DDS, DVM, JD)
- 11 = Doctoral degree (Example: PhD, EdD)

Code categories for INHIEDUC (restricted-use variable):

- 0 = No formal schooling
- 1 = Grade 1-11
- 2 = 12th grade, no diploma
- 3 = GED or equivalent
- 4 = High school graduate
- 5 = Some college, no degree
- 6 = Associate degree: occupational, technical, or vocational program
- 7 = Associate degree: academic program
- 8 = Bachelor's degree (Example: BA, AB, BS, BBA)
- 9 = Master's degree (Example: MA, MS, Mend, Med, MBA)
- 10 = Professional school degree (Example: MD, DDS, DVM, JD)
- 11 = Doctoral degree (Example: PhD, EdD)

HISPANIC: **Hispanic origin**

IF AC-1 HISP =1 then HISPANIC=1.

ELSE IF HISP=5 THEN

HISPANIC=2.

Imputation Note: *Information from the household screener was used to impute a value on HISPANIC, when needed.*

Code categories:

- 1 = Hispanic
- 2 = Non-Hispanic

HISPRACE2: Race and Hispanic origin – based on 1997 OMB guidelines

This recode was defined by first defining *intermediate variables* RACE and NUMRACE:

Define *intermediate variable* RACE:

If R reported only one race (AC-3 RRACE_01 = 1 to 14) and reported that:

- She is black (AC-3 RRACE_01= 2), then RACE=1.
- She is white (AC-3 RRACE_01= 1), then RACE=2.
- She is some other race (AC-3 RRACE_01 = 3 to 14), then RACE=3.

If R reported more than one race (more than one non-missing value on AC-3 RRACE_01 through RRACE_14), and reported that the race that best describes her is:

- Black (AC-4 RACEBEST_ =2), then RACE=1.
- White (AC-4 RACEBEST_ =1), then RACE=2.
- Some other race (AC-4 RACEBEST_ =3 to 14), then RACE=3.

Define *intermediate variable* NUMRACE for multiple race reporting:

NUMRACE=1 if AC-4 RACEBEST_ =blank (not asked because R reported only 1 race)
NUMRACE=2 if RACEBEST_ NE blank (more than 1 race reported)

Create *recode* HISPRACE2:

If recode HISPANIC=1 then HISPRACE2=1.

Else if NUMRACE=1 then do;

If RACE=1 then HISPRACE2=3.

Else, if RACE=2 then HISPRACE2=2.

Else, if RACE=3 then HISPRACE2=4.

Else if NUMRACE=2 then HISPRACE2=4.

Imputation Note: Information from the household screener was used to impute a value on HISPRACE2, when needed.

Code categories:

- 1 = Hispanic (regardless of race reporting)
- 2 = Non-Hispanic White, Single Race
- 3 = Non-Hispanic Black, Single Race
- 4 = Non-Hispanic Other or Multiple Race

NUMKDHH: Number of biological/adopted/related/legal children under age 18 in household

NUMKDHH is initialized to 0.

For each member of the household, NUMKDHH is increased by one each time a household member's relationship to R is biological child, adopted child, step child, partner's child, grandchild, niece/nephew, legal ward, or foster child (AD-5 RELAR[x]=3 or 4 or 5 or 6 or 7 or 8 or 9 or 10) and age is less than 18 (AD-4 Age[x]<18) and it is the household member's usual residence (AD-2 USUALRES[x] = 1).

Note: This is comparable to recode of the same name on the data file for males, which is intended to define the universe of children in the household for whom he may play a fathering role, and about whom "parenting activities" questions are asked. This differs from the Cycle 5 recode NUMKDHH which captured only biological and adopted children in the household.

Note: The original NUMKDHH recode, as defined above, was top-coded for public use at 4 to represent "4 children or more." The full-detail variable called INNUMKDHH is available through the NCHS Research Data Center.

Imputation Note: No imputation needed because NUMKDHH is initialized to 0.

Code categories for NUMKDHH (public-use variable):

0-3 = number of children
4 = 4 children or more

Code categories for INNUMKDHH (restricted-use variable):

0-nn = number of children

NUMFMHH: Number of family members in household

NUMFMHH is initialized to 0.

For each member of the household, NUMFMHH is increased by one each time a household member's relationship to R is husband/wife, male/female partner, biological child, step-child, adopted child, grandchild, niece/nephew, biological parent, step- parent, adoptive parent, grandparent, aunt/uncle, brother/sister, other relative, (AD-5 RELAR[x] = 1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 17, 18, 19, 20) and it is the household member's usual residence (AD-2 USUALRES[x] = 1).

Note: The original NUMFMHH recode, as defined above, was top-coded for public use at 6 to represent 6 family members or more." The full-detail variable called INNUMFMHH is available through the NCHS Research Data Center.

Imputation Note: No imputation needed because NUMFMHH is initialized to 0.

Code categories for NUMFMHH (public-use variable):

0-5 = number of family members

6 = 6 or more family members

Code categories for INNUMFMHH (restricted-use variable):

0-nn = number of family members

HHFAMTYP: “Type of household/family structure”

This variable provides a summary measure of household/family structure at the time of interview.

If there is no spouse in the household (no AD-5 RELAR[x] = 1) and there is no partner in the household (no AD-5 RELAR[x] = 2) and no household members are “child under age 19” (child includes biological child, stepchild, adopted child, legal ward, foster child, or partner’s child) (no AD-5 RELAR[x] = 3 through 8, with AD-4 AGE[x] less than 19)

Then HHFAMTYP=1

else, if

There is a spouse or partner in the household (AD-5 RELAR[x]=1 or 2) but no children under age 19 in the household, (no AD-5 RELAR[x] = 3 through 8, with AD-4 AGE[x] less than 19), then HHFAMTYP=2

else, if

There is a spouse in the household (AD-5 RELAR[x]=1) and one or more children under age 19 in the household, (any AD-5 RELAR[x] = 3 through 8, with AD-4 AGE[x] less than 19), then HHFAMTYP=3

else, if

There is a partner in the household (AD-5 RELAR[x]=2) and one or more children under age 19 in the household, (any AD-5 RELAR[x] = 3 through 8, with AD-4 AGE[x] less than 19), then HHFAMTYP=4

else, HHFAMTYP=5

Imputation Note: No imputation needed because HHFAMTYP defaults to 5.

Code categories:

1=No spouse/partner and no child(ren) (of R) 18 or younger

2=Spouse/partner, but no child(ren) (of R) 18 or younger

3=Spouse and R’s child(ren) 18 or younger

4=Cohabiting partner and R’s child(ren) 18 or younger

5=No spouse/partner, but child(ren) of R, 18 or younger

HHPARTYP: Type of parental situation in household

This variable provides a summary measure of the respondent's parental living situation at the time of interview.

- if there are two biological parents in the household (AD-5 RELAR[x]=11 for 2 household members) or two adoptive parents in the household (AD-5 RELAR[x]=13 for 2 household members), then HHPARTYP=1
- else if there is a biological parent in the household, along with a step or adoptive parent (any AD-5 RELAR[x]=11, and any AD-5 RELAR[x]=12 or 13), then HHPARTYP=2
- else if there is only one biological, adoptive, or stepparent in the household, then HHPARTYP=3
- else, HHPARTYP=4

Imputation note: No imputation needed because HHPARTYP defaults to 4.

Code categories:

- 1=Both biological or both adoptive parents
- 2=Biological and step- or adoptive parent
- 3=Single parent (biological, adoptive, or stepparent)
- 4=Other

NCHILDHH: Number of respondent's children (18 or younger) living in household

This variable provides a counter of all persons in the household 18 or younger who can be considered the respondent's child. This includes biological child, stepchild, adopted child, legal ward, foster child, or partner's child.

NCHILDHH is initialized to 0.

For each member of the household who is respondent's child under age 19, NCHILDHH is incremented by one. (for each time AD-5 RELAR[x] = 3 through 8, with AD-4 AGE[x] less than 19, NCHILDHH=NCHILDHH+1).

If NCHILDHH is greater than or equal to 3, NCHILDHH=3.

Note: The original NCHILDHH recode, as defined above, was top-coded for public use at 3 to represent 3 or more children. The full-detail variable called INNCHILDHH is available through the NCHS Research Data Center

Imputation Note: No imputation needed because NCHILDHH is initialized to 0.

Code categories for NCHILDHH (public-use variable):

- 0-2 = number of respondent's children 18 or younger in the household
- 3 = 3 or more of respondent's children 18 or younger in the household

Code categories for INNCHILDHH (restricted-use variable):

- 0-nn = number of respondent's children 18 or younger in the household

HHKIDTYP: Whether R has children (18 or younger), and whether bio/non-bio, living in household

This variable provides a summary description of persons 18 or younger living in the household, based on their relationship to the respondent and their age.

If

There are no biological children age 18 or under in the household (no AD-1 RELAR[x]=3, with AD-4 AGE[x]<19) and there are no non-biological children age 18 or under in the household (no AD-1 RELAR[x]=4 through 8, with AD-4 AGE[x]<19)

(note: there could be biological or non-biological children 19 or older in the household)

Then HHKIDTYP=0

Else, if

There are no non-biological children of any age in the household (no AD-1 RELAR[x]=4 through 8), then if there are any biological children age 18 or under in the household (any AD-1 RELAR[x]=3, with AD-4 AGE[x]<19)

Then HHKIDTYP=1

Else, if

There are any non-biological children age 18 or under in the household (any AD-1 RELAR[x]=4 through 8, with AD-4 AGE[x]<19)

Then HHKIDTYP=2

Imputation note: No imputation needed because HHKIDTYP defaults to

0. Code categories:

0 = no child(ren) 18 or younger in HH or only older child(ren)

1 = at least one biological child (of R's) under 18 in HH, no nonbiological child(ren)

2 = any non-biological child (of R's) 18 or younger in HH

CSPBBHH: Number of R's biological children (aged 18 or younger) with current husband or cohabiting partner who live in the household

CSPBBHH is blank (inapplicable) if R is not currently married or cohabiting with a male partner (rmarit NE 1 or 2).

This variable indicates the number of the married or cohabiting female respondent's biological children who are also the biological children of her current husband or cohabiting partner, are

18 or younger, and who live in the household.

For each member of the household 18 years of age or younger (AD-4 AGE[x] <= 18), CSPBBHH is increased by one each time a household member's relationship to the R is biological child (AD- 5 RELAR[x] = 3 and her husband or partner is the biological father of this child (AD-9 RELSPCH = 1).

Note: The original CSPBBHH recode, as defined above, was top-coded for public use at 3 to represent "3 or more joint biological children." The full-detail variable called INCSPBBHH is available through the NCHS Research Data Center.

Imputation Note: No imputation needed because CSPBBHH is initialized to 0 for applicable respondents.

Code categories for CSPBBHH (public-use variable):

- Blank = inapplicable
- 0-2 = number of joint biological children 18 or younger in household
- 3 = 3 or more joint biological children 18 or younger in household

Code categories for INCSPBBHH (restricted-use variable):

- Blank = inapplicable
- 0-nn = number of joint biological children 18 or younger in household

CSPBSHH: Number of female R's biological children (aged 18 or younger) in household who are not the biological children of her current husband or cohabiting partner

CSPBSHH is blank (inapplicable) if R is not currently married or cohabiting with a male partner (rmarit NE 1 or 2).

This variable indicates the number of the married or cohabiting female respondent's biological children who are related to, but not the biological children of, her current husband or cohabiting partner.

For each member of the household 18 years of age or younger (AD-4 AGE[x] <= 18), CSPBSHH is increased by one each time a household member's relationship to the R is biological child (AD- 5 RELAR[x] = 3 and her husband or partner is related to, but NOT the biological father, foster father, or legal guardian of this household member (AD-9 RELSPCH = 2, 3, or 4).

Note: The original CSPBSHH recode, as defined above, was top-coded for public use at 1 to represent "1 child or more." The full-detail variable called INCSPBSHH is available through the NCHS Research Data Center.

Imputation Note: No imputation needed because CSPBSHH is initialized to 0 for

applicable respondents.

Code categories for CSPBSHH (public-use variable):

- Blank = inapplicable
- 0 = No children under 19 in household
- 1 = 1 or more children under 19 in household

Code categories for INCSPBSHH (restricted-use variable):

- Blank = inapplicable
- 0-n = Number of children under 19 in household

CSPOKDHH: Number of all other children (aged 18 or younger) in household living with R and her current husband or cohabiting partner

CSPOKDHH is blank (inapplicable) if R is not currently married or cohabiting with a male partner (rmarit NE 1 or 2).

This variable indicates the number of children in the married or cohabiting female's household who are:

- 1) her biological children and the relationship of the child to her current husband or cohabiting partner is unknown or not related, OR
- 2) her step, adopted, partner's, or foster child, or legal ward.

For each member of the household 18 years of age or younger (AD-4 AGE[x] <= 18), CSPOKDHH is increased by one each time a household member's relationship to the R is:

- 1) her biological child (AD-5 RELAR[x] = 3) and the relationship of the current husband or partner to the child is missing or not related (legally or by blood (AD-9 RELSPCH = . (system-missing), 5, or 6) OR
- 2) her step, adopted, partner's, or foster child, or legal ward, (AD-5 RELAR[x] = 4, 5, 6, 7, or 8) regardless of the relationship of her current husband or partner to the child.

User note: The original CSPOKDHH recode, as defined above, was top-coded for public use at 1 to represent "1 child or more." The full-detail variable called INCSPOKDHH is available through the NCHS Research Data Center.

Imputation Note: No imputation needed because CSPOKDHH is initialized to 0 for applicable respondents.

Code categories for CSPOKDHH (public-use variable):

- Blank = inapplicable
- 0 = No children under 19 in household
- 1 = 1 or more children under 19 in household

Code categories for INCSPOKDHH (restricted-use variable):

Blank = inapplicable
0-n = Number of children under 19 in household

INTCTFAM: Intact status of childhood family

INTCTFAM=**intact18**

Values of Blaise-computed variable **intact18** are used to determine values of INTCTFAM:

intact18 = 1 (yes) if R always lived with both biological/adoptive parents from birth until age 18 or until interview or until lived on own (for Rs under 18 who have lived on own) (AG-1 INTACT=1)

intact18 = 2 (no) -- if R did not always live with both biological/adoptive parents from birth until time specified above (AG-1 INTACT=5) or -- if R is less than 18 (AGE_R<18) and doesn't currently live with both biological/adoptive parents (computed variable **wthparnw**=2) and has never lived away from parents/guardians (computed variable **onown18** NE 1).

Imputation note: Imputation only needed when intact18 is missing.

Code categories:

1 = two biological or adoptive parents from birth
2 = anything other than 2 biological or adoptive parents from birth

PARAGE14: Parental living situation at age 14

PARAGE14=1 If R always lived with both biological or adoptive parents from birth until age 18/interview/living on own (computed variable intact18=1).

OR

If R lived with both biological or two adoptive parents at age 14 (AG-3 LVSIT14F=2 and AG-4 LVSIT14M=2) or (AG-3 LVSIT14F=4 AND AG-4 LVSIT14M=4)

Else

PARAGE14=2 If R lived with biological mother and step-father at age 14 (AG-3 LVSIT14F=2 and AG-4 LVSIT14M=3).

Else

PARAGE14=3 If R lived in any other parental situation at age 14, including:

one biological parent and no other parents(s)/parent-figures; or no parent(s)/parent-figures.

User note: This recode PARAGE14 is based on original, full-detail versions inputs INLVSIT14F and INLVSIT14M. The PUF versions of these inputs had categories combined for reduction of disclosure risk. The full-detail variables, INLVSIT14F and INLVSIT14M, are available through the NCHS Research Center. The full-detail recode called INPARAGE14 is also available through the NCHS Research Center.

Imputation note: Imputed when intact18 ne 1 and LVSIT14F and/or LVSIT14M are missing.

Code categories for PARAGE14 (public-use variable):

- 1=R lived with both biological or adoptive parents at age 14
- 2=R lived with biological mother and stepfather at age 14
- 3=R lived in any other parental situation or a non-parental situation at age 14

Code categories for INPARAGE14 (restricted-use variable):

- 1=R lived with both biological or adoptive parents at age 14
- 2=R lived with one biological parent and one adoptive parent at age 14
- 3=R lived with one biological and one stepparent at age 14
- 4=R lived with one biological parent and no other parent/parent figure at age 14
- 5=R lived with other parent(s)/parent figure(s) or in non-parental situation at age 14

EDUCMOM: Mother's (or mother figure's) education

EDUCMOM = Highest level of education completed by mother or mother figure (AG-6 MOMDEGRE).

EDUCMOM=95 If R was asked who she thought of as the woman who mostly raised her when she was a teenager, and identified no one, (AG-5 WOMRASDU = 9, 98,99), (no mother figure identified or refused or don't know response to AF-5 WOMRASDU).

Note: The original EDUCMOM recode, as defined above, was collapsed into 4 categories for public use so that 3 represents "Some college, including 2-year degrees" and 4 represents "Bachelor's degree or higher." The full-detail variable called INEDUCMOM is available through the NCHS Research Data Center.

Imputation note: Imputation only needed when MOMDEGRE is missing for respondents who have a mother or mother figure.

Code categories for EDUCMOM (public-use variable):

- 1 = Less than high school

- 2 = High school graduate or GED
- 3 = Some college, including 2-year degrees
- 4 = Bachelor's degree or higher
- 95 = No mother/mother figure identified

Code categories for INEDUCMOM (restricted-use variable):

- 1 = Less than high school
- 2 = High school graduate or GED
- 3 = Some college but no degree
- 4 = 2-year college degree (e.g., Associates degree)
- 5 = 4-year college graduate (e.g., BA, BS)
- 6 = graduate or professional school
- 95 = No mother/mother figure identified

AGEMOMB1: Age of mother (or mother figure) at first birth

If R reported a valid age for her mother at first birth (1 LE AG-8 MOMFSTCH LE 6), then AGEMOMB1=AG-8 MOMFSTCH.

Else if R did not identify a mother or mother figure (AG-5 WOMRASDU =9,98,99) then AGEMOMB1=95.

Else if R's mother figure had no children (AG-8 MOMFSTCH=96) then AGEMOMB1=96.

Imputation note: Imputation only needed when MOMFSTCH is missing for applicable for respondents.

Code categories:

- 1 = Less than 18 years
- 2 = 18-19 years
- 3 = 20-24 years
- 4 = 25-29 years
- 5 = 30-34 years
- 6 = 35 or older
- 95 = No mother or mother figure
- 96 = Mother figure had no biological children

Section B Recodes:
Pregnancy and Birth History

PREGNUM: Total number of pregnancies

PREGNUM is based on values of BB-1 NUMPREGS, which is asked for all respondents.

Imputation Note: *Imputed if BB-1 NUMPREGS = DK or RF. Unless data suggested otherwise, which was unlikely, PREGNUM was logically imputed to 0 in such cases.*

Code categories:
00-nn = number of pregnancies

COMPREG: Number of completed pregnancies

If R is currently pregnant (Blaise-computed variable currpreg = 1), the number of completed pregnancies is one less than the total number of pregnancies coded in recode PREGNUM. Otherwise, COMPREG EQ PREGNUM.

SAS logic:
If currpreg = 1 then COMPREG = (PREGNUM - 1);
Else if currpreg = 5 then COMPREG = PREGNUM;

Code categories:
00-nn = number of completed pregnancies

LOSSNUM: Number of completed pregnancies ending in spontaneous pregnancy loss

LOSSNUM is blank (inapplicable) if R has no completed pregnancies (recode COMPREG=0).

Otherwise, LOSSNUM indicates the total number of pregnancies R has had that ended in miscarriage, ectopic pregnancy, or stillbirth.

Each such pregnancy is counted regardless of any other outcomes reported for the pregnancy. For example, if a pregnancy ended in live birth and stillbirth, it is counted towards both LBPREGS and LOSSNUM recodes. As a result, COMPREG (the number of completed pregnancies may not equal the sum of LOSSNUM, ABORTION, and LBPREGS values.

The raw variable indicating pregnancy outcome is BB-2 PREGOUT, and for each pregnancy, up to 5 outcomes are recorded. (No case in 2022-2023 NSFG reported more than 4 outcomes.) There is also a Blaise-computed variable **prgoutcome** that indicates the primary outcome of the pregnancy, based on the following hierarchical coding:

- 1 - live birth
- 2 – induced abortion
- 3 – stillbirth
- 4 – miscarriage
- 5 – ectopic pregnancy

The prgoutcome variable is used to define the OUTCOME recode on the pregnancy file, and it is coded 6 for a current pregnancy. The LOSSNUM recode uses the BB-2 PREGOUT variable to check for all outcomes of the pregnancy, not just the main outcome captured in prgoutcome and OUTCOME.

SAS logic:

(based on pregnancy-file data sorted by case ID number and by pregordr)

```
if first.caseid and (prgoutcome NE 6 or OUTCOME in(1,2,3,4,5)) then LOSSNUM=0;
/* initialized to 0 only if 1st pregnancy is a completed pregnancy */
if PREGOUT1 in(1,2,4) or PREGOUT2 in(1,2,4) or OUTCOME in(3,4,5)
then LOSSNUM+1;
retain LOSSNUM;
if last.caseid then output LOSSNUM;
```

Note: This is a respondent file recode, but it is constructed based on the pregnancy-file data.

Imputation Note: Imputed values of LOSSNUM are based on imputed values of the pregnancy file recode OUTCOME, in conjunction with any valid PREGOUT1-2 values from pregnancy records where OUTCOME was not imputed.

Code categories:

Blank = inapplicable
00-nn = number of spontaneous losses

ABORTION: Number of completed pregnancies ending in induced abortion

ABORTION is blank (inapplicable) if R has no completed pregnancies (recode COMPREG=0).

Otherwise, ABORTION indicates the total number of pregnancies R has had that ended in induced abortion.

Each such pregnancy is counted regardless of any other outcomes reported for the pregnancy. For example, if a pregnancy ended in live birth and stillbirth, it is counted towards both LBPREGS and LOSSNUM recodes. As a result, COMPREG (the number of completed pregnancies may not equal the sum of LOSSNUM, ABORTION, and LBPREGS values.

The raw variable indicating pregnancy outcome is BB-2 PREGOUT, and for each pregnancy, up to 5 outcomes are recorded. (No case in 2022-2023 NSFG reported more than 4 outcomes.) There is also a Blaise-computed variable **prgoutcome** that indicates the primary outcome of the pregnancy based on the following hierarchical coding:

1 - live birth

- 2 – induced abortion
- 3 – stillbirth
- 4 – miscarriage
- 5 – ectopic pregnancy

The prgoutcome variable is used to define the OUTCOME recode on the pregnancy file, and it is coded 6 for a current pregnancy. The ABORTION recode uses the BB-2 PREGOUT variable to check for all outcomes of the pregnancy, not just the main outcome captured in prgoutcome and OUTCOME.

SAS logic:

(based on pregnancy-file data sorted by case ID number and by pregodr)

```

if first.caseid and prgoutcome NE 6 or OUTCOME in(1,2,3,4,5) then ABORTION=0;
/* initialized to 0 only if 1st pregnancy is a completed pregnancy */
if PREGOUT1=3 or PREGOUT2=3 or OUTCOME=2 then
ABORTION+1;
retain ABORTION;
if last.caseid then output ABORTION;

```

Note: This is a respondent file recode, but it is constructed based on the pregnancy-file data.

Imputation Note: Imputed values of ABORTION are based on imputed values of the pregnancy file recode OUTCOME, in conjunction with any valid PREGOUT1-2 values from pregnancy records where OUTCOME was not imputed.

Code categories:

- Blank = inapplicable
- 00-nn = number of abortions

LBPREGS:** **Number of pregnancies ending in live birth**

LBPREGS is blank (inapplicable) if R has no completed pregnancies (recode COMPREG=0).

Otherwise,

LBPREGS indicates the total number of pregnancies R has had that ended in live birth, based on the pregnancy file recode OUTCOME = 1 (live birth).

SAS logic:

(based on preg-based array OUTCOMn)

```

array outc {16} outcom1-outcom16;
if compreg=0 then LBPREGS=.;
else LBPREGS=0; /* initialized to 0 only if R has any completed preg */
if compreg > 0 then do i=1 to 16;

```



```
if outc(i)=1 then LBPREGS+1;
end;
```

Note: If the respondent has had any pregnancies with multiple outcomes (e.g., a pregnancy with more than 1 fetus where one was born alive and another was a stillbirth), COMPREG (the number of completed pregnancies) may not equal the sum of LOSSNUM, ABORTION, and LBPREGS values.

Code categories:

Blank = inapplicable
00-nn = number of pregnancies ending in live birth

PARITY: Total number of live births (accounting for multiple births)

The PARITY recode is based on values of Blaise-computed variable **numbabes**, which is initialized in Flow Check B-1 and updated as applicable in Flow Check B-9. The numbabes variable reflects the total number of babies born alive across all of the respondent's pregnancies that resulted in live birth. For example, the respondent may have 3 such pregnancies but PARITY=4 if one of her pregnancies resulted in twins born alive.

SAS logic:

```
If numbabes NE . then PARITY=numbabes;
Else if numbabes = . then PARITY=0; /* missing values assigned to 0
*/
```

Note: Some cases exist where values of PARITY may not correspond directly with numbabes since numbabes was based on the sum of all Blaise-computed bornaliv (Flow Check B-9) values from the female pregnancy file. Some of these values were corrected during data evaluation. Users should use PARITY instead of the computed variable numbabes to determine total number of live births.

Code categories:

00-nn = number of live births

BIRTHS5: Number of pregnancies ending in live birth in the last 5 years

BIRTHS5 is blank (inapplicable) if R has had no completed pregnancies (recode COMPREG=0).

Otherwise, BIRTHS5 indicates the total number of pregnancies ending in live birth that R has had within the 60 months before interview.

Blaise-computed variable **cmintvw** indicates “century month” date of interview, and **cmfivyr** corresponds to the century month date for 60 months before interview (**cmintvw** – 60). Recode OUTCOME = 1 for any pregnancy that results in live birth

Recode DATEND indicates century-month date when the pregnancy ended

SAS logic:

(based on pregnancy-file data sorted by case ID number and chronologically)

```
if first.caseid and OUTCOME NE 6 then BIRTHS5=0;
/* initialized to 0 only if 1st pregnancy is a completed pregnancy */
if OUTCOME=1 and (cmfivyr<= DATEND) then BIRTHS5+1;
retain BIRTHS5;
if last.caseid then output BIRTHS5;
```

Note: This is a respondent file recode, but it is constructed based on the pregnancy file data.

Imputation note: Based on imputed values of DATEND and OUTCOME.

Code categories:

Blank = Inapplicable

0-n = Number of pregnancies ending in live birth in last 5 years

OUTCOMnn:** Outcome of Nth pregnancy

OUTCOMnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,

OUTCOMnn is transferred from the final imputed value of pregnancy file recode OUTCOME for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

Blank = Inapplicable

1 = Live birth

2 = Induced abortion

3 = Stillbirth

4 = Miscarriage

5 = Ectopic pregnancy

6 = Current pregnancy

DATENDnn:** Year when Nth pregnancy ended

DATENDnn is blank (inapplicable) if:

-- R has been pregnant less than N times (recode PREGNUM LT N), or

-- R is currently pregnant with her Nth pregnancy (recode PREGNUM EQ N and recode OUTCOMnn=6)

Otherwise,
if R has had N or more completed pregnancies (recode COMPREG GE N), then DATENDnn is transferred from the final imputed value of pregnancy file recode DATEND for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

User note: For inclusion on the 2022-2023 public-use files, the CM dates for DATENDnn were converted to years. The original CM date variables INDATENDnn are restricted use and available only through the NCHS Research Data Center.

Code categories for DATENDnn (public-use variable):

Blank = inapplicable
xxxx - 2023 = Year pregnancy ended

Code categories for INDATENDnn (restricted-use variable):

Blank = inapplicable
xxxx - 1488 = date (century month) pregnancy ended

AGEPRGnn:** R's age when Nth pregnancy ended

AGEPRGnn is blank (inapplicable) if:

- R has been pregnant less than N times (recode PREGNUM LT N), or
- R is currently pregnant with her Nth pregnancy (recode PREGNUM EQ N and recode OUTCOMnn=6)

Otherwise,
if R has had N or more completed pregnancies (recode COMPREG GE N), then AGEPRGnn is transferred from the final imputed value of pregnancy file recode AGEPRG for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

Blank = inapplicable
xx-49 = age at Nth pregnancy outcome

DATCONnn:** Year of Nth conception

DATCONnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,
if R has had an Nth pregnancy (recode PREGNUM GE N), then DATCONnn is transferred from the final imputed value of pregnancy file recode DATECON for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

User note: For inclusion on the 2022-2023 public-use files, the CM dates for DATCONnn

were converted to years. The original CM date variable INDATCONnn are restricted use and available only through the NCHS Research Data Center.

Code categories for DATCONnn (public-use variable):

Blank = inapplicable
xxxx - 2023 = Year of nth pregnancy conception

Code categories for INDATCONnn (restricted-use variable):

Blank = inapplicable
xxxx - 1488 = date (century month) of nth pregnancy conception

AGECONnn:** R's age when Nth pregnancy began (was conceived)

AGECONnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,
if R has had an Nth pregnancy (recode PREGNUM GE 1), then AGECONnn is transferred from the final imputed value of pregnancy file recode AGECON for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

Blank = inapplicable
xx-49 = age at Nth pregnancy conception

CEBOW: Number of R's children born outside of marriage

CEBOW is blank (inapplicable) if R has never had a live birth (recode PARITY=0).

Otherwise, CEBOW indicates the total number of children R has had outside of marriage, based on imputed values of pregnancy file recodes RMAROUT3 and OUTCOME, and factoring in the number babies born alive from the pregnancy (computed variable **bornaliv** defined in Flow Check B-9).

Note: CEBOW is only incremented by values >1 if bornaliv > 1, that is, if it was a multiple birth.

SAS logic:

(based on pregnancy-file data sorted by case ID number and pregnancy order)

```
if first.caseid and OUTCOME NE 6 then CEBOW=0;
/* initialized to 0 only if 1st pregnancy is a completed pregnancy */
if RMAROUT3 in(2,3) and OUTCOME=1 then do;
    if 1 LE bornaliv LT 97 then CEBOW + bornaliv;
```

```
end;  
retain CEBOW;  
if last.caseid then output CEBOW;
```

Note: This is a respondent file recode, but it is constructed based on the pregnancy-file data.

Code categories:

Blank = inapplicable
00-nn = number of children born out of wedlock

CEBOWC: Number of R's children born in cohabiting unions

CEBOWC is blank (inapplicable) if R has never had a live birth (recode PARITY=0).

Otherwise, CEBOWC indicates the total number of children R has had during cohabiting unions, based on imputed values of pregnancy file recodes RMAROUT3 and OUTCOME, and factoring in the number babies born alive from the pregnancy (computed variable **bornaliv** defined in Flow Check B-9).

Note: CEBOWC is only incremented by values >1 if bornaliv > 1 (multiple birth).

SAS logic:

(based on pregnancy-file data sorted by case ID number and pregnancy order)

```
if first.caseid and OUTCOME NE 6 then CEBOWC=0;  
/* initialized to 0 only if 1st pregnancy is a completed pregnancy */  
if RMAROUT3=2 and OUTCOME=1 then do;  
    if 1 LE bornaliv LT 97 then CEBOWC + bornaliv;  
end;  
retain CEBOWC;  
if last.caseid then output CEBOWC;
```

Note: This is a respondent file recode, but it is constructed based on the pregnancy-file data.

Code categories:

Blank = inapplicable
00-nn = number of children born in cohabiting unions

DATBABY1:** Year of R's first live birth

DATBABY1 is blank (inapplicable) if R has never had a live birth (recode PARITY=0).

Otherwise,

DATBABY1 is equal to the final imputed value of pregnancy file recode DATEND for R's first pregnancy that ended in a live birth (where recode OUTCOME first equals 1).

SAS logic:

```
array outc {16} outcom1-outcom16;  
array endCM {16} datend1-datend16;  
if parity = 0 then DATBABY1 = .;  
else if parity > 0 then do i=1 to 16 while (DATBABY1 = .);  
    if outc(i)=1 then DATBABY1= endCM(i);  
end;
```

Note: *For inclusion on the 2022-2023 public-use files, the CM date for R's first live birth was converted to years. The original CM date variable INDATBABY1 is restricted-use and available only through the NCHS Research Data Center.*

Code categories for DATBABY1 (public-use variable):

Blank	= inapplicable
xxxx - 2023	= Year of first live birth

Code categories for INDATBABY1 (restricted-use variable):

Blank	= inapplicable
xxxx - 1488	= date (century month) of 1 st live birth

AGEBABY1:** **R's age at first live birth**

AGEBABY1 is blank (inapplicable) if R has never had a live birth (recode PARITY=0 or DATBABY1 = sysmis).

Otherwise,

AGEBABY1 is computed based on recode DATBABY1 and Blaise-computed variable **cmbirth**, which is the century-month when R was born.

SAS logic:

```
if datbaby1 = . then agebaby1 = .;  
else agebaby1 = int((datbaby1-cmbirth)/12);
```

Code categories:

Blank	= inapplicable
xx-49	= age at first live birth

Section C Recodes:
Marriage and Relationship History

FMARNO: **Number of times R has been married to a man**

Note: The FMARNO recode for males is defined based on items in male Section A.

FMARNO = 0 if R has never been married to a man (recode FMARITAL = 5).

Else, if R has ever been married to a man (FMARITAL NE 5) and CA-1 TIMESMAR NE DK/RF then FMARNO=TIMESMAR.

Else, if TIMESMAR=DK/RF then FMARNO=1 (*FMARNO is set to 1 in this situation to mirror routing in the instrument*).

Code categories:

0 = Never been married to a man
1-n = Number of marriages to men

CSPBIOKD: Number of biological children R has had with her current husband or male cohabiting partner

CSPBIOKD is blank (inapplicable) if R is not currently married to a man or cohabiting with a male partner (rmarit NE 1 or 2)

This variable indicates the number of biological children the married or cohabiting female respondent has ever had with her current husband or male partner, regardless of these children's current ages or living arrangements.

If R is currently cohabiting with a man (RMARITAL=2) then CSPBIOKD is based on CC-13 BIOCP and CC-14 BIONUMCP:

If RMARITAL=2 then do;
 If BIOCP in(5,8,9) or hasbabes=5 then CSPBIOKD=0;
 Else if BIOCP=1 and (1 <= BIONUMCP <= 25) then CSPBIOKD=BIONUMCP;
 Else if BIONUMCP GT 96 (DK/RF) then impute CSPBIOKD;
End;

If R is currently married to a man (RMARITAL=1) then CSPBIOKD is based on CB-15 BIOHUSBxx and CB-16 BIONUMHxx from the latest loop of the marriage history, which describes R's current husband (i.e., where xx=CB-1 TIMESMAR and TIMESMAR NE DK/RF). If R is currently married to her 1st husband and her 1st pregnancy ended after her marriage date, then CSPBIOKD is based on recode PARITY.

If RMARITAL=1 then do;
 if hasbabes=1 and TIMESMAR=1 and (cmfstprg > cmmarrch) and BIOHUSBxx=
 then CSPBIOKD=PARITY;
 else if BIOHUSBxx in(5,8,9) or hasbabes=5 then CSPBIOKD=0;
 else if BIOHUSBxx=1 and (1 <= BIONUMHxx <= 25) then

CSPBIOKD=BIONUMHxx;
else if BIOHUSBxx GT 96 (DK/RF) then impute CSPBIOKD;
end;

Imputation note: Imputed if R has reported DK/RF on the applicable question on number of children with current husband or cohabiting partner. CSPBIOKD cannot be imputed to a value greater than PARITY.

Code categories:

Blank = inapplicable
0-nn = number of biological children R has had with her current husband or male cohabiting partner

MARDAT01-02: Year of R's marriage to Nth husband

Note: For 2022-2023 NSFG, this recode is only being defined for R's 1st and 2nd husbands. As in past NSFG years, those women who responded DK/RF to CB-1 TIMESMAR were routed through for 1 marriage, so they will be inapplicable on this recode for a 2nd marriage.

MARDATnn is blank (inapplicable) if R has never been married to a man (recode FMARITAL = 5) or has been married fewer than nn times (recode FMARNO LT nn).

Otherwise,

MARDATnn is transferred from Blaise-computed variable **cmmarrhx** (defined in Flow Check C-7) corresponding to R's Nth husband, for only the first 2 husbands.

Imputation Note: Imputed for cases with DK/RF values on computed variable cmmarrhx.

Note: The MARDATnn recodes were defined initially as CM dates of marriage, but for inclusion on the 2022-2023 public-use files, the CM dates were converted to years of marriage. The original CM dates are restricted-use, available only through the NCHS Research Data Center.

Code categories for MARDATnn (public-use variable):

Blank = inapplicable
xxxx - 2023 = Year when marriage to Nth husband began

Code categories for INMARDATnn (restricted-use variable):

Blank = Inapplicable
xxxx-1488 = CM date when marriage to Nth husband began

MAREND01-02: How the marriage to Nth husband ended

Note: For 2022-2023 NSFG, this recode is only being defined for R's 1st and 2nd husbands. As in past NSFG years, those women who responded DK/RF to CB-1 TIMESMAR were routed through for 1 marriage, so they will be inapplicable on this recode for a 2nd marriage.

MARENDnn is blank (inapplicable) if:

- R has never been married to a man (recode FMARITAL = 5) or
- R has been married to a man fewer than nn times (recode FMARNO LT nn) or
- R has been married to a man nn times (FMARNO = nn) and that last marriage is intact (recode FMARITAL = 1).

Otherwise,

If R has been married to a man N times, define MARENDnn based on values of recode FMARITAL:

If FMARITAL=3, then MARENDnn=1 (divorced or annulled)

If FMARITAL=4, then MARENDnn=2 (separated)

If FMARITAL=2, then MARENDnn=3 (widowed)

Else, if R has been married to a man more than N times (FMARNO GT N), define MARENDnn based on responses to CB-17 MARENDHx corresponding to the Nth marriage: *(note that separation is not possible for MARENDnn if FMARNO GT N)*

If MARENDHx=2 or 3, then MARENDnn=1 (divorced or annulled) If MARENDHx=1, then MARENDnn=3 (widowed)

Imputation Note: Imputed for cases with DK/RF values on CB-17 MARENDHx.

Code categories:

Blank = inapplicable
1 = Divorced or annulled
2 = Separated
3 = Widowed

MARDIS01-02: Year of dissolution of Nth marriage to a man

Note: For 2022-2023 NSFG, this recode is only being defined for R's 1st and 2nd husbands. As in past NSFG years, those women who responded DK/RF to CB-1 TIMESMAR were routed through for 1 marriage, so they will be inapplicable on this recode for a 2nd marriage.

MARDISnn is blank (inapplicable) if:

- R has never been married to a man (recode FMARITAL = 5) or
- R has been married to a man fewer than nn times (recode FMARNO LT nn) or
- R has been married to a man nn times (FMARNO = nn) and that last marriage is

intact (recode FMARITAL = 1).

Otherwise,

MARDISnn is transferred from the appropriate non-blank Blaise-computed variable indicating century-month when R's marriage to Nth husband dissolved:

cmmarendx - (computed in Flow Check C-18) if marriage ended when husband died or if marriage ended in divorce/annulment either before or in same mo/yr as R stopped living with this husband (cmmarendx LE cmstphsbx if latter date is nonsymis).

cmstphsbx - if marriage ended in separation, or if it ended in divorce/annulment but R stopped living with husband before divorce/annulment, or if cmmarendx is symis but valid date reported in this variable.

Imputation Note: Imputed for cases with DK/RF values on source variable cmmarendx or cmstphsbx (where applicable).

Note: The MARDISnn recodes were defined initially as CM dates of marriage dissolution, but for inclusion on the 2022-2023 public-use files, the CM dates were converted to years of marriage dissolution. The original CM dates are restricted-use, available only through the NCHS Research Data Center.

Code categories for MARDISnn (public-use variable):

Blank =Inapplicable
xxxx-2023 =Year when marriage to Nth husband dissolved

Code categories for INMARDISnn (restricted-use variable):

Blank =Inapplicable
xxxx-1488 =CM date when marriage to Nth husband dissolved

FMAR1AGE: Age at first marriage to a man

FMAR1AGE is blank (inapplicable) if R has never been married to a man (recode FMARITAL = 5).

Otherwise, FMAR1AGE is computed as follows:

$$\text{FMAR1AGE} = \text{INT}[(\text{MARDAT01} - \text{cmbirth})/12]$$

Imputation note: Computed based on imputed values of source recode MARDAT01.

Note: For 2022-2023, the original FMAR1AGE recode, as defined above, was bottom-coded for public use at 16 to represent age 16 or younger. The full-detail variable called INFMAR1AGE is available through the NCHS Research Data Center.

Code categories for FMAR1AGE (public-use variable):

Blank = inapplicable
16 = age 16 years or younger
17-49 = age (in years) at first marriage to a man

Code categories for INFMAR1AGE (restricted-use variable):

Blank = inapplicable
nn-49 = age (in years) at first marriage to a man

AGEDISS1: Age at dissolution of 1st marriage to a man

AGEDISS1 is blank (inapplicable) if:

- R has never been married to a man (recode FMARITAL = 5) or
- R's first marriage to a man is intact (recode FMARNO = 1 and FMARITAL = 1)

Otherwise, AGEDISS1 is computed as follows:

$$\text{AGEDISS1} = \text{INT}[(\text{MARDIS01} - \text{cmbirth})/12]$$

Imputation note: Computed based on imputed values of source recode MARDIS01.

Note: For 2022-2023, the original AGEDISS1 recode, as defined above, was bottom-coded for public use at 16 to represent age 16 or younger. The full-detail variable called INAGEDISS1 is available through the NCHS Research Data Center.

Code categories for AGEDISS1 (public-use variable):

Blank = inapplicable
16 = age 16 years or younger
17-49 = age (in years) at dissolution of first marriage to a man

Code categories for INAGEDISS1 (restricted-use variable):

Blank = inapplicable
nn-49 = age (in years) at dissolution of first marriage to a man

AGEDD1: Age at divorce or death: 1st marriage to a man

AGEDD1 is blank (inapplicable) if:

- R has never been married to a man (recode FMARITAL = 5) or
- R's first marriage to a man is intact (FMARNO = 1 and FMARITAL = 1) or
- R's first marriage to a man dissolved by separation only (FMARNO = 1 and FMARITAL = 4).

Otherwise,

AGEDD1 = AGEDISS1 if:

- R's first marriage to a man ended in widowhood (recode MAREND01=3); or
- R's first marriage to a man ended in divorce or annulment (recode MAREND01=1) and the date the marriage ended (Blaise-computed variable **cmmarendx_1** defined in Flow Check C-18) LE date when R last lived with her first husband (Blaise-computed variable **cmstphsbx_1** defined in Flow Check C-21).

AGEDD1 = INT[(cmmarendx_1 - cmbirth)/12] if

- R's first marriage to a man ended in divorce or annulment (recode MAREND01=1) and the date the marriage ended (cmmarendx_1) GT date when R last lived with her first husband (cmstphsbx_1). *(For these cases AGEDISS1 captures date when coresidence ended, and AGEDD1 captures date when formal marital dissolution occurred.)*

Imputation Note: Computed based on imputed values of source recodes AGEDISS1 or MAREND01, but imputation may also be needed if DK/RF or sysmis values on cmmarendx_1 or DK/RF values on cmstphsbx_1.

Note: For 2022-2023, the original AGEDD1 recode, as defined above, was bottom-coded for public use at 16 to represent age 16 or younger. The full-detail variable called INAGEDD1 is available through the NCHS Research Data Center.

Code categories for AGEDD1 (public-use variable):

- Blank = inapplicable
- 16 = age 16 years or younger
- 17-49 = age (in years) when 1st marriage to a man ended in divorce or widowhood

Code categories for INAGEDD1 (restricted-use variable):

- Blank = inapplicable
- nn-49 = age (in years) when 1st marriage to a man ended in divorce or widowhood

MAR1DISS:** **Months between first marriage to a man and dissolution of that marriage (or date of interview)**

MAR1DISS is blank (inapplicable) if R has never been married to a man (recode FMARITAL = 5).

Otherwise, this recode is defined based on final imputed values of recodes FMARNO, FMARITAL, and MARDAT01, plus cmintvw indicating CM date of interview.

If R's first marriage is still intact (FMARNO = 1 and FMARITAL = 1), then:

$$\text{MAR1DISS} = \text{cmintvw} - \text{MARDAT01}$$

Else if R has been married more than once (FMARNO GT 1), or if R has been married only once (FMARNO = 1) and the marriage is NOT intact (FMARITAL = 2, 3, or 4),

then:

MAR1DISS = MARDIS01 - MARDAT01

SAS logic:

```
if fmarital = 5 then mar1diss = .;
else if fmarno = 1 and fmarital = 1 then mar1diss = cmintvw - mardat01;
else if fmarno > 1 or (fmarno = 1 and fmarital in(2 3 4)) then mar1diss = mardis01-
mardat01;
```

User Note: MAR1DISS was defined based on original CM values of the applicable recodes, and then redefined as a categorical variable for inclusion on the public-use file. The restricted-use variable INMAR1DISS, available in the NCHS Research Data Center, shows the exact number of months as originally defined.

Code categories for MAR1DISS (public-use variable):

Blank	= inapplicable
1	= 0-12 months
2	= 13-24 months
3	= 25-36 months
4	= 37-48 months
5	= More than 4 years

Code categories for INMAR1DISS (restricted-use variable):

Blank	= inapplicable
000	= less than 1 month
1-999	= months between 1st marriage and dissolution (or interview)

MAR1CON1:** Months between first marriage to a man and first pregnancy conception (or date of interview)

MAR1CON1 is blank (inapplicable) if R has never been pregnant (recode PREGNUM = 0) and has never been married to a man (recode FMARITAL = 5).

Otherwise, this recode is defined based on final imputed values of recodes FMARITAL, PREGNUM, and MARDAT01, along with blue recode DATCON1 and cmintvw indicating CM date of interview.

If R has ever been pregnant (PREGNUM GT 0) but has never been married (FMARITAL = 5), then MAR1CON1 = 996

Else if R has ever been pregnant (PREGNUM GT 0) and has ever been married (FMARITAL NE 5), then:

If the date of first conception is earlier than the date of first marriage (DATCON1 LT

MARDAT01), then first conception occurred before marriage, and MAR1CON1 = 995.

If the date of first conception is equal to or later than the date of first marriage (DATCON1 GE MARDAT01), then MAR1CON1 = (DATCON1 - MARDAT01).

Else if R has never been pregnant (PREGNUM = 0) but has ever been married (FMARITAL NE 5), then MAR1CON1 = cmintvw - MARDAT01.

SAS logic:

```
If pregnum = 0 and fmarital = 5 then mar1con1 = .;
Else if pregnum > 0 and fmarital = 5 then mar1con1 = 996;
Else if pregnum > 0 and fmarital in(1 2 3 4) then do;
  If datcon1 < mardat01 then mar1con1 = 995;
  Else if datcon1 GE mardat01 then mar1con1 = datcon1-mardat01;
End;
Else if pregnum = 0 and fmarital in(1 2 3 4) then mar1con1 = cmintvw-mardat01;
```

Note: MAR1CON1 was defined based on original CM values of the applicable recodes, and then redefined as a categorical variable for inclusion on the public-use file. The restricted-use variable INMAR1CON1, available in the NCHS Research Data Center, shows the exact number of months as originally defined.

Code categories for MAR1CON1 (public-use variable):

Blank	= inapplicable
1	= 0-12 months
2	= 13-24 months
3	= 25-36 months
4	= More than 3 years
995	= 1st conception occurred before 1st marriage
996	= has been pregnant, but has never been married

Code categories for INMAR1CON1 (restricted-use variable):

Blank	= inapplicable
000	= less than 1 month
001-nnn	= months between 1st marriage and 1st conception (or interview)
995	= 1st conception occurred before 1st marriage
996	= has been pregnant, but has never been married

CON1MAR1:** **Months between first pregnancy conception and first marriage to a man (or date of interview)**

CON1MAR1 is blank (inapplicable) if R has never been pregnant (recode PREGNUM = 0)

and has never been married to a man (recode FMARITAL = 5).

Otherwise, this recode is defined based on final imputed values of recodes FMARITAL, PREGNUM, and MARDAT01, along with blue recode DATCON1 and cmintvw indicating CM date of interview.

If R has ever been pregnant (PREGNUM GT 0) and has ever been married (FMARITAL NE 5), then:

If the date of first marriage is the same or earlier than the date of first conception (MARDAT01 LE DATCON1), then first conception occurred after or in the same month as first marriage, and CON1MAR1 = 995.

Else if the date of first marriage is later than the date of first conception (MARDAT01 GT DATCON1), then CON1MAR1 = (MARDAT01-DATCON1).

Else if R has ever been pregnant (PREGNUM GT 0) but has never been married (FMARITAL = 5), then CON1MAR1 = cmintvw - DATCON1.

Else if R has never been pregnant (PREGNUM = 0) but has ever been married (FMARITAL NE 5), then CON1MAR1 = 996.

SAS logic:

```
If pregnum = 0 and fmarital = 5 then con1mar1 = .;
Else if pregnum > 0 and fmarital in(1 2 3 4) then do;
    If mardat01 LE datcon1 then con1mar1 = 995;
    Else if mardat01 > datcon1 then con1mar1 = mardat01-datcon1;
End;
Else if pregnum > 0 and fmarital = 5 then con1mar1 = cmintvw-datcon1;
Else if pregnum = 0 and fmarital in(1 2 3 4) then con1mar1 = 996;
```

Note: CON1MAR1 was defined based on original CM values of the applicable recodes, and then redefined as a categorical variable for inclusion on the public-use file. The restricted-use variable INCON1MAR1, available in the NCHS Research Data Center, shows the exact number of months as originally defined.

Code categories for CON1MAR1 (public-use variable):

Blank	= inapplicable
1	= 0-12 months
2	= 13-24 months
3	= 25-36 months
4	= More than 3 years
996	= has been married, but has never been pregnant

Code categories for INCON1MAR1 (restricted-use variable):

Blank = inapplicable
000 = less than 1 month
1-*nnn* = months between 1st conception and 1st marriage (or interview)
995 = 1st conception after or in same month as 1st marriage
996 = has been married, but has never been pregnant

B1PREMAR:** **Whether R's 1st live birth was before 1st marriage to a man**

B1PREMAR is blank (inapplicable) if R has never had a live birth (recode PARITY=0).

Otherwise, this recode is constructed based on final, imputed values of recodes FMARITAL and MARDAT01, plus blue recode DATBABY1.

If R has never been married to a man (FMARITAL = 5) or her first birth occurred before her first marriage to a man (DATBABY1 < MARDAT01) then B1PREMAR = 1 (yes).

SAS logic:

If parity = 0 then b1premar=.;
Else if fmarital = 5 or datbaby1 < mardat01 then b1premar = 1;
Else b1premar = 2;

Note: If users wish to limit to respondents who have ever been married, they should subset cases with FMARITAL NE 5.

Code categories:

Blank = inapplicable
1 = yes (1st birth before 1st marriage to a man, including never-married)
2 = no (1st birth in same month as or later than 1st marriage to a man)

COHAB1: **Year of first cohabitation (including premarital cohabitation) with a man**

COHAB1 is blank (inapplicable) if R has never cohabited with a man outside of marriage (computed variable evrcohab=5).

Otherwise:

COHAB1 is the earliest, nonmissing date from among:

cmprmcohx_1-cmpcohx_6 - CM when R began premarital cohabitation with each of up to 6 husbands
cmstrtcp - CM when R began living with current male cohabiting partner
cmcoh1st - CM when R began living with first former male cohabiting partner

Note: The COHAB1 recode was defined initially as CM date of first cohabitation, but for inclusion on the 2022-2023 public-use files, the CM date was converted to year of first

cohabitation. The original CM date variable is restricted-use, available only through the NCHS Research Data Center.

Imputation Note: COHAB1 was imputed if either:

--cases reported a previous cohabitation but were missing all information on previous cohabitation dates

--there were DK/RF values on the following applicable cohab dates:

- Lowest-order applicable premarital cohab reported in CB series or
- 1st former cohab reported in CD series or
- Current cohab partner reported in CC series, and there were no other applicable cohabitation dates

Also, imputed values of COHAB1 **cannot**:

- equal *cmstrtcp* if R is currently cohabiting (*RMARITAL*= 2) and Blaise-computed variable **prevcohb** >= 1. If this occurred, COHAB1 was imputed to a value earlier than *cmstrtcp*.
- equal date of cohabitation with current husband (*cmpmcohx_1-cmpcohx_6*, corresponding to R's Nth husband where *FMARNO=N*) if R is currently married (*RMARITAL*= 1) and **prevcohb** >= 1. If this occurred, COHAB1 was imputed to a value earlier than date of cohabitation with current husband (*cmpmcohx_1-cmpcohx_6*, corresponding to R's Nth husband where *FMARNO=N*).
- be earlier than *VRYISTSX*

Code categories for COHAB1 (public-use variable):

Blank = inapplicable
xxxx - 2023 = Year of first cohabitation with a man

Code categories for INCOHAB1 (restricted-use variable):

Blank = Inapplicable
xxxx-1488 = CM date when R began 1st cohabitation with a man

COHSTAT: **Opposite-sex cohabitation experience relative to first marriage to a man**

COHSTAT = 1 if R has never cohabited with a man outside of marriage (Blaise-computed variable *evrcohab* = 5). (*evrcohab* computed in Flow Check C-32)

Else

COHSTAT = 2 -- if R has never been married to a man (recode *FMARITAL* = 5) but has cohabited with a man (*evrcohab* =1); or
-- if R has ever been married to a man (*FMARITAL* NE 5) and has cohabited with a man (*evrcohab* =1) and date of first cohabitation with a man (recode COHAB1) is same as or earlier than date of marriage to first husband (recode *MARDAT01*).

Else COHOUT = 4

if the outcome of R's first cohabitation to a man is dissolution without marriage (COHAB1 came from cmcoh1st). (Blaise-computed variable cmcoh1st indicates CM start date of cohabitation with first male former cohabiting partner).

Imputation Note: Missing data may result in undefined values on this recode, and these were not imputed for 2022-2023.

Code categories:

Blank= inapplicable
1 = intact cohabitation with a man
2 = intact marriage to a man
3 = dissolved marriage to a man
4 = dissolved cohabitation with a man

COH1DUR: Duration (in months) of R's first cohabitation to a man

COH1DUR is blank (inapplicable) if R has never cohabited with a man outside of marriage (computed variable evrcohab=no).

Otherwise:

COH1DUR = number of months between recode COHAB1 and appropriate end date from below:

- Blaise-computed **cmintvw** if 1st cohabitation is intact (recode COHOUT=1)
- or
- appropriate recode among MARDAT01-MARDAT02 if recode FMARNO GE 1 and 1st cohabitation with a man resulted in R's 1st or 2nd marriage, whether intact or dissolved marriage (COHOUT=2 or 3)
- or
- appropriate Blaise-computed variable among cmmarhx_3-cmmarhx_6 if FMARNO GE 3 and 1st cohabitation with a man resulted in R's 3rd or higher-order marriage, whether intact or dissolved marriage (COHOUT=2 or 3)
- or
- end date of 1st cohabitation with a man (Blaise-computed cmstpcoh1 if 1st cohabitation dissolved (COHOUT=4))

Note: COH1DUR was defined based on original CM dates of the applicable events, and then redefined as a categorical variable for inclusion on the public-use file. INCOH1DUR, available in the NCHS RDC, shows the exact number of months as originally defined.

In cases where COHOUT=2 or 3 (1st cohabitation to a man resulted in marriage), COH1DUR indicates duration of premarital cohabitation. Users may wish to subset cases based on value of COHOUT, the recode indicating outcome of R's first cohabitation to a man.

Imputation Note: *Imputed when applicable source dates are DK/RF, or when respondents provided dates stopped living together that occurred before cohabitation start dates, or provided a premarital cohabitation date that is later than the marriage date.*

Code categories for COH1DUR (public-use variable):

Blank = inapplicable
1 = 0-12 months
2 = 13-24 months
3 = 25-36 months
4 = 37-48 months
5 = More than 4 years

Code categories for INCOH1DUR (restricted-use variable):

Blank = inapplicable
0 = Less than 1 month
1-nn = number of months

HADSEX:** **“Whether R has ever had sexual intercourse with a male”**

HADSEX is based on values of Blaise-computed variable **rhadsex**, as defined in Flow Checks C-42 and C-44.

If rhadsex=1 then HADSEX=1.
Else if rhadsex=5 then
HADSEX=2.

Imputation Note: *None is needed because rhadsex was set to 5 when CE-1 EVERSEX=5, DK or RF.*

Code categories:

1 = Yes, R ever had intercourse
2 = No, R never had intercourse

VRY1STAG:** **R’s age at first sexual intercourse**

VRY1STAG is blank (inapplicable) if R has never had intercourse (recode HADSEX=2).

Otherwise,

If VRY1STAG is computed based on the final imputed value of VRY1STSX, the recode indicating CM date of R’s 1st sexual intercourse, and R’s CM date of birth.

SAS logic:

```
if hadsex=2 then vry1stag=.;
else if hadsex=1 then vry1stag = int((vry1stsx-cmbirth)/12);
```

Note: For 2022-2023, the original VRY1STAG recode, as defined above, was bottom-coded for public use at 10 to represent age 10 or younger. The full-detail variable called INVRY1STAG is available through the NCHS Research Data Center.

Code categories for VRY1STAG (public-use variable):

Blank	= inapplicable
10	= age 10 years or younger
11-49	= age in years
97	= not ascertained

Code categories for INVRY1STAG (restricted-use variable):

Blank	= inapplicable
xx-49	= age in years

SEXONCE: Whether R has had sexual intercourse with a male only once

SEXONCE is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX=no).

Otherwise:

SEXONCE=1 (R has had sex only once) if CE-9 SXMTONCE=5 (no).

SEXONCE=2 (R has had sex more than once) if:

- R has ever been married or ever cohabited (computed variables evrmarry=1 or evrcohab=1) or had two or more pregnancies (numpregs GE 2) or
- R reported that she has had sex more than once (CE-9 SXMTONCE=1)

Imputation Note: Imputation needed for cases with CE-9 SXMTONCE = DK or RF.

Code categories:

Blank	= inapplicable
1	= Yes (R has had sexual intercourse with a male only once)
2	= No (R has had sexual intercourse with a male more than once)

VRY1STSX: Date of first intercourse (even if before first menstrual period)

VRY1STSX is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX = 2) and cmfstsex ne 9996.

Otherwise,

VRY1STSX = cmfstsex

Values of Blaise-computed variable cmfstsex are used to determine values of VRY1STSX (see Flow Check C-44 for the definition of cmfstsex).

Note: When the corresponding recode VRY1STAG has been bottom-coded at 10 for public use or the date reported was when the respondent was age 10 or younger, values of VRY1STSX are coded as 9997 (not ascertained). The original, full-detail variable called INVRY1STSX is available through the NCHS Research Data Center.

Imputation Note: Needed for cases where cmfstsex = DK or RF. Values of FSEXAGE, if available, could be used to guide imputed value of cmfstsex.

Code categories VRY1STSX (public-use variable):

Blank	= inapplicable
xxxx-nnnn	= CM date of first intercourse
9996	= responded she never had intercourse
9997	= not ascertained

Code categories INVRY1STSX (restricted-use variable):

Blank	= inapplicable
xxxx-nnnn	= CM date of first intercourse
9996	= responded she never had intercourse

FPDUR: Number of months between first and last/most recent sexual intercourse with first partner ever

FPDUR is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX=2).

Else if Blaise-computed variable cmlsexfp (defined in Flow Check C-57) not system-missing, 9998, or 9999 then:

If cmlsexfp=9996 then FPDUR=997.
Else FPDUR = cmlsexfp minus VRY1STSX

Imputation note: Imputation needed if inputs are missing and also computed based on imputed values of VRY1STSX. Imputation needed if cmlsexfp is earlier (less than) VRY1STSX.

Code categories:

Blank	= Inapplicable
0 – nnn	= number of months
997	= only had sex once with partner

SEXMAR:** Months between first intercourse and first marriage (or interview)

SEXMAR is blank (inapplicable) if R has never had sexual intercourse (recode HADSEX = 2).

Otherwise, this recode is defined based on final imputed values of recodes HADSEX, FMARITAL, VRY1STSX, and MARDAT01, plus cmintvw indicating CM date of interview.

If R has never been married (FMARITAL = 5), SEXMAR is the number of months between VRY1STSX and cmintvw (cmintvw – VRY1STSX).

Else if R has ever been married (FMARITAL NE 5) then:

If date of first intercourse was *before or same as* date of first marriage (VRY1STSX LE MARDAT01) then SEXMAR = MARDAT01 - VRY1STSX.

Else if date of first intercourse was *after* date of first marriage (VRY1STSX GT MARDAT01) then SEXMAR=996.

SAS logic:

```
If hadsex = 2 then sexmar=.;  
Else if fmarital = 5 then sexmar = cmintvw-vry1stsx;  
Else if fmarital in(1 2 3 4) then do;  
    If vry1stsx LE mardat01 then sexmar = mardat01-vry1stsx;  
    Else if vry1stsx > mardat01 then sexmar = 996;  
End;
```

Note: SEXMAR was initially defined based on original CM values of the applicable recodes, and then redefined as a categorical variable for inclusion on the public-use file. INSEXMAR, available in the NCHS Research Data Center, shows the exact number of months as originally defined.

Code categories for SEXMAR (public-use variable):

Blank	=	inapplicable
1	=	0-12 months
2	=	13-24 months
3	=	25-36 months
4	=	More than 3 years
5	=	First intercourse after first marriage

Code categories for INSEXMAR (restricted-use variable):

Blank	=	inapplicable
0	=	first intercourse in same month as marriage
1-nnn	=	1 to nnn months after first intercourse
996	=	first intercourse after first marriage

SEXUNION:** **Months between first intercourse and first coresidential union with a man (or interview)**

SEXUNION is blank (inapplicable) if R has never had sexual intercourse (recode HADSEX = 2).

Otherwise, this recode is defined based on final imputed values of recodes HADSEX, FMARITAL, VRY1STSX, MARDAT01, COHSTAT, and COHAB1, plus evrcohab computed variable indicating “ever cohabited with a male” and cmintvw indicating CM date of interview.

If R has never been married to a man (FMARITAL = 5) and never cohabited with a man outside of marriage (evrcohab=5), then SEXUNION is based on interval between 1st sexual intercourse and the interview (cmintvw – VRY1STSX).

Else, if R has ever been married (FMARITAL NE 5) but has never cohabited outside of marriage (evrcohab=5),

Or if R has ever been married (FMARITAL NE 5), has ever cohabited outside of marriage (evrcohab=1), and 1st cohabitation began after 1st marriage (COHSTAT=3):

Then SEXUNION has same value as SEXMAR.

Else, if R has never been married (FMARITAL=5) but has ever cohabited outside of marriage (evrcohab=1), SEXUNION is based on the interval between 1st sexual intercourse and 1st cohabitation:

If 1st cohabitation in same month or later than 1st intercourse (COHAB1 GE VRY1STSX), then SEXUNION = COHAB1 - VRY1STSX.

Else if 1st intercourse occurred later than 1st cohabitation (VRY1STSX > COHAB1), then SEXUNION = 996.

Else, if R has ever been married (FMARITAL NE 5), has ever cohabited outside of marriage (evrcohab=1), and 1st cohabitation began before 1st marriage (COHSTAT=2), SEXUNION is based on the interval between 1st sexual intercourse and 1st cohabitation:

If 1st cohabitation in same month or later than 1st intercourse (COHAB1 GE VRY1STSX), then SEXUNION = COHAB1 - VRY1STSX.

Else if 1st intercourse occurred later than 1st cohabitation (VRY1STSX > COHAB1), then SEXUNION = 996.

SAS logic:

If hadsex=2 then sexunion=.;

Else if fmarital=5 and evrcohab=5 then sexunion=cmintvw-vry1stsx;

Else if fmarital NE 5 and (evrcohab=5 or cohstat=3) then sexunion=sexmar;

Else if (fmarital=5 and evrcohab=1) or (fmarital NE 5 and cohstat=2) then do;
if cohab1 GE vry1stsx then sexunion=cohab1-vry1stsx;
else if cohab1 LT vry1stsx then sexunion=996;
end;

Note: *SEXUNION* was initially defined based on original CM values of the applicable recodes, and then redefined as a categorical variable for inclusion on the public-use file. *INSEXUNION*, available in the NCHS Research Data Center, shows the exact number of months as originally defined.

Code categories for SEXUNION (public-use variable):

Blank = inapplicable
1 = 0-12 months
2 = 13-24 months
3 = 25-36 months
4 = More than 3 years
5 = First intercourse after first marriage or cohabitation

Code categories for INSEXUNION (restricted-use variable):

Blank = inapplicable
0 = first intercourse in same month as marriage or cohabitation
1-nnn = months after first intercourse
996 = first intercourse after first marriage or cohabitation

PARTS1YR: **Number of opposite-sex sexual partners in last 12 months**

PARTS1YR is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX = 2).

Otherwise:

PARTS1YR is based on the value of computed variable **parts12** (defined in Flow Check C-64).

The SAS logic below

- 1) assigns 0 to PARTS1YR if parts12 was 9998 or 9999, because this is how they were routed in the questionnaire.
- 2) addresses cases that gave inconsistent information on whether they had sexual intercourse in the last 12 months in the directly asked questions about “numbers of partners” versus “dates of last sex with each recent partner.”

SAS logic:

```
IF HADSEX=2 THEN PARTS1YR=.;  
IF PARTS12 IN (0,9998,9999) THEN PARTS1YR=0;  
ELSE IF 1 LE PARTS12 LT 9995 THEN PARTS1YR=PARTS12;  
*** below: to address inconsistent cases between PARTS1YR &  
LSEXDATE; IF PARTS1YR=0 and LSEXDATE GE (cmintvw - 11) then impute  
PARTS1YR;
```

ELSE IF PARTS1YR GE 1 and (-1 LT LSEXDATE LT (cmintvw - 11)) then PARTS1YR=0; (see imputation note).

User Note: The original PARTS1YR recode, as defined above, was top-coded for public use at “7 or more opposite-sex partners”. The full-detail variable called INPARTS1YR is available through the NCHS Research Data Center.

Imputation Note: Needed for cases where PARTS1YR originally equals 0 but LSEXDATE is within 12 month window (LSEXDATE GE (cmintvw-11)).
- Minimum value should be the number of dates falling within cmintvw-11, among: LSEXDATE, cmlsex2, and cmlsex3.
- Maximum value should be LIFPRTNR.

Code categories for PARTS1YR (public-use variable):

Blank = inapplicable
0-6 = 0-6 opposite-sex partners in last 12 months
7 = 7 or more opposite-sex partners in last 12 months

Code categories for INPARTS1YR (restricted-use variable) :

Blank = inapplicable
0 – nn = number of opposite-sex partners in last 12 months

LSEXDATE: CM date of last or most recent sexual intercourse

LSEXDATE is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX = 2).

Otherwise:

LSEXDATE is determined by the most recent, or only, value on **cmlsex1** (computed in Flow Check C-71) and **cmfplast** (computed in Flow Check C-57).

If cmlsex1 is blank and cmfplast is a valid date then LSEXDATE=cmfplast.

If cmfplast is a valid date and cmlsex1 is a valid date, LSEXDATE is the most recent one of the two.

Otherwise LSEXDATE=cmlsex1.

Imputation Note: Imputation needed if cmlsex is missing/dk/rf. Recode PARTS1YR is reconciled with LSEXDATE in cases where they are inconsistent. See recode specs and imputation notes for PARTS1YR.

Note: LSEXDATE only considers cmlsex (and cmfplast). In rare cases there is a date in cmlsex2 or cmlsex3 that is more recent. Regardless, all raw, computed, and recode

variables on characteristics of last partner refer to the last partner based on *cmlsex* (or *cmfplast*), not *cmlsex2* or *cmlsex3*. Recode *NUMP3MOS* (number of partners in the past 3 months) considers *cmlsex*, *cmlsex2*, and *cmlsex3*. For this reason, in rare cases, *NUMP3MOS* may be inconsistent with *LSEXDATE*. When the corresponding recode *LSEXRAGE* has been bottom-coded at 10 for public use, values of *LSEXDATE* are coded as 9997 (not ascertained). The full-detail variable called *INLSEXDATE* is available through the NCHS Research Data Center.

Code categories for *LSEXDATE* (public-use variable):

Blank = inapplicable
xxxx - 1488 = CM date of last or most recent sexual intercourse
9997 = not ascertained

Code categories for *INLSEXDATE* (restricted-use variable):

Blank = inapplicable
xxxx - 1488 = CM date of last or most recent sexual intercourse

LSEXRAGE:** R's age at last or most recent sexual intercourse

LSEXRAGE is blank (inapplicable) if R has never had sexual intercourse (recode *HADSEX* = 2).

Otherwise, *LSEXRAGE* is defined based on recode *LSEXDATE* and R's date of birth (*cmbirth*).

SAS logic:

```
if hadsex=2 then lsexrage=.;  
else if hadsex=1 then lsexrage= int((lsexdate-cmbirth)/12);
```

Note: Respondents aged 50 were 49 at time of household screener. The original *LSEXRAGE* recode, as defined above, was bottom-coded for public use at 10 to represent age 10 or younger. The full-detail variable called *INLSEXRAGE* is available through the NCHS Research Data Center.

Code categories for *LSEXRAGE* (public-use variable):

Blank = inapplicable
10 = age 10 years or younger at last or most recent sexual intercourse
11 - 50 = age in years at last or most recent sexual intercourse

Code categories for *INLSEXRAGE* (restricted-use variable):

Blank = inapplicable
xx - 50 = age in years at last or most recent sexual intercourse

PARTDUR1-3: Number of months between first and most recent sexual intercourse

with (most recent or last ever/ second-to-last / third-to-last) sexual partner (in the past 12 months)

PARTDUR1 is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX=2)

Most recent partner was first partner ever:

If R's most recent partner was R's first partner ever (lifeprts=1 or MATCHFP=1 or plyrelp=13) or (plyrelp=7 and CG-2 SAMEMAN=1 and CA-1 TIMESMAR=1) or (plyrelp=8 and CG-2 SAMEMAN=1 and R has cohabited once ((rmarit=2 and sum of prevcohb plus LVTOGHX_1-LVTOGHX_6=0) or (rmarit ne 2 and sum of prevcohb plus LVTOGHX_1-LVTOGHX_6=1))

PARTDUR1 = FPDUR

Else if R's most recent partner was not R's first partner ever (lifeprts>1 and MATCHFP NE 1):

If Blaise-computed variable cmfsex (Flow check C-77) not sysmis, 9998, or 9999 then:

If cmfsex=9996 then PARTDUR1=997
Else PARTDUR1 = (LSEXDATE minus

cmfsex)

Second- and third- most recent partners:

PARTDUR2 is blank (inapplicable) if:

- R has never had sexual intercourse (recode HADSEX=2), or if
- R had no partners or only 1 partner (parts12 = 0 or 1) in the past 12 months

PARTDUR3 is blank (inapplicable) if:

- R has never had sexual intercourse (recode HADSEX=2), or if
- R had no partners, or only 1 or 2 partners (parts12 = 0, 1, or 2) in the past 12

months If R's 2nd / 3rd most recent partner was R's first partner ever (plyrelp2/3 =

13):

If cmlsexfp not sysmis, 9998, or 9999 and cmfstsex not sysmis, 9998, or 9999 then:

If cmlsexfp=9996 then
PARTDUR1=997 Else PARTDUR2/3

= FPDUR

Else if R's most recent partner was not R's first partner ever (lifeprts>=2 or 3 and p1yrelp2/3 NE 13):

If cmfsex2/3 not sysmis, 9998, or 9999 and cmlsex2/3 not sysmis, 9998, or 9999

then: If cmfsex2/3=9996 then PARTDUR2/3=997
Else PARTDUR2/3 = (cmlsex2/3 minus cmfsex2/3)

Imputation note: Imputation needed if recode uses cmfsex / cmlsex; cmfsex2 / cmlsex2; or cmfsex3 / cmlsex3, and the relevant pair includes dk/rf. Imputation needed if cmlsex[n] is earlier than (less than) corresponding cmfsex[n]. (subtracting the dates yields a negative value).

User note: Although computed variable parts12 was used for applicability for PARTDUR1-3, in some instances in post-processing PARTS1YR was used when evaluating consistency of recodes.

Code categories:

Blank = Inapplicable
0 – nnn = number of months
997 = only had sex once with partner

RELATP1-3: Relationship at first sexual intercourse with (most recent / second-to-last / third-to-last) sexual partner (in the past 12 months)

Most recent partner:

RELATP1 is blank (inapplicable) if R had no male partners in the past 12 months (PARTS1YR = 0 or sysmis).

If R's most recent partner was R's first partner ever (lifeprts=1 or MATCHFP=1 or p1yrelp1=13) or (p1yrelp=7 and CG-2 SAMEMAN=1 and CA-1 TIMESMAR=1) or (p1yrelp=8 and CG-2 SAMEMAN=1 and R has cohabited once ((rmarit=2 and sum of prevcohb plus LVTOGHX_1-LVTOGHX_6=0) or (rmarit ne 2 and sum of prevcohb plus LVTOGHX_1-LVTOGHX_6=1))

then if there is a valid response to relationship at first sex with R's first partner ever (CG-5 KNOWFP ne ., dk, rf):

RELATP1=CG-5 KNOWFP

Else if R's most recent partner was not R's first partner ever (lifeprts >1 and p1yrelp NE 13) then if there is a valid response to relationship at first sex with R's most recent partner (CI-11

P1YRF ne ., dk, rf):

RELATP1 = CI-11 P1YRF

Second- and third- most recent partners:

RELATP2 is blank (inapplicable) if:

- R has never had sexual intercourse with a male (recode HADSEX=2), or if
- R had no male partners or only 1 male partner (PARTS1YR = 0 or 1) in the past 12 months

RELATP3 is blank (inapplicable) if:

- R has never had sexual intercourse with a male (recode HADSEX=2), or if
- R had no male partners, or only 1 or 2 male partners (PARTS1YR= 0, 1, or 2) in the past 12 months

If R's 2nd / 3rd most recent partner was R's first partner ever (plyrelp2/3 = 13) then if there is a valid response to relationship at first sex with R's first partner ever (CG-5 KNOWFP ne ., dk, rf):

RELATP1=CG-5 KNOWFP

Else if R's most recent partner was not R's first partner ever (LIFEPRT>=2/3 and plyrelp2/3 NE 13) then if there is a valid response to relationship at first sex with R's 2nd / 3rd most recent partner (CI-11 P1YRFX2/3 ne ., dk, rf):

RELATP2/3 = P1YRF2/3

Imputation note: Needed for cases meeting applicable criterion and for whom KNOWFP or P1YRFX, P1YRFX2, or P1YRFX3, whichever is applicable, is sysmis, dk, or rf.

Code categories:

Blank =	Inapplicable
1 =	Married to him
2 =	Engaged to him and living together
3 =	Engaged to him, but not living together
4 =	Living together in a sexual relationship, but not engaged
5 =	In a steady relationship, but not living together or engaged
6 =	Going out with him once in a while
7 =	Just friends
8 =	Had just met him
9 =	Something else

LIFPRTNR: Number of opposite-sex sexual partners in lifetime

LIFPRTNR is based on values of Blaise-computed variable **lifeprts**, as defined in Flow Check C-83.

SAS logic:

If HADSEX=2 then LIFPRTNR=0;
Else if lifeprts < 998 then LIFPRTNR=lifeprts;

Imputation Note: *Needed if Blaise-computed lifeprts=DK/RF.*

Note: *The original LIFPRTNR recode, as defined above, was top-coded for public use at “50 or more opposite-sex partners.” The full-detail variable called INLIFPRTNR is available through the NCHS Research Data Center.*

Code categories for LIFPRTNR (public-use variable):

0 – 49 = number of opposite-sex partners in lifetime
50 = 50 or more opposite-sex partners in lifetime

Code categories for INLIFPRTNR (restricted-use variable):

0 – xxx = number of opposite-sex partners in lifetime

NUMP3MOS: Number of male partners in past 3 months

NUMP3MOS is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX=2).

Otherwise:

If R had no male sex partners in the last 3 months (LSEXDATE is LT cmintvw minus 2), then NUMP3MOS=0

Else if R had 1 or more sex partners in the last 3 months (LSEXDATE is GE cmintvw minus 2), then:

For the dates to look at, for whether it falls in the past 3 months, if any of the partners was same as the first partner, or the first partner was same as cohabiting partner or husband already discussed and number of lifetime partners is > 1, use only the dates for the last 3 partners.

If CI-4 MATCHFP=1 or MATCHFP2=1 or MATCHFP3=1 or (CG-2 SAMEMAN=1 and lifeprts>1) then use:

cmsex1, cmsex2, cmsex3

Else use:

cmfplast, cmsex1, cmsex2, cmsex3

The condition implicit in the above else statement is:

1) if none of the partners was the first partner (CI-4 MATCHFP=5 or system-missing and MATCHFP2=5 or system-missing and MATCHFP3=5 or system-

missing and CG-2 SAMEMAN =5 or system-missing), or

- 2) first partner was same as husband/cohab, and only one partner in life (CG-2 SAMEMAN=1 and lifeprts=1)

then use the dates for the last 3 partners, plus the date for the first partner.

If 1,2, or 3 partners in the past year (recode PARTS1YR < 4) then do:
For each partner for whom the date of last sex is within past 3 months (computed variable for date, as defined above is GE cmintvw-2), increment NUMP3MOS by 1. (NUMP3MOS=1, 2, or 3)

Else if more than 3 partners in the last 12 months (PARTS1YR>=4) then:
For each partner with whom the date of last sex is within the past 3 months (computed variable for date, as defined above, is GE cmintvw-2), increment NUMP3MOS by 1 (NUMP3MOS=1, 2, or 3), except if all 3 partners fall within past 3 months, then NUMP3MOS=4.

Else, for each partner with whom the date of last sex (computed variables set as defined above) is within the past 3 (computed variable for date, as defined above, is GE cmintvw-2), increment NUMP3MOS by 1.

User Notes:

-- Computed variable **cmintvw** indicates CM date of interview and is defined in Flow Check A-1.

-- Code categories:

The questionnaire was designed to capture a maximum of 3 partners within the past year. Therefore, for respondents who had 4 or more partners in the past year, there is some degree of unknown with respect to numbers of partners in the past 3 months. If all 3 partner slots are filled with dates in the past 3 months, there could have been one or more additional partners within the past 3 months, but this is not ascertainable. This is the reason for code category "4" and the distinction between categories 3 and 4.

-- NUMP3MOS is defined even if one or more of the dates are "don't know" or "refused." In other words, NUMP3MOS is incremented for any valid date falling within the past 3 months.

-- NUMP3MOS can exceed PARTS1YR. This is because the R provided inconsistent information in the interview: Reported "1" to number of partners in the past year, but identified 2 dates of last sex within the past 3 months, and reported they were not the same partner).

Code categories:

Blank = Inapplicable
0 = 0 partners
1 = 1 partner
2 = 2 partners

- 3 =3 partners exactly
- 4 =3, possibly more partners

SEX3MO:** Whether R had sexual intercourse in the last 3 months (including interview month) (based on LSEXDATE)

SEX3MO is blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX = 2).

Otherwise, SEX3MO is defined based on comparing R’s date of last sex (recode LSEXDATE) to the CM date corresponding to 3 months prior to interview (including month of interview):

SEX3MO=1 if LSEXDATE is GE (cmintvw minus 2)
 SEX3MO=2 if LSEXDATE is LT (cmintvw minus 2)

SAS logic:

If hadsex = 2 then sex3mo=.;
 Else if lsexdate GE (cmintvw-2) then sex3mo = 1;
 Else sex3mo = 2;

*Notes: -- This recode is comparable to the male recode with the same name.
 -- SEX3MO only draws from cmlsex (and cmfplast). In rare cases SEX3MO might be “no” but dates on cmlsex2 or cmlsex3 are still within the past 3 months. This is because the order the R reported the partners in takes precedence over dates. The partner corresponding to cmlsex is considered to be the last partner, and it is this partner who is represented in “characteristics of last partner” variables/recodes.*

Code categories:

- blank = Inapplicable
- 1 = Yes, had intercourse in the past 3 months (including interview month)
- 2 = No, did not have intercourse in the past 3 months (including interview month)

Sections D and E Recodes:

Sterilization, Impaired Fecundity, Contraceptive History & Pregnancy Wantedness

STRLOPER: Type of sterilization operation in effect

This recode specifies the type of sterilization operation “in effect” at the time of interview.

- *For tubal sterilizations and vasectomies, the recode takes into account whether R or her current husband or cohabiting partner had a reversal operation.*

- *For cases where there were multiple operations, the recode assigns precedence to female operations and earlier operations.*

Blaise-Computed Source Variables for Female and Male Sterilization Operations or Procedures

- The Blaise-computed variable **tubs**, defined in Flow Check D-16, indicates whether R is surgically sterile at time of interview, due to either an unreversed tubal sterilization or a reversal failure. Essure is included as a method of tubal sterilization.
- The Blaise-computed variable **vasect**, defined in Flow Check D-16, indicates whether R's current husband or cohabiting partner is surgically sterile at time of interview due to either an unreversed vasectomy or a reversal failure.
- The Blaise-computed variable **hyst**, defined in Flow Check D-2, indicates whether R has ever had a hysterectomy.
- The Blaise-computed variable **anyfster**, defined in Flow Check D-7b, indicates whether R has ever had any sterilizing operation, even if that was not its primary purpose. This may include a tubal sterilization that was later reversed, a hysterectomy, or other operation to remove 1 or both ovaries or fallopian tubes. This last type of operation is captured in question DA-5 OTHROPS2 = 1 or 2.
- The Blaise-computed variable **rsurgstr**, defined in Flow Check D-16, indicates overall the respondent's surgical sterilization status at time of interview, taking into account whether her tubal sterilization was reversed.
- The Blaise-computed variable **psurgstr**, defined in Flow Check D-16, indicates the surgical sterilization status of R's current husband or cohabiting partner, taking into account whether his vasectomy was reversed. This variable is set to *sysmis/inapplicable* for Rs who are not currently married or cohabiting.

Definition of STRLOPER

- STRLOPER=5 (not surgically sterile) if neither R nor her current husband or cohabiting partner is "surgically sterile" at time of interview (*rsurgstr* = no and *psurgstr* = no).
- Define intermediate variable OTHR for other reported female sterilization operation:

OTHR=1 if *rsurgstr*=1 and *tubs*=5 and *hyst*=5 and DA-5 OTHROPS2=1 or 2;
Else OTHR=2;
- If there is *only one sterilization operation* reported (Only 1 YES among TUBS,

HYST, OTHR, VASECT), then:

1. IF TUBS = YES THEN STRLOPER=1 (tubal sterilization)
2. IF HYST = YES THEN STRLOPER=2 (hysterectomy)
3. IF VASECT = YES THEN STRLOPER=3 (vasectomy)
4. IF OTHR = YES THEN STRLOPER=4 (other operation or type unknown)

- d) Else, if there are *two or more operations* reported (more than 1 YES among TUBS, HYST, OTHR, VASECT), then:

If there is a male operation reported (psurgstr = yes) and one or more female operations reported (rsurgstr = yes), then STRLOPER codes the earliest female operation.

Dates for tubal sterilizations, hysterectomies, and vasectomies are given in the following Blaise-computed variables:

cmtubal -- Tubal sterilization (including Essure)
cmhyst -- Hysterecto
my
cmvasec -- Vasectomy or other male sterilizing operation

Further criteria for determining which operation to code in STRLOPER:

- If the date of one operation is missing and the date of the other operation is known, R is classified based on the operation with a known date.
- If the reported dates are the same for both tubal sterilization and hysterectomy (e.g., the woman has a hysterectomy and both ovaries and/or tubes removed in the same operation), STRLOPER is coded “hysterectomy.”
- If R has reported both tubal sterilization and hysterectomy, and dates are missing for both, STRLOPER is coded “hysterectomy.”

Imputation note: Due to defaulting to code 5, STRLOPER should not require imputation unless there was significant missing data. Such cases were logically imputed.

Code categories:

- 1 = Tubal ligation or sterilization
- 2 = Hysterectomy
- 3 = Vasectomy
- 4 = Other female operation
- 5 = Not surgically sterile

FECUND: Fecundity status

The FECUND recode describes the respondent's ability to get pregnant and carry a baby to term. Women may be classified in one of the "non-fecund" categories if they are surgically sterile or if their fecundity is impaired in some other way.

Respondents are classified in roughly hierarchical order, from codes 1 to 6, with 6 (fecund) being the residual category. For example, a respondent may fulfill the definition for "long interval without conception" (code 5), but if she also fulfills the definition for "subfecund" (code 4) she is classified as "subfecund." The exception is that all currently pregnant respondents are classified as FECUND=6 right up front. Another exception is that code 2 is assigned before code 1 for tubal sterilizations because this is the only type for which reasons for the procedure are asked, and contraceptive sterilization is the default if responses do not support coding as noncontraceptive.

Note: A married or cohabiting respondent is considered "surgically sterile" based on sterilizing operations that either she had or her husband or partner had. In this respect, this recode for fecundity status is "couple-based." If you wish to analyze a "woman-based" fecundity status, you can compute a comparable recode limited to female sterilizing operations, regardless of R's marital or cohabitation status.

If R is currently pregnant and her husband/partner is not surgically sterile (Blaise-computed variable currpreg = 1), then FECUND=6.

ELSE:

If R has a sterilization operation or procedure "in effect" at interview (STRLOPER NE 5), then she is classified as surgically sterile (FECUND=1 or FECUND=2), based on the reported or presumed contraceptive intent of the sterilization operation.

FECUND=1 (Surgically Sterile, Contraceptive) or FECUND=2 (Surgically Sterile, Non-contraceptive):

The 2022-2023 NSFG was modified from prior surveys to only ask about reasons, including contraceptive intent, for having a tubal sterilization. Reasons are no longer asked for hysterectomies or other female operations, which are presumed to be done primarily for medical (noncontraceptive) reasons. Therefore, if STRLOPER=2 (hysterectomy) or 4 (other female operation), FECUND is coded 2 (Surgically sterile, noncontraceptive).

Similarly, if STRLOPER=3 (vasectomy), the operation is presumed to be done at least partly for contraceptive reasons, and FECUND is coded 1 (Surgically sterile, contraceptive).

Contraceptive intent for tubal sterilizations is defined based on the following questions that ask about the respondent's reasons for having the tubal sterilization at that time:

DA-7 RHADALL - codes whether R had had all the children she wanted

DA-8 HHADALL - codes whether her current husband/partner had had all the children he

wanted

DA-9 FMEDREAS - codes whether R had any medical reasons

DA-10 BCREAS - codes whether R had reasons related to birth control methods

DA-11 BCWHYFx - codes whether the birth control reasons were health-related or other

FECUND is assigned codes 1 or 2 as follows:

If STRLOPER = 3 (vasectomy) then FECUND = 1.

Else if STRLOPER = 2 or 4 (hysterectomy or other female operation) then FECUND = 2.

Else if STRLOPER = 1 (tubal sterilization):

A tubal sterilization is defined as having *non-contraceptive intent* if R only reported medical reasons for having the procedure (DA-9 FMEDREAS=1), and no other reasons (RHADALL NE 1 and HHADALL NE 1 and BCREAS NE 1). *If STRLOPER=1 (tubal sterilization) and reasons for the tubal sterilization are all reported as DK/RF, then FECUND should be coded 1, based on presumption of contraceptive intent*

If (FMEDREAS=1 and RHADALL NE 1 and HHADALL NE 1 and BCREAS NE 1) then
FECUND = 2.

Else FECUND = 1.

The remaining categories of FECUND (3-6) are limited to respondents who are not surgically sterile at interview (STRLOPER EQ 5) and are defined in the order shown below. (Note: This means, for example, that a respondent who fulfills the definition of *FECUND=4* and *FECUND=5* will get coded as *FECUND=4*.)

FECUND=3 (Nonsurgically Sterile):

If R reports that it is impossible for her to have a(nother) baby for reasons other than surgical sterilization (DD-1 POSIBLPG=5) **or** for her current husband or cohabiting partner to father a(nother) baby (DD-3 POSIBLMN=5), then she is coded FECUND=3 (*nonsurgically sterile*).

FECUND=4 (Subfecund):

If R reports that it is difficult for her, and/or her current husband, to conceive or deliver a(nother) baby (DE-1 CANHAVER=1 OR DE-3 CANHAVEM=1), OR if a medical doctor advised her NEVER to become pregnant (again) (DE-4 PREGNONO=1), then she is coded FECUND=4 (*subfecund*).

FECUND=5 (Long Interval Without Conception):

If, during the 36 months or more of continuous marriage or cohabitation with her current husband or partner prior to interview, R did not have a pregnancy, used no contraception, and had no months of non-intercourse, she is classified as having a *long interval without conception* (FECUND=5)

Must first define intermediate variables for “any method used in last 36 months” and “any months of non-intercourse in last 36 months” (these 2 intermediate variables are defined for all Rs regardless of later use for defining FECUND=5 for married or cohabiting Rs):

- To define **ANYBC36** (any contraceptive use in last 36 months), check array of method calendar variables for contraceptive use in the 36 months preceding the interview. METHX1 through METHX192 contain contraceptive method(s) used, if any, for each of (up to) 48 months prior to and including the interview month. Check each one within the time frame [cmintvw minus 36] through cmintvw. If any of them = 3-21 or 25-26 (see ED-6 METHHIST in the CAPI reference questionnaire) then a contraceptive method was used.

ANYBC36 = 1 (“yes, at least one month of reported method use”)
if R reported any method use in the last 36 months (ED-6
METHHIST >=3 and <=21 or =25, 26)

Else

ANYBC36 = 2 (“no, no months of method use – nothing used in all months”) If R reported “1” -”none” or system-missing in all months (all system- missing means everused=5)*
or R reported don’t know or refused (98, 99) in any of the 36 months (and reported no months of method use).

*If everused is system-missing or “7” then method use was not ascertained so ANYBC36 cannot be ascertained and remains 2.

- To define **NOSEX36** (any months of non-intercourse in last 36 months), check values of EC-8 MONSX[nnnn] through MONSX[nnnn-36], where nnnn=cmintvw.

NOSEX36 = 2 (yes, one or more months of nonintercourse)
(If R is married to or cohabiting with a woman (ssmarcoh=1 or 2), EC-8 MONSX variables will all be sysmis, and NOSEX36 will remain or default to 2.)

if R reported any months of non-intercourse in any of the last 36 months (any occurrence of code 5 or system-missing or don’t know or refused)

Else

NOSEX36 = 1 (no, no months of **non-intercourse** – intercourse in all months)
if R reported intercourse in all 36 months (code 1) and no missing values in the 36 months (don’t know or refused (8,9), or system-missing)

Once these 2 intermediate variables are defined for all respondents, proceed as follows for defining FECUND=5 among Rs with rmarit=1 or 2:

- a. if the interval between the date of interview and the date when R began living with her current husband/cohabiting partner is 36 months or more and if there were no months of nonintercourse

reported in the 36 months prior to interview:

Define intermediate variable CMSTRTHP to indicate the date R began living with her current husband or cohabiting partner:

If rmarit not in(1,2) then cmstrthp =.;
Else if rmarit=1 (married) then cmstrthp=cmmarrch.
Else if rmarit=2 (cohabiting) then cmstrthp=cmstrtcp;

(Blaise-computed variable rmarit, defined in Flow Check A-17, indicates R's current marital or cohabiting status. Blaise-computed variable cmmarrch, defined in Flow Check C-7a, indicates the date of marriage to R's current husband. Blaise-computed variable cmstrtcp, defined in Flow Check C-26, indicates the date R began living with her male partner.)

If ((cmintvw - cmstrthp) GE 36)
AND No months of nonintercourse in 36 months prior to interview
(NOSEX36=NO)
Continue with step (b).

- b. (1) If R has:
Never been pregnant (recode PREGNUM = 0) and
Never used a contraceptive method (recode ANYMTHD = NO),

THEN R has a long interval (FECUND = 5).
- (2) If R has:
Never been pregnant (PREGNUM = 0) and
Ever used a contraceptive method (ANYMTHD = 1),

THEN if R has NOT used any contraceptive during the past 36 months
(ANYBC36=NO), then R has a long interval (FECUND = 5).
- (3) If R has:
Ever been pregnant (PREGNUM GE 1) but is not currently pregnant
(currpreg=NO)
THEN:
If her last pregnancy ended at least 36 months prior to interview [(cmintvw - cmlstprg) GE 36] and R never used a method in the last 36 months
(ANYBC36=NO),
THEN R has a long interval and FECUND=5.

FECUND=6 (Fecund):

If R has not been classified thus far in FECUND categories 1-5 and there is not significant missing data on the variables used to define FECUND=3, 4, 5, she is considered *fecund* (the residual category) and FECUND=6.

User Note: The 2 intermediate variables defined for computation of FECUND are included

on the public-use data file -- ANYBC36 & NOSEX36.

Imputation note: Due to defaulting to code 6, *FECUND* should not require imputation unless there was significant missing data on the variables defining codes 3-5, which is rare. Such cases were logically imputed.

Code categories:

- 1 = Surgically Sterile, Contraceptive
- 2 = Surgically Sterile, Noncontraceptive
- 3 = Sterile, Nonsurgical
- 4 = Subfecund
- 5 = Long interval
- 6 = Fecund

INFERT: Infertility status

Infertility is defined as 12 or more months of intercourse without pregnancy and without contraception. The INFERT recode is defined for respondents who are currently married or cohabiting.

INFERT is blank (inapplicable) if R is not currently married to or cohabiting with a man (recode RMARITAL NE 1 or 2).

FOR ALL RESPONDENTS WHO ARE CURRENTLY MARRIED OR COHABITING (RMARITAL=1 or 2):

- (1) If R is currently pregnant (Blaise computed variable currpreg=YES) then INFERT=3 (fecund).
- (2) If either R or her current husband/partner is surgically sterile (recode STRLOPER NE 5), then INFERT=1 (surgically sterile).
- (3) If R has never had a menstrual period (BA-1 MENARCHE = 96), then INFERT=2 (infertile). (Recall that this recode is only defined for currently married or cohabiting women, so this would be quite rare and probably indicative of a fertility problem.)
- (4) If R has had a month or more of nonintercourse in the 12 months prior to interview (0 < recode NOSEX12 < 95), then INFERT=3 (fecund).
- (5) If R has used a method at all in the 12 months prior to interview (ANYBC12=YES), then INFERT=3 (fecund).
 - To define intermediate variable **ANYBC12** (any contraceptive use in last 12 months), check array of method calendar variables for contraceptive use in the 12

months preceding the interview.

- METHX1 through METHX192 contain contraceptive method(s) used, if any, for each of (up to) 48 months prior to and including the interview month. Check each one within the time frame [cmintvw minus 12] through cmintvw. If any of them = 3-21 or 25-26 (see ED-6 METHHIST in the CAPI reference questionnaire) then a contraceptive method was used.

ANYBC12 = 1 (“yes, at least one month of reported method use”)

if R reported any method use in the last 12 months (ED-6 METHHIST ≥ 3 and ≤ 21 or $= 25, 26$)

Else

ANYBC12 = 2 (“no, no months of method use – nothing used in all months”) If R reported “1” or “none” or system-missing in all months (all system-missing means everused=5)*

or R reported don’t know or refused (98, 99) in any of the 12 months (and reported no months of method use).

*If everused is system-missing or “7” then method use was not ascertained so

ANYBC12 cannot be ascertained and remains 2.

- (6) If, during the 12 months or more of continuous marriage/union with current husband or cohabiting partner with no months of nonintercourse, the couple did not have a pregnancy and used no contraception, R is considered infertile (INFERT=2). That is,
- (a) If R has been in her current marriage or cohabiting union for 12 months or more [(cmintvw - cmstrthp) ≥ 12] and there were no months of nonintercourse reported in those 12 months (NOSEX12=0), continue with step 5b. *Intermediate variable cmstrthp indicates century-month when R began living with current husband or cohabiting partner. See FECUND specifications for further details.)*
- (b) R is classified as follows:
- 1) If R has never been pregnant (recode PREGNUM=0) and never used a method since first intercourse (recode ANYMTHD=NO), then R is considered infertile and INFERT=2.
 - 2) If R has never been pregnant (PREGNUM=0) and EVER used a method since first intercourse (ANYMTHD=YES), then:
If R has not used a contraceptive method in the past 12 months (ANYBC12=NO), then R is considered infertile and INFERT=2.
 - 3) If R has ever been pregnant (PREGNUM ≥ 1), and there have been at least 12 months since her last pregnancy ended ((cmintvw - cmlstprg) ≥ 12), and R has not used any contraceptive methods in last 12 months (ANYBC12=NO), then R is considered infertile, and INFERT=2.

(Blaise-computed cmlstprg, defined in Flow Check B-39, indicates century-month when R's last completed pregnancy ended.)

- (7) If extensive missing data made a case bypass steps 1-5 above, then:
- (a) If the 4 method calendar variables corresponding to the month of interview show method use other than female or male surgical sterilization (ED-6 METHHISTxxx include only codes 3, 4, 7-21, 25, 26), then R is considered fecund and INFERT=3. *(There should be no married/cohabiting cases with METHHISTnnnn codes of 5 or 6 in month of interview who don't also have recode STRLOPER NE 5.)*
 - (b) If there is still too much missing data to classify R, the case needs to be examined by NCHS and contractor staff and imputed if necessary. Unless there is evidence to the contrary, such cases are generally be assumed to be fecund and INFERT=3.

User Note: The intermediate variable (ANYBC12) defined for computation of INFERT is included on the public-use data file.

Imputation note: Due to defaulting to code 3, INFERT should not require imputation unless there was significant missing data. Such cases were logically imputed.

Code categories:

- Blank = Inapplicable
- 1 = Surgically sterile
- 2 = Infertile
- 3 = Fecund

ANYMTHD: Ever used any method for any reason

If (computed variable everused=yes) or (DA-1 EVERTUBS=1 or 3) or (DB-1 ANYVASEC=1 or 3) then ANYMTHD=1.

Otherwise, if everused=no and (DA-1 EVERTUBS NE 1 and NE 3) and (DB-1 ANYVASEC NE 1 and NE 3) then ANYMTHD=2.

Note: Since this is meant to capture method use for any reason, and method use by those planning to have intercourse, those who never had intercourse are not excluded.

Code categories:

- 1 = Yes
- 2 = No

NOSEX12: Number of months of nonintercourse in the 12 months prior to interview

NOSEX12 is blank (inapplicable) if R is currently married to or cohabiting with a woman (ssmarcoh=1 or 2).

Else if R never had intercourse (recode HADSEX = 2), then NOSEX12=95.

If R has had no months of nonintercourse since cmjan3yr (January of year of interview minus 3) (EC-3 INTR-EC3 =5)

and date of first sex was earlier than or equal to 12 months prior to interview, (cmfstsex LE (cmintvw-11)),
or date of first sex is unknown (cmfstsex=9998 or 9999) Then NOSEX12=0

Else if R has had no months of nonintercourse since cmfstsex (EC-3 INTR-EC3=5) and date of first sex was within the 12 months prior to interview, (cmfstsex GT cmintvw- 11), then NOSEX12=the number of months between 12 months prior to the interview, and first sex (cmfstsex - (cmintvw-11)).

Else if R has had one or more months of nonintercourse since cmjan3yr (January of year of interview minus 3) (EC-3 INTR-EC3=1):

and date of first sex was earlier than or equal to 12 months prior to interview, (cmfstsex LE (cmintvw-11)),
Count the months of nonintercourse (5) in the 12 months prior to interview (using EC-8 MONSXnn through MONSXnn-11, where nn corresponds to the MONSX for the month of interview) and sum to create total number of months

Else if R has had one or more months of nonintercourse since cmfstsex (EC-3 INTR-EC3=1):

and date of first sex was within the 12 months prior to interview, (cmfstsex GT cmintvw- 11), Count the months of nonintercourse (5) in the 12 months prior to interview (using EC-8 MONSXnn through MONSXnn-11, where nn corresponds to the MONSX for the month of interview) and sum to create total number of months

Else if R reported “don’t know” or “refused” to whether one or more months of nonintercourse since cmjan3yr / cmfstsex, (EC-3 INTR-EC3=8 or 9) but there are valid responses in MONSXnn through MONSXnn-11:

Count the months of nonintercourse (5) in the 12 months prior to interview (using EC-8 MONSXnn through MONSXnn-11, where nn corresponds to the MONSX for the month of interview) and sum to create total number of months

Else if first sex was same as interview month (EC-3 INTR_EC3=. and cmintvw=cmfstsex) then NOSEX12=11

Code categories:

Blank = Inapplicable

00-12 = Number of months of nonintercourse
95 = Never had intercourse

**SEXP3MO: Intercourse in the past 3 months (including interview month)
(based on nonintercourse series (EC))**

SEXP3MO=blank (inapplicable) if recode HADSEX=no or R is currently married to or cohabiting with a woman (ssmarcoh=1 or 2).

SEXP3MO=1:

- if R has had no periods of non-intercourse since [year of interview minus 3] (or first sex) (EC-3 INTR-EC3 = 5 or (EC-3 INTR-EC3=blank and cmfstsex=cmintvw))
- if R reported intercourse in any of the two months prior to interview month or in interview month, (EC-8 MONSX[nnnn], or EC-8 MONSX[nnnn]-1 = 1, or EC-8 MONSX[nnnn]-2=1, where nnnn=CM of interview)

SEXP3MO=2:

- if R reported no intercourse in interview month and the two months prior to interview month, (EC-8 MONSX[nnnn] = 5 and EC-8 MONSX[nnnn]-1 = 5, and EC-8 MONSX[nnnn]-2=5, where nnnn=CM of interview)

Code categories:

- Blank = Inapplicable
- 1 = Yes, had intercourse in past 3 months (including interview month)
- 2 = No, did not have intercourse in past 3 months (including interview month)

CONSTAT1: Current contraceptive status – 1st priority

This recode is designed to show current contraceptive status as used in all NSFG file releases since 1982. It refers to the method used in the month of interview, or “current month.” In cases where multiple methods were used in the current (interview) month, CONSTAT1 codes the HIGHEST priority method reported, according to a predetermined ranking of use-effectiveness, as used in earlier NSFG cycles. Up to four methods for the current month are ranked; the second, third, and fourth highest priority methods are coded in CONSTAT2- CONSTAT4, respectively. (See specifications that follow CONSTAT1.)

Code categories for CONSTAT1 are arranged below to distinguish contraceptors from noncontraceptors for analytic purposes.

Using Contraception:

- 01= Female sterilization
- 02= Male sterilization
- 03= Hormonal implant

- 05= Depo-Provera (injectable)
- 06= Pill
- 07= Contraceptive Patch
- 08= Contraceptive Ring
- 09= Emergency contraception
- 10= IUD
- 11= Diaphragm (with or w/out jelly or cream)
- 12= (Male) Condom
- 13= Female condom/vaginal pouch
- 14= Foam
- 15= Cervical Cap
- 16= Today Sponge
- 17= Suppository or insert
- 18= Jelly or cream (not with diaphragm)
- 19= Periodic abstinence: NFP, cervical mucus test or temperature rhythm
- 20= Periodic abstinence: calendar rhythm
- 21= Withdrawal
- 22= Other method

Not using contraception:

- 30= Pregnant
- 31= Seeking Pregnancy
- 32= Postpartum
- 33= Sterile--nonsurgical--female
- 34= Sterile--nonsurgical--male
- 35= Sterile--surgical--female (noncontraceptive)
- 36= Sterile--surgical--male (noncontraceptive)
- 37= [code not used]
- 38= Sterile--unknown reasons --male
- 39= [code not used]
- 40= Other nonuser--never had intercourse
- 41= Other nonuser--has had intercourse, but not in the 3 months prior to interview
- 42= Other nonuser--had intercourse in the 3 months prior to interview
- 88= inapplicable (no 2nd, 3rd, or 4th method reported -- applies to
CONSTAT2- CONSTAT4 only)

If R is pregnant at interview (currpreg=YES), then CONSTAT1=30.

Else, if R or her current husband or cohabiting partner is surgically sterile at interview (STRLOPER NE 5)

Or she reported any sterilizing operation in the method history calendar:

CONSTAT1=01 (sterile--surgical--female):

If FECUND=1 and (STRLOPER in(1,2) or (STRLOPER=4 and
rsurgstr=yes)) or

If FECUND NE 3 and (ED-6 METHHISTnnn-METHHISTnnnn+4 for month of interview = 6)

Else CONSTAT1=35 (sterile –surgical—female (noncontraceptive))
 If FECUND=2 and (STRLOPER in(1,2) or (STRLOPER=4 and rsurgstr=yes))

Else CONSTAT1=02 (sterile--surgical--male):
 If FECUND=1 and (STRLOPER=3 or (STRLOPER=4 and psurgstr=yes)) or
 If (ED-6 METHHISTnnn-METHHISTnnnn+4 for month of interview = 5)

Else CONSTAT1=36 (sterile--surgical—male (noncontraceptive)):
 If FECUND=2 and (STRLOPER=3 or (STRLOPER=4 and psurgstr=yes))

Else, if R is nonsurgically sterile (FECUND=3 and DE-1 POSIBLPG=5), then
 CONSTAT1=33 (sterile--nonsurgical--female)

Else, if R’s current husband or partner is nonsurgically sterile (FECUND=3 and
 DE-3 POSIBLMN=5), then

CONSTAT1=34 (sterile--nonsurgical--male)

Else,

If R is using any method in the month of interview, (ED-6 METHHISTnnn for month
 of interview)* NE 1 and NE system-missing (inapplicable)):

**[only need to check the first METHHIST variable because looking for “no method”]*

If R is using only 1 method, CONSTAT1=this method,

CONSTAT1=(ED-6 METHHISTnnn for month of interview)

If R is using 2 or more methods:

CONSTAT1= method in (ED-6 METHHISTnnn - METHHISTnnnn+4 for month
 of interview) with the highest priority (see table below).

The table below lists methods in order of priority (from highest to lowest) and gives the code
 equivalents for ED-6 METHHIST and CONSTAT1.

	Code in <u>METHHIST:</u>	CONSTAT1 <u>CODE</u>
Female sterilization	06	01
Respondent sterile (not on card)	22	33
Male sterilization	05	02
Partner sterile(not on card)	23	38
Hormonal implant	09	03
IUD	19	10
Depo-Provera injectable	08	05
Pill	03	06

Contraceptive patch	25	07
Contraceptive ring	26	08
Emergency contraception	20	09
(Male) condom	04	12
Diaphragm	12	11
Female condom/vaginal pouch	13	13
Today Sponge	18	16
Cervical cap	16	15
NFP, Temperature rhythm	11	19
Calendar rhythm	10	20
Withdrawal	07	21
Foam	14	14
Suppository or insert	17	17
Jelly or cream alone	15	18
Other method	21	22

Else, if R is seeking pregnancy (EH-1 WYNOTUSE =1 or EH-2 HPPREGQ =1):

CONSTAT1=31.

Else, if R is postpartum, as defined by:

- Interview Date (Month/Day/Year of interview) is before the 15th day of the month, and the difference between the interview month (**cmintvw**) and the month of the last pregnancy termination (computed variable **cmlstprg**) is less than or equal to 2 months, or
- Interview date (Month/Day/Year of interview) is on or after the 15th day of the month and the difference between the interview month (**cmintvw**) and the month of the last pregnancy termination (computed variable **cmlstprg**) is less than or equal to 1 month. then

CONSTAT1=32

*Note: Computed variable **cmlstprg** is defined in Flow Check B-39 in the CAPI Reference Questionnaire.*

Else, if R never had intercourse (hadsex=2), then CONSTAT1=40

Else, if (ED-6 METHHISTnnn for month of interview)=1 (no method used), or ANYMTHD=2 (never used a method) then:

CONSTAT1=41 If R had no intercourse in the 3 months prior to interview (SEXP3MO=2) or (ssmarcoh in 1,2 and (hadsex eq 2 or (hadsex eq 1 and lsexdate LT cmintvw minus 2)

CONSTAT1=42 If R had intercourse in the 3 months prior to interview (SEXP3MO=1) or (ssmarcoh in 1,2 and (hadsex eq 1 and (lsexdate GE cmintvw minus 2))

CONSTAT2: 2nd priority code for current contraceptive status

If CONSTAT1=1 and R reported any male sterilization operation (psurgstr=1 or any code 5 in METHHISTnnn vars for month of interview), then:

CONSTAT2=02 (sterile--surgical--male):

If FECUND=1 and (STRLOPER=3 or (STRLOPER=4 and psurgstr=yes)) or

If (ED-6 METHHISTnnn-METHHISTnnnn+4 for month of interview = 5)

Else, CONSTAT2=36 (sterile--surgical—male (noncontraceptive)):

If FECUND=2 and (STRLOPER=3 or (STRLOPER=4 and psurgstr=yes))

Else, if R is nonsurgically sterile (FECUND=3 and DE-1, POSIBLPG=5), then

CONSTAT2=33 (sterile--nonsurgical--female)

Else, if R's current husband or partner is nonsurgically sterile (FECUND=3 and DE-3, POSIBLMN=5), then

CONSTAT2=34 (sterile--nonsurgical--male)

Else If R is using a method in the month of interview, (ED-6 METHHISTnnn-METHHISTnnnn+4 for month of interview) NE 1 and NE system-missing and NE 6 (female sterilization already captured in CONSTAT1):

If R is using ONE method, CONSTAT2=this method. If R is using more than 1 method,

CONSTAT2= method in (ED-6 METHHISTnnn - METHHISTnnn+4 for month of interview) with the highest priority (see table above in CONSTAT1).

Code categories:

See CONSTAT1

CONSTAT3: 3rd priority code for current contraceptive status

If R is using a method in the month of interview, (ED-6 METHHISTnnn-METHHISTnnnn+4 for month of interview) NE 1 and NE system-missing and NE 6 (female sterilization already captured in CONSTAT1):

If R is using ONE method, CONSTAT3=this method. If R is using more than 1 method,

CONSTAT3= method in (ED-6 METHHIST_{nnn} - METHHIST_{nnn+4} for month of interview) with the next highest priority (see table above in CONSTAT1).

The code categories and specifications for CONSTAT3 are the same as for CONSTAT2. If CONSTAT1 is imputed, then CONSTAT3 is also imputed. If CONSTAT1 does not need imputation and there is no third method reported in (ED-6 METHHIST_{nnn} - METHHIST_{nnn+4} for month of interview), then CONSTAT3=88 (inapplicable).

Code categories:

See CONSTAT1

CONSTAT4: 4th priority code for current contraceptive status

If R is using a method in the month of interview, (ED-6 METHHIST_{nnn}-METHHIST_{nnn+4} for month of interview) NE 1 and NE system-missing and NE 6 (female sterilization already captured in CONSTAT1):

If R is using ONE method, CONSTAT4=this method. If R is using more than 1 method, CONSTAT4= method in (ED-6 METHHIST_{nnn} - METHHIST_{nnn+4} for month of interview) with the next highest priority (see table above in CONSTAT1).

The code categories and specifications for CONSTAT4 are the same as for CONSTAT2. If CONSTAT1 is imputed, then CONSTAT4 is also imputed. If CONSTAT1 does not need imputation and there is no fourth method reported in (ED-6 METHHIST_{nnn} - METHHIST_{nnn+4} for month of interview), then CONSTAT4=88 (inapplicable).

Code categories:

See CONSTAT1

SEX1MTHD1: Method used at first intercourse, if any-1st method

SEX1MTHD1=blank (inapplicable) if R has never had sexual intercourse with a male (recode HADSEX=2).

SEX1MTHD1=95: if R has never used a method (recode ANYMTHD=2).

SEX1MTHD1=96: if R did not use a method at first intercourse (computed variable **usefstx=5**)

Otherwise,

SEX1MTHD1=(computed variable mthfstx1) (subtract 2 from the mthfstx1 value to result in the correct values on SEX1MTHD)

Impute if missing (DK or RF):

-- The 1st method ever used is missing (EB-1 FIRSMETH=DK or RF)

- The timing of first use is missing (EB-2 FIRSTIME1/FIRSTIME2=DK or RF)
- The method used at first intercourse (for those whose 1st method use was before 1st sex) is missing (EB-8 MTHFRSTS=DK or RF)
- If method use is unknown due to missing a value on computed variable everused (computed in flow check E-6), which captures ever-use of any methods

*Note: Blaise-computed variables **usefstsx** and **mthfstsx1** are defined in Flow Checks E-18, E-29 and E-32.*

Imputation Note: Cases with FIRSTIME2=1 (first method use was before first sex), but date of first method use greater than date of first sex, are imputed. In those cases, use FIRSMETH1 to guide or determine imputed value.

Code categories:

- Blank= inapplicable
- 1= Pill
- 2= Condom
- 3= Partner's vasectomy
- 4= Female sterilizing operation/tubal ligation
- 5= Withdrawal
- 6= Depo-Provera, injectables
- 7= Hormonal implant
- 8= Rhythm or safe period by calendar
- 9= Safe period by temperature or cervical mucus test
- 10= Diaphragm
- 11= Female condom, vaginal pouch
- 12= Foam
- 13= Jelly or cream
- 14= Cervical cap
- 15= Suppository, insert
- 16= Today sponge
- 17= IUD
- 18= Emergency contraception
- 19= Other method
- 20= Respondent sterile (aside from sterilizing operation above)
- 21= Respondent's partner sterile (aside from vasectomy above)
- 22= Lunelle injectable
- 23= Contraceptive patch
- 24= Contraceptive ring
- 95= Never used a method
- 96= Did not use a method at 1st intercourse

SEX1MTHD2-SEX1MTHD4: Method used at first intercourse, if any-2nd/3rd/4th method

SEX1MTHD2-4=blank (inapplicable) if R has never had intercourse with a male (recode HADSEX=2), or if R did not use a 2nd/3rd/4th method at first sex (mthfstx02/03/04=blank).

Repeat specifications for SEX1MTHD1 for remaining values of SEX1MTHD2-

4. Substitute computed variable mthfstx2/3/4 for mthfstx1 as in the following:
SEX1MTHD2=(computed variable **mthfstx2**)

Impute if missing (DK or RF):

- The 1st method ever used is missing (EB-1 FIRSMETH1-4=DK or RF)
- The timing of first use is missing (EB-2 FIRSTIME1/FIRSTIME2=DK or RF)
- The method used at first intercourse (for those whose 1st method use was before 1st sex) is missing (EB-8 MTHFRSTS=DK or RF)

*Note: Computed variables **usefstx** and **mthfstx2/3/4** are defined in Flow Check E-18, Flow Check E-29 and Flow Check E-32 in the CAPI Reference Questionnaire.*

Code categories:

see SEX1MTHD1

METH12M1: Method used at last sex in the past 12 months-1st method

METH12M1=inapplicable (BLANK) if:

- R has never had sexual intercourse with a male (HADSEX=2)
- R had no male sexual partners in the past 12 months (PARTS1YR=0).

ELSE if: R has never used a method (recode ANYMTHD=2) METH12M1=95

If R has only had 1 sexual partner in the past 12 months and it was her first partner, and she has only had sex with him once, take the method use information from the EB series (first method use).

If recode PARTS1YR=1 and lifeprts=1 and cmlsexfp=9996, then METH12M1=recode SEX1MTHD1

Otherwise, take method use information from the direct questions about method use at last sex with partners in the past 12 months.

Else if EF-1 USELSTP=5 then METH12M1=96

Else METH12M1=EF-2 LSTMTHP1 (subtract 2 from the LSTMTHP1 value to result in the below values on METH12M1)

If nothing has been assigned on METH12M1 and R meets criteria for “applicable,” then if R had a hysterectomy or tubal sterilization in effect during the entire method calendar (ED) period applicable for her, and used no other methods, assign “4” (female sterilizing operation or hysterectomy)

If INTR_ED4a=5 then METH12M1=4

Note: If R had a hysterectomy or tubal sterilization in effect during the entire method calendar period applicable for her (ED series – INTR-ED4a), she was asked whether she used any contraceptive methods during this period. If she responded “no” (5) she was skipped past the ED and EF series. These respondents are coded “4” on this recode.

Code categories:

Blank= inapplicable

1= Pill

2= Condom

3= Partner’s vasectomy

4= Female sterilizing operation/hysterectomy

5= Withdrawal

6= Depo-Provera injectable

7= Hormonal implant

8= Rhythm or safe period by calendar

9= Safe period by temperature or cervical mucus test

10= Diaphragm

11= Female condom, vaginal pouch

12= Foam

13= Jelly or cream

14= Cervical cap

15= Suppository, insert

16= Today sponge

17= IUD

18= Emergency contraception

19= Other method

20= Respondent sterile (aside from sterilizing operation above)

21= Respondent’s partner sterile (aside from vasectomy above)

22= Lunelle injectable

23= Contraceptive patch

24= Contraceptive ring

95= Has never used a method

96= No method used

**METH12M2-METH12M4: Method used at last sex in the past 12 months-
2nd/3rd/4th method**

METH12M2-4=inapplicable (BLANK) if:

-- R has never had sexual intercourse with a male (HADSEX=2)

-- R had no male sexual partners in the past 12 months (recode PARTS1YR=0).

-- R has never used a method (ANYMTHD=2)

-- R did not use a 2nd/3rd/4th method at last sex in the past 12 months

If R has only had 1 sexual partner in the past 12 months and it was her first partner, and she

has only had sex with him once, take the method use information from the EB series (first method use).

If recode PARTS1YR=1 and lifeprts=1 and cmlsexfp=9996, then METH12M2/3/4 = recode SEX1MTHD2/ SEX1MTHD3/ SEX1MTHD4

Otherwise, take method use information from the direct questions about method use at last sex with partners in the past 12 months.

Else METH12M2/3/4 = EF-2 LSTMTHP2/3/4 (subtract 2 from the LSTMTHP2-4 value to result in the correct values on METH12M2-4)

Code categories:

see METH12M1

METH3M1: Method used at last sex in past 3 months-1st method

This is identical to METH12M1 except for the time frame/universe: this only includes those who had sex in the past three months (based on dates of last sex with partners).

METH3M1=inapplicable (BLANK) if:

- R has never had sexual intercourse with a male (HADSEX=2)
- R had no sexual partners in the past 3 months (lsexdate LT cmintvw minus 2).

Else:

METH3M1 = recode METH12M1

Note: If R had a hysterectomy or tubal sterilization in effect during the entire method calendar period applicable for her (ED series – INTR-ED4a), she was asked whether she used any contraceptive methods during this period. If she responded “no” (5) she was skipped past the ED and EF series. These respondents are coded “4” on this recode.

Code categories:

Blank= inapplicable

1= Pill

2= Condom

3= Partner’s vasectomy

4= Female sterilizing operation/hysterectomy

5= Withdrawal

6= Depo-Provera, injectables

7= Hormonal implant

8= Rhythm or safe period by calendar

9= Safe period by temperature or cervical mucus test

10= Diaphragm

11= Female condom, vaginal pouch

12= Foam

13= Jelly or cream

- 14= Cervical cap
- 15= Suppository, insert
- 16= Today sponge
- 17= IUD
- 18= Emergency contraception
- 19= Other method
- 20= Respondent sterile (aside from sterilizing operation above)
- 21= Respondent's partner sterile (aside from vasectomy above)
- 22= Lunelle injectable
- 23= Contraceptive patch
- 24= Contraceptive ring
- 95= Has never used a method
- 96= No method used

METH3M2-METH3M4: Method used at last sex in past 3 months-2nd - 4th method

This is identical to METH12M2-4 except for the time frame/universe: this only includes those who had sex in the past three months

METH3M2-4=inapplicable (BLANK) if:

- R has never had sexual intercourse with a male (HADSEX=2)
- R has never used a method (ANYMTHD=2)
- R had no sexual partners in the past 3 months (SEX3MO=2).
- R did not use a 2nd/3rd/4th method at last sex in the past 3 months

Else METH3M2/3/4 = METH12M2/3/4

User Note: See note on METH3M1

Code categories:

See METH3M1

DATEUSE1: Date R used first method for the first time

DATEUSE1= inapplicable (BLANK) if:

- R has never had sexual intercourse with a male (HADSEX=2); or
- R has never used a method, including sterilization of R or current husband/partner (computed variable ANYMTHD=2).

DATEUSE1=(computed variable **cmfirsm**)

The following estimation procedure should be used for cases with inconsistent responses, described below, to

- 1) EB-2 FIRSTIME1/FIRSTIME2 with respect to

2) cmfstuse / cmfstsex

(note: such inconsistency could have resulted by overriding EDIT CHECK EB3_7 or EB3_8)

If R has used a method (everused=1 or DA-1 EVERTUBS=1 or 3 or DB-1 ANYVASEC=1 or 3) and if there is a valid date for cmfirm and cmfstsex (cmfirm/cmfstsex NE “DK/RF”)

- and she used her first method after her first intercourse (EB_2 FIRSTIME1/FIRSTIME2=3,4,5 or 6) , BUT her date of first method use is before the date of first intercourse (computed variable **cmfirm** < computed variable **cmfstsex**), then DATEUSE1 is estimated using the *midpoint* of the time interval (EB_2 FIRSTIME1/FIRSTIME2) plus cmfstsex
- and she used her first method at her first intercourse (EB_2 FIRSTIME1/FIRSTIME2=2), BUT her date of first method use is before or after the date of first intercourse (computed variable **cmfirm** < computed variable **cmfstsex** or **cmfirm** > **cmfstsex**), then change DATEUSE1 to cmfstsex.

The midpoints of the intervals are estimated by:

- If FIRSTIME1/2=2, the first time R had intercourse, then midpoint=0
- FIRSTIME1/2=3, less than 1 month after first intercourse, then midpoint=1
- FIRSTIME1/2=4, 1-3 months after first intercourse, then midpoint=2
- FIRSTIME1/2=5, 4-12 months after first intercourse, then midpoint=8
- FIRSTIME1/2=6, more than 12 months after first intercourse, then midpoint=8

The following also uses the estimation procedure, this time to compensate for missing data:

If R reported “DK/RF” to either the month or the year in EB-3 WNFSTUSE_M/WNFSTUSE_Y, but did report an interval after (or at) first intercourse (EB_2 FIRSTIME1/FIRSTIME2=2 through 6), and there is a valid date for cmfstsex (cmfstsex NE “DK/RF”) then: DATEUSE1= cmfstsex plus the midpoint of the interval (estimated as above):

$$\text{DATEUSE1} = 90000 + \text{cmfstsex} + \text{midpoint}$$

Note: The first column of this century-month variable is “9” if the month is estimated from EB-2 FIRSTIME1/2, and “0” otherwise. This estimation procedure gives priority to the report of relative timing of 1st method use and 1st sex (FIRSTIME1/2) over the report of date of 1st method use.

Imputation note: Imputation needed if cmfstsex=DK/RF and DATEUSE1 has not been assigned by the above criteria.

Code categories:

- BLANK = inapplicable
- xxxx - nnnn = date of 1st method use
- 9xxxx - 9nnnn = date of 1st method use (estimated)

MAROUTnn:** **Marital/Cohabiting status when Nth pregnancy ended**

MAROUTnn is blank (inapplicable) if:

- R has been pregnant less than N times (recode PREGNUM LT N), or
- R is currently pregnant with her Nth pregnancy (recode PREGNUM EQ N and recode OUTCOMnn=6)

Otherwise,

if R has had N or more completed pregnancies (recode COMPREG GE N), then MAROUTnn is transferred from the final imputed value of pregnancy file recode RMAROUT3 for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

- Blank = Inapplicable
- 1 = Married
- 2 = Cohabiting
- 3 = Neither married nor cohabiting

MARCONnn:** **Marital/Cohabiting status at Nth pregnancy conception**

MARCONnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,

if R has had an Nth pregnancy (recode PREGNUM GE N), then MARCONnn is transferred from the final imputed value of pregnancy file recode RMARCON3 for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

- Blank = Inapplicable
- 1 = Married
- 2 = Cohabiting
- 3 = Neither married nor cohabiting

NWWANTRPnn:** **Detailed wantedness of nth pregnancy -- Respondent**

NWWANTRPnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,

if R has had an Nth pregnancy (recode PREGNUM GE N), then NWWANTRPnn is transferred from the final imputed value of pregnancy file recode NEWWANTR for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

Blank= inapplicable (never had an Nth pregnancy)

- 1= Later, overdue
- 2= Right time
- 3= Too soon: by less than 2 years
- 4= Too soon: by 2 years or more
- 5= Didn't care, indifferent
- 6= Unwanted
- 7= Don't know, not sure

WANTRPnn:** **Wantedness of Nth pregnancy at time of conception-- Respondent**

WANTRPnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,
if R has had an Nth pregnancy (recode PREGNUM GE N), then WANTRPnn is transferred from the final imputed value of pregnancy file recode WANTRESP for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

Blank= inapplicable (never had an Nth pregnancy)

- 1= Later, overdue
- 2= Right time
- 3= Too soon, mistimed
- 4= Didn't care, indifferent
- 5= Unwanted
- 6= Don't know, not sure

WANTPnn:** **Wantedness of pregnancy – Respondent's Partner (father of the pregnancy)**

WANTPnn is blank (inapplicable) if R has been pregnant less than N times (recode PREGNUM LT N).

Otherwise,
if R has had an Nth pregnancy (recode PREGNUM GE N), then WANTPnn is transferred from the final imputed value of pregnancy file recode WANTPART for R's Nth pregnancy. Transfer is done using SAS Proc Transpose.

Code categories:

Blank= inapplicable (never had Nth pregnancy)

- 1= Later, overdue

- 2= Right time
- 3= Too soon, mistimed
- 4= Didn't care, indifferent
- 5= Unwanted
- 6= Don't know, not sure

Section F Recodes:
Family Planning and Medical Services

FPTITSTE: Source of service in the last 12 months: Sterilization operation

FPTITSTE=blank (inapplicable)

If R did not receive a sterilizing operation in the last 12 months (FA-1e STEROP12 = 5).

Otherwise if R had a sterilization operation in the last 12 months (FA-1e STEROP12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX5= 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic in a public health department (Clinicfund_F_05 = 1 and Clinictype_F_05 = 2), then FPTITSTE=1.

Else if R received it at a Title X clinic and the agency type is unknown (Clinicfund_F_05= 1 and Clinictype_F_05=-6), then FPTITSTE=5.

Else if R received it at a non-Title X clinic and the agency type is unknown (Clinicfund_F_05= 0 and Clinictype_F_05=-6), then FPTITSTE=6.

Else if R received it at a Title X clinic sponsored by other than a public health department (Clinicfund_F_05 = 1 and Clinictype_F_05 NE 2), then FPTITSTE=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_05 = 0 and Clinictype_F_05 = 2), then FPTITSTE=3.

Else if R received it at a non-Title X clinic that was sponsored by other than a public health department (Clinicfund_F_05 = 0 and Clinictype_F_05 NE 2), then FPTITSTE=4.

(The condition that follows is intended to capture cases who reported codes FA-5 BC12PLCX5=1, 2, 5, 8, 9, 10, or 20).

Else if FA-1e STEROP12 = 1 and FPTITSTE still = . and R gave information on place (FA-5 BC12PLCX5 NE .) then do:

Else if R received it at an employer or company clinic (FA-5 BC12PLCX5 = 5), then FPTITSTE=7.

Else if R received it at a private doctor's office or HMO (FA-5 BC12PLCX5 = 1 or 2), then FPTITSTE=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (FA-5 BC12PLCX5 = 8, 9, 10), then FPTITSTE=9.

Else if R received it some other place (FA-5 BC12PLCX5= 11, 20), then FPTITSTE=10.

Else if (FA-1e STEROP12= 1 and NUMBCVIS=1) then instead of BC12PLCX5 use BC12PLCX, instead of Clinicfund_F_05 use Clinicfund_F_01, and instead of Clinictype_F_05 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
1	=	Clinic: Title X=yes; health department=yes
2	=	Clinic: Title X=yes; health department=no
3	=	Clinic: Title X=no; health department=yes
4	=	Clinic: Title X=no; health department=no
5	=	Clinic: Title X=yes; agency unknown
6	=	Clinic: Title X=no; agency unknown
7	=	Employer or company clinic
8	=	Private doctor's office or HMO
9	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITBC: Source of service in the last 12 months: Method of birth control or prescription for a method

FPTITBC=blank (inapplicable) if R did not report receiving a method of birth control or prescription for a method from a medical care provider in the last 12 months (FA-1b BTHCON12 NE 1). This also includes DK (don't know).

Otherwise,

If R received a method of birth control or prescription for a method from a medical care provider in the last 12 months (FA-1b BTHCON12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX2= 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_02= 1 AND Clinictype_F_02 = 2), then FPTITBC=1.

Else if R received it at a Title X clinic and the agency type is unknown (Clinicfund_F_02= 1 AND Clinictype_F_02=-6), then FPTITBC=5.

Else if R received it at a non-Title X clinic and the agency type is unknown (Clinicfund_F_02= 0 AND Clinictype_F_02=-6), then FPTITBC=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_02= 1 AND Clinictype_F_02 NE 2), then FPTITBC=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_02= 0 AND Clinictype_F_02= 2), then FPTITBC=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_02= 0 AND Clinictype_F_02 NE 2), then FPTITBC=4.

(The condition that follows is intended to capture cases who reported codes FA-5 BC12PLCX2=1, 2, 5, 8, 9, 10, or 20.)

Else if FA-1b BTHCON12 = 1 and FPTITBC still = . and R gave information on place (FA-5 BC12PLCX2 NE .), then do:

If R received it at an employer or company clinic (FA-5 BC12PLCX2= 5), then FPTITBC=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX2= 1 or 2), then FPTITBC=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (FA-5 BC12PLCX2=8,9,10), then FPTITBC=9

Else if R received it at "some other place" (FA-5 BC12PLCX2=11, 20), then FPTITBC=10.

Else if (FA-1b BTHCON12 = 1 and NUMBCVIS=1) then instead of BC12PLCX2 use BC12PLCX, instead of Clinicfund_F_02 use Clinicfund_F_01, and instead of Clinictype_F_02 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency unknown
06	=	Clinic: Title X=no; agency unknown

07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITCHK: Source of service in the last 12 months: Check-up or medical test related to using a birth control method

FPTITCHK=blank (inapplicable) if R did not report receiving a check-up or medical test related to using a birth control from a medical care provider in the last 12 months (FA-1c MEDTST12 NE 1). This also includes DK (don't know).

Otherwise,

If R received a check-up or medical test related to using a birth control from a medical provider in the last 12 months (FA-1c MEDTST12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX3= 3, 4, 6, 7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_03= 1 AND Clinictype_F_03 = 2), then FPTITCHK=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_03= 1 AND Clinictype_F_03=-6), then FPTITCHK=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_03 = 0 AND Clinictype_F_03 = -6), then FPTITCHK=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_03 = 1 AND Clinictype_F_03 NE 2), then FPTITCHK=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_03= 0 AND Clinictype_F_03 = 2), then FPTITCHK=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_03 = 0 AND Clinictype_F_03 NE 2), then FPTITCHK=4.

(The condition that follows is intended to capture cases who reported codes FA-5 BC12PLCX3= 1, 2, 5, 8, 9, 10, or 20.)

If FA-1c MEDTST12 = 1 and FPTITCHK still = . and R gave information on place (FA-5 BC12PLCX3 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX3= 5),

then FPTITCHK=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX3= 1 or 2), then FPTITCHK=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX3=8,9,10), then FPTITCHK=9

Else if R received it at "some other place" (FA-5 BC12PLCX3= 11, 20), then FPTITCHK=10.

Else if (FA-1c MEDTST12 = 1 and NUMBCVIS=1) then instead of BC12PLCX3 use BC12PLCX, instead of Clinicfund_F_03 use Clinicfund_F_01, and instead of Clinictype_F_03 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITCBC: Source of service in the last 12 months: Counseling about BC

FPTITCBC=blank (inapplicable) if R did not report receiving counseling or information about birth control from a medical care provider in the last 12 months (FA-1d BCCNS12 NE 1). This also includes DK (don't know).

Otherwise,

If R received counseling or information about birth control from a medical care provider in the last 12 months (FA-1d BCCNS12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX4 = 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_04= 1 AND Clinictype_F_04 = 2), then FPTITCBC=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_04 = 1 AND Clinictype_F_04 =-6), then FPTITCBC=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_04 = 0 AND Clinictype_F_04 = -6), then FPTITCBC=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_04 = 1 AND Clinictype_F_04 NE 2), then FPTITCBC=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_04 = 0 AND Clinictype_F_04 = 2), then FPTITCBC=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_04 = 0 AND Clinictype_F_04 NE 2), then FPTITCBC=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX4=1, 2, 5, 8, 9, 10, or 20.)

If FA-1d BCCNS12 = 1 and FPTITCBC still = . and R gave information on place (FA-5 BC12PLCX4 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX4 = 5), then FPTITCBC=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX4 = 1 or 2), then FPTITCBC=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX4=8,9,10), then FPTITCBC=9

Else if R received it at "some other place" (FA-5 BC12PLCX4 = 11, 20), then FPTITCBC=10.

Else if (FA-1d BCCNS12 = 1 and NUMBCVIS=1) then instead of BC12PLCX4 use BC12PLCX, instead of Clinicfund_F_04 use Clinicfund_F_01, and instead of Clinictype_F_04 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department =no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type is unknown
06	=	Clinic: Title X=no; agency type is unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care

10 = Some other place

FPTITCST: Source of service in the last 12 months: Counseling about sterilization

FPTITCST=blank (inapplicable) if R did not report receiving counseling about getting a sterilized from a medical care provider in the last 12 months (FA-1f STCNS12 NE 1). This also includes DK (don't know).

Otherwise,

If R received counseling about getting sterilized from a medical care provider in the last 12 months (FA-1e STCNS12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX6 = 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_06 = 1 AND Clinictype_F_06= 2), then FPTITCST=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_06 = 1 AND Clinictype_F_06=-6), then FPTITCST=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_06 = 0 AND Clinictype_F_06 = -6), then FPTITCST=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_06 = 1 AND Clinictype_F_06 NE 2), then FPTITCST=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_06 = 0 AND Clinictype_F_06 = 2), then FPTITCST=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_06 = 0 AND Clinictype_F_06 NE 2), then FPTITCST=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX6 =1, 2, 5, 8, 9, 10, or 20.)

If FA-1e STCNS12 = 1 and FPTITCST still = . and R gave information on place (FA-5 BC12PLCX6= NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX6 = 5), then FPTITCST=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX6 =1 or 2),

then FPTITCST=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX6=8,9,10), then FPTITCST=9

Else if R received it at “some other place” (FA-5 BC12PLCX6 =11, 20), then FPTITCST=10.

Else if (FA-1e STCNS12 = 1 and NUMBCVIS=1) then instead of BC12PLCX6 use BC12PLCX, instead of Clinicfund_F_06 use Clinicfund_F_01, and instead of Clinictype_F_06 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor’s office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITEC: Source of service in the last 12 months: Emergency Contraception

FPTITEC=blank (inapplicable) if R did not report receiving emergency contraception from a medical care provider in the last 12 months (FA-1g EMCON12 NE 1).

Otherwise,

If R received emergency contraception from a medical care provider in the last 12 months (FA-1g EMCON12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX7=3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_07 = 1 AND Clinictype_F_07= 2), then FPTITEC=1.

Else if R received it at a Title X clinic NOT and agency type is unknown (Clinicfund_F_07 = 1 AND Clinictype_F_07=-6), then FPTITEC=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_07 = 0 AND Clinictype_F_07=-6), then FPTITEC=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_07 = 1 AND Clinictype_F_07 NE 2), then FPTITEC=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_07 = 0 AND Clinictype_F_07 = 2), then FPTITEC=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_07= 0 AND Clinictype_F_07 NE 2), then FPTITEC=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX7 = 1, 2, 5, 8, 9, 10, or 20.)

If FA-1f EMCON12 = 1 and FPTITEC still = . and R gave information on place (FA-5 BC12PLCX7 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX7= 5), then FPTITEC=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX7= 1 or 2), then FPTITEC=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX7=8,9,10), then FPTITEC=9

Else if R received it at "some other place" (FA-5 BC12PLCX7= 11, 20), then FPTITEC=10.

Else if (FA-1g EMCON12 = 1 and NUMBCVIS=1) then instead of BC12PLCX7 use BC12PLCX, instead of Clinicfund_F_07use Clinicfund_F_01, and instead of Clinictype_F_07use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department =no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITCEC: Source of service in the last 12 months: Counseling about Emergency Contraception

FPTITCEC=blank (inapplicable) if R did not report receiving counseling about emergency contraception from a medical care provider in the last 12 months (FA-1h ECCNS12 NE 1).

Otherwise,

If R received counseling about emergency contraception from a medical care provider in the last 12 months (FA-1h ECCNS12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX8 = 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (CLINICFUND_F_08= 1 AND CLINICTYPE_F_08= 2), then FPTITCEC=1.

Else if R received it at a Title X clinic and agency type is unknown (CLINICFUND_F_08= 1 AND CLINICTYPE_F_08= -6), then FPTITCEC=5.

Else if R received it at a non-Title X clinic and agency type is unknown (CLINICFUND_F_08 = 0 AND CLINICTYPE_F_08= -6), then FPTITCEC=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (CLINICFUND_F_08= 1 AND CLINICTYPE_F_08 NE 2), then FPTITCEC=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (CLINICFUND_F_08 = 0 AND CLINICTYPE_F_08 = 2), then FPTITCEC=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (CLINICFUND_F_08= 0 AND CLINICTYPE_F_08 NE 2), then FPTITCEC=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX8 = 1, 2, 5, 8, 9, 10, or 20.)

If FA-1g ECCNS12 = 1 and FPTITCEC still = . and R gave information on place (FA-5 BC12PLCX8 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX8= 5), then FPTITCEC=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX8= 1 or 2), then FPTITCEC=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX8=8,9,10), then FPTITCEC=9.

Else if R received it at 'some other place' (FA-5 BC12PLCX8=11, 20), then

FPTITCEC=10.

Else if (FA-1h ECCNS12 = 1 and NUMBCVIS=1) then instead of BC12PLCX8 use BC12PLCX, instead of Clinicfund_F_08 use Clinicfund_F_01, and instead of Clinictype_F_08 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type is unknown
06	=	Clinic: Title X=no; agency type is unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITPRE: Source of service in the last 12 months: Pregnancy test

FPTITPRE=blank (inapplicable) if R did not report receiving a pregnancy test from a medical care provider in the last 12 months (FA-3a PRGTST12 NE 1). This also includes DK (don't know).

Otherwise,

If R received a pregnancy test from a medical care provider in the last 12 months (FA-3a PRGTST12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX9= 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (CLINICFUND_F_09 = 1 AND CLINICTYPE_F_09 = 2), then FPTITPRE=1.

Else if R received it at a Title X clinic and agency type is unknown (CLINICFUND_F_09 = 1 AND CLINICTYPE_F_09 = -6), then FPTITPRE=5.

Else if R received it at a non-Title X clinic and agency type is unknown (CLINICFUND_F_09 = 0 AND CLINICTYPE_F_09 = -6), then FPTITPRE=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (CLINICFUND_F_09 = 1 AND CLINICTYPE_F_09 NE 2), then FPTITPRE=2.

Else if R received it at a non-Title X clinic sponsored by a public health

department (CLINICFUND_F_09 = 0 AND CLINICTYPE_F_09 = 2), then
FPTITPRE=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health
department (CLINICFUND_F_09 = 0 AND CLINICTYPE_F_09 NE 2), then
FPTITPRE=4.

*(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX7=1, 2,
5, 8, 9, 10, or 20.)*

If FA-3a PRGTST12 = 1 and FPTITPRE still = . and R gave information on place (FA-
5 BC12PLCX9= NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX9= 5),
then FPTITPRE=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX9= 1 or 2),
then FPTITPRE=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgi-
care center (BC12PLCX9=8,9,10), then FPTITPRE=9.

Else if R received it at "some other place" (FA-5 BC12PLCX9= 11, 20),
then FPTITPRE=10.

Else if (FA-3a PRGTST12 = 1 and NUMBCVIS=1) then instead of BC12PLCX9 use
BC12PLCX, instead of Clinicfund_F_09 use Clinicfund_F_01, and instead of Clinictype_F_09
use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITPAP: Source of service in the last 12 months: Pap smear

FPTITPAP=blank (inapplicable) if R did not report receiving a pap smear from a medical
care provider in the last 12 months (FA-3b PAP12 NE 1). This also includes DK (don't
know).

Otherwise,

If R received a pap smear from a medical care provider in the last 12 months (FA-3b PAP12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX10 = 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_10 = 1 AND Clinictype_F_0 = 2), then FPTITPAP=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_10 = 1 AND Clinictype_F_10= -6), then FPTITPAP=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_10 = 0 AND Clinictype_F_10= -6), then FPTITPAP=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_10 = 1 AND Clinictype_F_10 NE 2), then FPTITPAP=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_10 = 0 AND Clinictype_F_10 = 2), then FPTITPAP=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_10 = 0 AND Clinictype_F_10 NE 2), then FPTITPAP=4.

(The condition that follows is intended to capture cases who reported codes FA-5 BC12PLCX9 = 1, 2, 5, 8, 9, 10, or 20.)

If FA-3b PAP12 = 1 and FPTITPAP still = . and R gave information on place (FA-5 BC12PLCX10 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX10 = 5), then FPTITPAP=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX10 = 1 or 2), then FPTITPAP=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX10=8,9,10), then FPTITPAP=9

Else if R received it at "some other place" (FA-5 BC12PLCX10 = 11, 20), then FPTITPAP=10.

Else if (FA-3b PAP12 = 1 and NUMBCVIS=1) then instead of BC12PLCX10 use BC12PLCX, instead of Clinicfund_F_10 use Clinicfund_F_01, and instead of Clinictype_F_10 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITPEL: Source of service in the last 12 months: Pelvic exam

FPTITPEL=blank (inapplicable) if R did not report receiving a pelvic exam from a medical care provider in the last 12 months (FA-3c PELVIC12 NE 1). This also includes DK (don't know).

Otherwise,

If R received a pelvic exam from a medical care provider in the last 12 months (FA-3c PELVIC12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX11 = 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_11 = 1 AND Clinictype_F_11 = 2), then FPTITPEL=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_11 = 1 AND Clinictype_F_11 = -6), then FPTITPEL=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_11 = 0 AND Clinictype_F_11 = -6), then FPTITPEL=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_11 = 1 AND Clinictype_F_11 NE 2), then FPTITPEL=2.

Else if R received it at a non-Title X clinic sponsored by a public health department Clinicfund_F_11 = 0 AND Clinictype_F_11 = 2), then FPTITPEL=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_11 = 0 AND Clinictype_F_11 NE 2), then FPTITPEL=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX11= 1, 2, 5, 8, 9, 10, or 20.)

If FA-3c PELVIC12 = 1 and FPTITPEL still = . and R gave information on place (FA-5 BC12PLCX11 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX11 = 5), then FPTITPEL=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX11 = 1 or 2), then FPTITPEL=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX11)=8,9,10), then FPTITPEL=9

Else if R received it at "some other place" (FA-5 BC12PLCX11= 11, 20), then FPTITPEL=10.

Else if (FA-3c PELVIC12 = 1 and NUMBCVIS=1) then instead of BC12PLCX11 use BC12PLCX, instead of Clinicfund_F_11 use Clinicfund_F_01, and instead of Clinictype_F_11 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITPRN: Source of service in the last 12 months: Prenatal Care

FPTITPRN=blank (inapplicable) if R did not report receiving prenatal care from a medical care provider in the last 12 months (FA-3d PRENAT12 NE 1). This also includes DK (don't know).

Otherwise,

If R received prenatal care from a medical care provider in the last 12 months (FA-3d PRENAT12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX12= 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_12= 1 AND Clinictype_F_12 = 2), then FPTITPRN=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_12 = 1

AND Clinictype_F_12= -6), then FPTITPRN=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_12= 0 AND Clinictype_F_12 = -6), then FPTITPRN=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_12 = 1 AND Clinictype_F_12 NE 2), then FPTITPRN=2.

Else if R received it at a non-Title X clinic sponsored by a public health department Clinicfund_F_12 = 0 AND Clinictype_F_12 = 2), then FPTITPRN=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_12 = 0 AND Clinictype_F_12 NE 2), then FPTITPRN=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX12 = 1, 2, 5, 8, 9, 10, or 20.)

If FA-3d PRENAT12 = 1 and FPTITPRN still = . and R gave information on place (FA-5 BC12PLCX12 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX12 = 5), then FPTITPRN=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX12 = 1 or 2), then FPTITPRN=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX12=8,9,10), then FPTITPRN=9

Else if R received it at "some other place" (FA-5 BC12PLCX12 = 11, 20), then FPTITPRN=10.

Else if (FA-3e PRENAT12 = 1 and NUMBCVIS=1) then instead of BC12PLCX12 use BC12PLCX, instead of Clinicfund_F_12 use Clinicfund_F_01, and instead of Clinictype_F_12 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO

09 = Hospital emergency room/regular room/urgent care
10 = Some other place

FPTITPPR: Source of service in the last 12 months: Post-pregnancy care

FPTITPPR=blank (inapplicable) if R did not report receiving post-pregnancy care from a medical care provider in the last 12 months (FA-3e PARTUM12 NE 1). This also includes DK (don't know).

Otherwise,

If R received post-pregnancy care from a medical care provider in the last 12 months (FA-3e PARTUM12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX13 = 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_13= 1 AND Clinictype_F_13= 2), then FPTITPPR=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_13= 1 AND Clinictype_F_13= -6), then FPTITPPR=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_13 = 0 AND Clinictype_F_13 = -6), then FPTITPPR=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_13 = 1 AND Clinictype_F_13 NE 2), then FPTITPPR=2.

Else if R received it at a non-Title X clinic sponsored by a public health department Clinicfund_F_13 = 0 AND Clinictype_F_13 = 2), then FPTITPPR=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_13 = 0 AND Clinictype_F_13 NE 2), then FPTITPPR=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX13 = 1, 2, 5, 8, 9, 10, or 20.)

If FA-3e PARTUM12 = 1 and FPTITPPR still = . and R gave information on place (FA-5 BC12PLCX13 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX13 = 5), then FPTITPPR=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX13 = 1 or 2), then FPTITPPR=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX13=8,9,10), then FPTITPPR=9

Else if R received it at “some other place” (FA-5 BC12PLCX13 = 11, 20), then FPTITPPR=10.

Else if (FA-3e PARTUM12 = 1 and NUMBCVIS=1 then instead of BC12PLCX13 use BC12PLCX, instead of Clinicfund_F_13 use Clinicfund_F_01, and instead of Clinictype_F_13 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor’s office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTITSTD: Source of service in the last 12 months: Testing for STD

FPTITSTD=blank (inapplicable) if R did not report receiving testing for a sexually transmitted disease by a medical care provider in the last 12 months (FA-3f STDSVC12 NE 1). This also includes DK (don’t know).

Otherwise,

If R received testing for a sexually transmitted disease by a medical care provider in the last 12 months (FA-3f STDSVC12 = 1) and it was possibly received at a clinic (FA-5 BC12PLCX14= 3,4,6,7) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (Clinicfund_F_14 = 1 AND Clinictype_F_14 = 2), then FPTITSTD=1.

Else if R received it at a Title X clinic and agency type is unknown (Clinicfund_F_14 = 1 AND Clinictype_F_14=-6), then FPTITSTD=5.

Else if R received it at a non-Title X clinic and agency type is unknown (Clinicfund_F_14 = 0 AND Clinictype_F_14 = -6), then FPTITSTD=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (Clinicfund_F_14 = 1 AND Clinictype_F_14 NE 2), then FPTITSTD=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (Clinicfund_F_14 = 0 AND Clinictype_F_14 = 2), then FPTITSTD=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (Clinicfund_F_14 = 0 AND Clinictype_F_14 NE 2), then FPTITSTD=4.

(The condition that follows is intended to capture cases who reported FA-5 BC12PLCX14 = 1, 2, 5, 8, 9, 10, or 20).

If FA-3f STDSVC12 = 1 and FPTITSTD still = . and R gave information on place (FA-5 BC12PLCX14 NE .), then do:

If R received it an employer or company clinic (FA-5 BC12PLCX14 = 5), then FPTITSTD=7.

If R received it at private doctor's office or HMO (FA-5 BC12PLCX14 = 1 or 2), then FPTITSTD=8.

Else if R received it at a hospital emergency room, hospital regular room, or urgent care center (BC12PLCX14=8,9,10), then FPTITSTD=9.

Else if R received it at "some other place" (FA-5 BC12PLCX14 = 11, 20), then FPTITSTD=10.

Else if (FA-3f STDSVC12 = 1 and NUMBCVIS=1) then instead of BC12PLCX14 use BC12PLCX, instead of Clinicfund_F_14 use Clinicfund_F_01, and instead of Clinictype_F_14 use Clinictype_F_01 and proceed as specified above.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department=no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown
07	=	Employer or company clinic
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/regular room/urgent care
10	=	Some other place

FPTIT12:** Type of clinic used for family planning services in last 12 months

FPTIT12=blank (inapplicable) if no applicable values on recodes indicating source of service received in last 12 months (only blank values among *FPTITBC*, *FPTITCHK*, *FPTITCBC*, *FPTITSTE*, *FPTITCST*, *FPTITEC*, AND *FPTITCEC*).

Otherwise,
if R received one or more family planning services in the last 12 months at a Title X database clinic (codes 1, 2 or 5 on source recodes) then FPTIT12 = 1.

The recode defaults to 2 for all other applicable cases.

SAS logic:

If FPTITBC=. and FPTITCHK=. and FPTITCBC=. and FPTITSTE=. and FPTITCST=. and FPTITEC=. and FPTITCEC=. then FPTIT12=.;

Else if FPTITBC in(1 2 5) or FPTITCHK in(1 2 5) or FPTITCBC in(1 2 5) or FPTITSTE in(1 2 5) or FPTITCST in(1 2 5) or FPTITEC in(1 2 5) or FPTITCEC in(1 2 5) then FPTIT12 = 1;

Else FPTIT12 = 2;

Code categories:

Blank = Inapplicable
1 = Title X database clinic
2 = Non-Title X database clinic

FPTITMED:** Type of clinic used for ‘medical services’ in last 12 months

FPTITMED=blank (inapplicable) if no applicable values on recodes indicating source of medical service received in last 12 months (only blank values among *FPTITPRE, FPTITPAP, FPTITPEL, FPTITPRN, FPTITPPR, AND FPTITSTD*).

Otherwise,
if R received one or more medical services in the last 12 months at a Title X database clinic (codes 1, 2 or 5 on source recodes) then FPTITMED = 1.

The recode defaults to 2 for all other applicable cases.

SAS logic:

If FPTITPRE=. and FPTITPAP=. and FPTITPEL=. and FPTITPRN=. and FPTITPPR=. and FPTITSTD=. then FPTITMED=.;

Else if FPTITPRE in(1 2 5) or FPTITPAP in(1 2 5) or FPTITPEL in(1 2 5) or FPTITPRN in(1 2 5) or FPTITPPR in(1 2 5) or FPTITSTD in(1 2 5) then FPTITMED=1;

Else FPTITMED=2;

Code categories:

Blank = Inapplicable

- 1 = Title X database clinic
- 2 = Non-Title X database clinic

Section G Recodes:
Desire and Expectation for Future Births

INTENT: Intentions for additional births

Note: For currently pregnant women, INTENT refers to intentions after the current pregnancy.

*(Blaise-computed variables **rstrstat** and **pstrstat** are defined in Flow Check D-27 and indicate surgical or nonsurgical sterility at time of interview.)*

INTENT=1 (“intends to have (more) children”) if:

- R is currently married or cohabiting (rmarit=1 or 2), neither she nor her husband/partner is sterile (rstrstat=0 and pstrstat=0), and she and her husband/partner intend to have a(nother) baby (GB-1 JINTEND = 1); or
- R is unmarried and not cohabiting (rmarit NE 1 or 2), she is not sterile (rstrstat=0), and she intends to have a(nother) baby (GC-1 INTEND = 1).

INTENT=2 (“does not intend to have (more) children”) if:

- R or her current husband/partner is sterile (rstrstat NE 0 or pstrstat NE 0); or
- R is currently married or cohabiting (rmarit=1 or 2), neither is sterile (rstrstat=0 and pstrstat=0), and they do not intend to have a(nother) baby (GB-1 JINTEND = 5); or
- R is unmarried and not cohabiting (rmarit NE 1 or 2), she is not sterile (rstrstat=0), and (she does not intend to have a(nother) baby (GC-1 INTEND = 5) or GC-1 INTEND = . And GA-1 RWANT=5 or 8).

INTENT=3 (“does not know her intent”) if:

- R is currently married or cohabiting (rmarit=1 or 2) and GB-1 JINTEND = DK); or
- R is unmarried and not cohabiting (rmarit NE 1 or 2) and GC-1 INTEND = DK).

INTENT=4 (“did not provide her intent”) if:

- R is currently married or cohabiting (rmarit=1 or 2) and GB-1 JINTEND = RF or “not ascertained”; or
- R is unmarried and not cohabiting (rmarit NE 1 or 2) and GC-1 INTEND = RF or “not ascertained”.

Code categories:

- 1 = R intends to have (more) children
- 2 = R does not intend to have (more) children

- 3 = R does not know her intent
- 4 = R did not provide her intent

ADDEXP: Central number of additional births expected

*(Blaise-computed variables **rstrstat** and **pstrstat** are defined in Flow Check D-33 and indicate surgical or nonsurgical sterility at time of interview.)*

If R or her current husband or cohabiting partner is sterile (rstrstat NE 0 or pstrstat NE 0), then ADDEXP=000.

Else if R is currently married or cohabiting (rmarit=1 or 2) and neither is sterile (rstrstat=0 and pstrstat=0), then do:

If R and her husband/partner do not intend to have a(nother) baby (GB-1 JINTEND = 5), then ADDEXP=0;

Else if GB-1 JINTEND = DK, RF, “not ascertained” and her largest expected is zero (GB-1 JEXPECTL = 0), then ADDEXP=0;

Else if R and her husband/partner intend to have a(nother) baby (GB-1 JINTEND = 1), and she gives an intended number (0 LE GB-3 JINTENDN LT 96), then ADDEXP=10*JINTENDN;

Else if R and her husband/partner intend to have a(nother) baby (GB-1 JINTEND = 1), and she does not give an intended number (GB-3 JINTENDN=DK,RF) but gives largest and smallest (0 LE GB-5 JEXPECTS LT 96 AND 0 LT GB-4 JEXPECTL LT 96), then ADDEXP= 10*((JEXPECTS +JEXPECTL)/2);

Else if GB-1 JINTEND = DK, RF, or “not ascertained” but she did give a largest and smallest number expected (0 LE GB-4 JEXPECTL LT 96 and 0 LE GB-5 JEXPECTS LT 96), then ADDEXP=10* ((JEXPECTL + JEXPECTS)/2);

Else if GB-1 JINTEND = DK, RF, or “not ascertained” and she gave a largest number expected but smallest number is unknown (0 LE GB-4 JEXPECTL LT 96 and GB-5 JEXPECTS = DK, RF, or “not ascertained”), then ADDEXP=10* ((JEXPECTL)/2);

Else if R is not currently married or cohabiting [(rmarit NE 1 or 2)] and she is not sterile (rstrstat=0), then do:

If R does not intend to have a(nother) baby (GC-1 INTEND = 5), then ADDEXP=0;

Else if R intends to have a(nother) baby (GC-1 INTEND = 1), and she gives an intended number (0 LE GC-3 INTENDN LT 96), then ADDEXP=10*INTENDN;

Else if R intends to have a(nother) baby (GC-1 INTEND = 1), but she did not give an intended number (C-3 INTENDN=DK, RF) but she did give a largest and smallest number expected (0 LE GC-4 EXPECTL LT 96 and 0 LE GC-5 EXPECTS LT 96), then $ADDEXP = 10 * ((EXPECTL + EXPECTS)/2)$.

Else if GC-1 INTEND= . (not ascertained) and RWANT NE 1 then ADDEXP=0;

Else if GC-1 INTEND = DK, RF, or “not ascertained” and her largest expected is zero (GC-4 EXPECTL = 0), then ADDEXP=0;

Else if GC-1 INTEND = DK, RF, or “not ascertained” but she did give a largest and smallest number expected (0 LE GC-4 EXPECTL LT 96 and 0 LE GC-5 EXPECTS LT 96), then $ADDEXP = 10 * ((EXPECTL + EXPECTS)/2)$.

Else if GC-1 INTEND = DK, RF, or “not ascertained” and she gave a largest number expected but smallest number is unknown (0 LE GC-4 EXPECTL LT 96 and GC-5 EXPECTS = DK), then $ADDEXP = 10 * ((EXPECTL)/2)$.

Else if GC-1 INTEND = DK, RF, or “not ascertained” and she gave smallest number expected but largest number is unknown (0 LE GC-4 EXPECTS LT 96 and GC-5 EXPECTL = DK), then $ADDEXP = 10 * ((EXPECTS)/2)$.

After all of the above statements have been executed, an additional pregnancy is added to ADDEXP for all currently pregnant Rs:

If R is currently pregnant (currpreg=1), then $ADDEXP = ADDEXP + 10$

Code categories:

000=No additional births expected
005=.5 additional births
010=1 additional births
015=1.5 additional births
020=2 additional births
etc. through...
100-995=10 or more additional births

Section H Recodes:
Infertility Services & Reproductive Health

EVHIVTST: Ever had an HIV test

EVHIVTST = 0 if:

R has never donated blood, nor does she report ever having an HIV

test. (HE-1 DONBLOOD = 5(no) and HE-2 HIVTEST = 5(no))

else EVHIVTST = 1 if:

R has only had her blood tested for HIV in the context of a blood donation.

(HE-1 DONBLOOD = 1(yes) and HE-2 HIVTEST = 5(no))

else EVHIVTST = 2 if:

R has never donated blood but she reports an HIV test elsewhere. (HE-1 DONBLOOD =5(no) and HE-2 HIVTEST =1(yes))

else EVHIVTST = 3 if:

R reported both blood donation and HIV testing outside of blood donation. (HE-1 DONBLOOD =1(yes) and HE-2 HIVTEST =1(yes))

User Note: Some women may have answered no to HE-2 HIVTEST, but reported HIV testing during their most recent completed pregnancy (HE-13 PREGHIV). Users may wish to include such women as having had HIV testing outside of blood donation.

Imputation Note: Missing data may result in undefined values (sysmis) on this recode, and these were not imputed for 2022-2023 NSFG.

Code categories:

- 0 = No HIV test reported
- 1 = Yes, only as part of blood donation
- 2 = Yes, only outside of blood donation
- 3 = Yes, in both contexts

FPTITHIV: Source of HIV test received in the last 12 months

FPTITHIV=blank (inapplicable) if: R did not report receiving an HIV test in the last 12 months (HE-2 HIVTEST=5, DK, RF or HE-3 WHNHIVTST=4, DK, RF) or R did not report the place of her last test in the last 12 months. (HE-4 PLCHIV=DK, RF).

Otherwise,

If R received an HIV test in the last 12 months (HE-3 WHNHIVTST=1, 2, or 3) and it was possibly received at a clinic (HE-4 PLCHIV = 2, 3, 5, or 6) (i.e., the clinic database was invoked), then do:

If R received it at a Title X clinic sponsored by a public health department (ClinicFund_H_1= 1 AND ClinicType_H_1 = 2), then FPTITHIV=1.

Else if R received it at a Title X clinic and the agency type is unknown (ClinicFund_H_1= 1 AND ClinicType_H_1=-6), then FPTITHIV=5.

Else if R received it at a non-Title X clinic and the agency type is unknown (ClinicFund_H_1= 0 AND ClinicType_H_1=-6), then FPTITHIV=6.

Else if R received it at a Title X clinic NOT sponsored by a public health department (ClinicFund_H_1= 1 AND ClinicType_H_1 NE 2), then FPTITHIV=2.

Else if R received it at a non-Title X clinic sponsored by a public health department (ClinicFund_H_1= 0 AND ClinicType_H_1= 2), then FPTITHIV=3.

Else if R received it at a non-Title X clinic NOT sponsored by a public health department (ClinicFund_H_1= 0 AND ClinicType_H_1 NE 2), then FPTITHIV=4.

(The condition that follows is intended to capture cases who reported places other than those that invoke the clinic database: HE-4 PLCHIV = 1, 4, 7, 8, 9, or 10.)

Else if R received an HIV test in the last 12 months (HE-3 WHNHIVTST=1, 2, 3) and FPTITHIV still = . and R gave information on place (HE-4 PLCHIV NE .), then do:

If R received it at a job or work site (including military site) (HE-4 PLCHIV = 4), then FPTITHIV=7.

Else if R received it at private doctor's office or HMO (HE-4 PLCHIV = 1), then FPTITHIV=8.

Else if R received it at a hospital emergency room or inpatient room, or urgi-care center (HE-4 PLCHIV =7,8), then FPTITHIV=9.

Else if R received HIV test at lab, blood bank, or mobile testing site (HE-4 PLCHIV=9) then FPTITHIV=10.

Else if R received it at "some other place" (HE-4 PLCHIV = 10), then FPTITHIV=11.

Code categories:

Blank	=	Inapplicable
01	=	Clinic: Title X=yes; health department=yes
02	=	Clinic: Title X=yes; health department =no
03	=	Clinic: Title X=no; health department=yes
04	=	Clinic: Title X=no; health department=no
05	=	Clinic: Title X=yes; agency type unknown
06	=	Clinic: Title X=no; agency type unknown

07	=	Job or work site
08	=	Private doctor's office or HMO
09	=	Hospital emergency room/inpatient room/urgent care
10	=	Laboratory, blood bank or mobile testing site
11	=	Some other place

Section I Recodes:
Health Insurance; Residence; Religion; Work Status

CURR_INS: Current health insurance coverage status

Note: While there are alternate ways in which health insurance categories can be combined, the CURR_INS recode applies the same prioritization and groupings as the National Health Interview Survey. The respondent's current health insurance is obtained in the "enter all that apply" question IA-5 COVERHOW. Because this question includes 10 response categories, the respondent can report up to 10 types of insurance. However, in the 2022-2023 NSFG data, no respondents reported more than 3 types of coverage (COVERHOW01, COVERHOW02, COVERHOW03, COVERHOW04).

If R was currently covered by insurance (IA-4 CURRCOV=1), then:

CURR_INS = 1	If any mention of either a private health insurance or Medi-Gap in any of the COVERHOW variables (IA-5 COVERHOWnn = 1 or 4)
Else	
CURR_INS = 2	If any mention of Medicaid, CHIP, or state-sponsored health plans in any of the COVERHOW variables (IA-5 COVERHOWnn = 2, 7 or 9)
Else	
CURR_INS = 3	If any mention of Medicare, Military health care, or other government health care in any of the COVERHOW variables (IA-5 COVERHOWnn = 3, 5, or 10)
Else	
CURR_INS = 4	If R reported only a single service plan or only Indian Health Service in any of the COVERHOW variables (IA-5 COVERHOWnn = 6 or 8)

Else, if R was not currently covered by insurance (IA-4 CURRCOV = 5), then:

CURR_INS = 4	Not currently covered by insurance
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Imputation Note: Imputed if CURRCOV or COVERHOWnn is DK/RF.

Note: The original 10 categories for the raw variables COVERHOWnn were collapsed for public use into 8 categories. The full-detail variables of INCOVERHOWnn are available through the NCHS Research Data Center.

Code categories:

- 1 = currently covered by private health insurance or Medi-Gap
- 2 = currently covered by Medicaid, CHIP, or a state-sponsored health plan
- 3 = currently covered by Medicare, Military health care, or other government health care
- 4 = currently covered only by a single-service plan, only by the Indian Health Service, or currently not covered by health insurance

RELIGION: Current religious affiliation

RELIGION reflects the respondent’s current religious affiliation, based on information obtained in IC-4 RELNOW and IC-5 OTHRLNOW.

- RELIGION = 1 If RELNOW = 9 (No religion (agnostic, atheist))
- RELIGION = 2 If RELNOW = 2 (Catholic),
- RELIGION = 3 If RELNOW = 1 (Protestant (for example: Christian-no denomination, Baptist, Methodist, Lutheran, Presbyterian, Pentecostal, Episcopalian, and others))
- RELIGION = 4 If R reported some other religion (RELNOW = Church of Jesus Christ of Latter Day Saints (LDS/Mormon) (3), Jewish (Judaism) (4), Muslim (Islam) (5), Buddhist (6), Hindu (7), or Other religion (8))

Imputation Note: *Once all verbatim responses from IC-5 OTHRLNOW were assigned (if applicable) to an existing category of IC-4 RELNOW, those values were used in the construction of the RELIGION recode. Then any remaining missing values on RELIGION from DK/RF responses on IC-4 RELNOW were imputed.*

User Note: *This recode is comparable to prior file releases, but there has been a modification of the specification for the category RELIGION = 4 due to the restoration of the “other-specify” verbatim responses in 2022-2023.*

Code categories:

- 1 = No religion
- 2 = Catholic
- 3 = Protestant
- 4 = Other religion

LABORFOR: Labor force status

The LABORFOR recode categorizes the respondent’s activities in the week before the

interview in hierarchical order based on her activity status (ID-4 DOLASTWK_n) and whether she was working full or part-time (ID-5 RFTPTX).

Assign code to LABORFOR from ID-4 DOLASTWK1 through ID-4 DOLASTWK6, taking the code highest in the ranking shown below.

LABORFOR = 1 If (ID-4 DOLASTWK1 - DOLASTWK6 = 1) and ID-5 RFTPTX = 2
(R was working full-time last week)

Else

LABORFOR = 2 If (ID-4 DOLASTWK1 - DOLASTWK6 = 1) and ID-5 RFTPTX = 1
(R was working part-time last week)

Else

LABORFOR = 3 If ID-4 DOLASTWK1 - DOLASTWK6 = 2
(R was temporarily not at work but still employed)

Else

LABORFOR = 4 If ID-4 DOLASTWK1 - DOLASTWK6 = 3
(R was not working but looking for work)

Else

LABORFOR = 5 If ID-4 DOLASTWK1 - DOLASTWK6 = 4
(R was going to school, taking classes, or on school vacation)

Else

LABORFOR = 6 If ID-4 DOLASTWK1 - DOLASTWK6 = 5
(R was taking care of house or family)

Else

LABORFOR = 7 If ID-4 DOLASTWK1 - DOLASTWK6 = 6
(R responded “something else)

Else if ID-4 DOLASTWK1 in (8, 9) then LABORFOR is imputed.

Imputation note: *Needed if JC-4 DOLASTWK1=DK/RF or if ID-5 RFTPTX=DK/RF.*

Code categories and ranking for LABORFOR:

- 1 = Working full-time
- 2 = Working part-time
- 3 = Temporarily not at work but still employed
- 4 = Not working but looking for work
- 5 = Going to school, taking classes, or on school vacation
- 6 = Taking care of house or family
- 7 = Other

Section J Recodes: CASI

TOTINCR: Total income of R’s family

TOTINCR = R's income (if no family members in household) or combined income of R's family from all sources in the calendar year before the interview (JI-3 TOTINC).

This variable is an imputed version of JI-3 TOTINC and is created for the purposes of creating/imputing POVERTY.

Imputation note: If missing, the "DK follow-up" questions (JI-3a FMINCDK1, JI-3b FMINCDK2, JI-3c FMINCDK3, JI-3d FMINCDK4, and JI-3e FMINCDK5) are used as imputation bounds.

Code categories:

- 1 = under \$5,000/year
- 2 = \$5,000-\$7,499
- 3 = \$7,500-\$9,999
- 4 = \$10,000-\$12,499
- 5 = \$12,500-\$14,999
- 6 = \$15,000-\$19,999
- 7 = \$20,000-\$24,999
- 8 = \$25,000-\$29,999
- 9 = \$30,000-\$34,999
- 10 = \$35,000-\$39,999
- 11 = \$40,000-\$49,999
- 12 = \$50,000-\$59,999
- 13 = \$60,000-\$74,999
- 14 = \$75,000-\$99,999
- 15 = \$100,000 or more/year

POVERTY: Family income as percentage of federal poverty threshold

Poverty level income is R's combined family income from all sources in the calendar year before the interview (TOTINCR) divided by the weighted average threshold income of families whose head of household was under 65 years of age, for a family of the size of R's family, based on the annual poverty levels defined by the U.S. Census Bureau (family size is calculated by adding 1 to the integer value of NUMFMHH, from Section A Recodes). If the value is 998 or greater, then POVERTY=998.

-- For this recode an exact family income is estimated by the midpoint of the reported range of annual family income (JTOTINCR) as follows:

- 1 = \$2,500
- 2 = \$6,250
- 3 = \$8,750
- 4 = \$11,250
- 5 = \$13,750
- 6 = \$17,500
- 7 = \$22,500

- 8 = \$27,500
- 9 = \$32,500
- 10 = \$37,500
- 11 = \$45,000
- 12 = \$55,000
- 13 = \$67,500
- 14 = \$87,500
- 15 = \$125,000

The annual poverty thresholds for each family size are:

Family Size	2021 ¹ (for 2022 interviews)	2022 ² (for 2023 interviews)
1	\$14,097	\$15,230
2	\$18,231	\$19,690
3	\$21,559	\$23,280
4	\$27,740	\$29,950
5	\$32,865	\$35,510
6	\$37,161	\$40,160
7	\$42,156	\$45,690
8	\$47,093	\$51,010
9 or larger	\$56,325	\$60,300

¹ U.S. Census Bureau | Social, Economic, and Housing Statistics Division: Poverty. Poverty Thresholds for 2021 by Size of Family and Number of Related Children Under 18 Years.

url: <https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-thresholds.html>

² U.S. Census Bureau | Social, Economic, and Housing Statistics Division: Poverty. Poverty Thresholds for 2022 by Size of Family and Number of Related Children Under 18 Years.

url: <https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-thresholds.html>

Note: The original POVERTY recode, as defined above, was modified for public use, with bottom-coding at 50 to represent “50 percent of poverty level or less” and top-coding at 700 to represent “700 percent of poverty level or greater.” The full-detail variable called INPOVERTY is available through the NCHS Research Data Center.

Imputation note: If missing, the “DK follow-up” questions (JI-3a FMINCDK1, JI-3b FMINCDK2, JI-3c FMINCDK3, JI-3d FMINCDK4, and JI-3e FMINCDK5) are used as imputation bounds.

Code categories: for public-use variable POVERTY:

- 50 = 50 percent of poverty level or less
- 51-699 = 51-699 percent of poverty level
- 700 = 700 percent of poverty level or greater

Code categories: for restricted-use variable INPOVERTY:

- nnn = nnn percent of poverty level or less