2022-2023 National Survey of Family Growth
Male 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; Marital/Cohabiting Experience

AGER: R's Age at Interview

AGER= **age_r**

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

If there was a valid response (not DK/RF) for 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 if AA-2 BIRTHDAY = DK/RF, then 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 (legal) marital status based only 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-44).

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

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 or partners

Note: This recode defines informal marital status based only 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 female (rmarit = 1).
Else
RMARITAL = 2 if R reports living with a female partner (rmarit=2).
Else
RMARITAL = 3 if R is widowed from a female (fmarit=2).
Else
RMARITAL = 4 if R is divorced from a female (fmarit=3).
Else
RMARITAL = 5 if R is separated from a female (fmarit=4).
Else
RMARITAL = 6 if R has never been married to a female (fmarit=5).

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 = AE-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 is logically imputed. Cases with imputed values may have inconsistent information in AE-2y EARNHS_Y or AE-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 of respondent

If AC-1 HISP =1 then HISPANIC=1.
Else if HISP=5 then HISPANIC=2.

Imputation Note: *Information from the 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: 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 value 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,
HHPARTYP=3

- else, HHPARTYP=4

Imputation Note: No imputation needed because HHPARTYP defaults to value 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 ages 18 or under in the household (no AD-5 RELAR[x]=3, with AD-4 AGE[x]<19) and there are no non-biological children ages 18 or under in the household (no AD-5 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-5 RELAR[x]=4 through 8), then if there are any biological children age 18 or under in the household (any AD-5 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-5 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 wife or cohabiting partner who live in the household

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

This variable indicates the number of the married or cohabiting male respondent's biological children who are also the biological children of his current wife 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 his wife or partner is the biological mother 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

CSPSBHH: Number of male R's nonbiological children (aged 18 or younger) in household who are the biological children of his current wife or

cohabiting partner

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

This variable indicates the number of the married or cohabiting male's children who are the biological children of his current wife or cohabiting partner and are his step or adopted children, or his partner's children.

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

1) step or adopted child (AD-5 RELAR[x] = 4, 5) and his wife or partner is the biological mother of this household member (AD-9 RELSPCH[x] = 1); OR
2) his partner's child RELAR[x] = 8 and his wife or partner is the biological mother of this household member or the relationship of the woman to the child is missing (AD-9 RELSPCH[x] = 1 or . (sysmis)).

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

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

Code categories for CSPSBHH (public-use variable):

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

Code categories for CSPSBHH (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 his current wife or cohabiting partner

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

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

1) his biological, step, or adopted child, or his partner's child who is not the biological child of his current wife or cohabiting partner, OR
2) his legal ward or foster child.

Grandchildren, nieces, and nephews living with the respondent are not included in this count.

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) his biological, step, or adopted child (AD-5 RELAR[x] = 3, 4, 5) and his current wife or partner is not the biological mother of the child) (AD-9 RELSPCH[x] ≠ 1, 8, 9); OR
2) his partner's child (AD-5 RELAR[x] = 8) and the relationship of the current wife or partner is not the child's biological parent and is not missing AD-9 RELSPCH = 2, 3, 4, 5, 6); OR
3) his foster child or legal ward (AD-5 RELAR[x] = 6 or 7), regardless of the relationship of his current wife or partner to the child.

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** (defined in Flow Check A-21 in the CRQ) 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) (AF-1 INTACT=1)

intact18 = 2 (no) -- if R did not always live with both biological/adoptive parents from birth until time specified above (AF-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: Imputed if 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 parents from birth until age 18/interview/living on own (computed variable intact18=1).

OR

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

Else

PARAGE14=2 If R lived with biological mother and stepfather at age 14 (AF-3 LVSIT14F=2 and AF-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.

Note: This recode PARAGE14 is based on original, full-detail 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 (AF-6 MOMDEGRE)

EDUCMOM=95 If R was asked who he thought of as the woman who mostly raised him when he was a teenager, and identified no one, (AF-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: Imputed 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 his mother at first birth (1 LE AF-9 MOMFSTCH LE 5), then AGEMOMB1=AF-9 MOMFSTCH.

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

Else if R's mother figure had no biological children (AF-9 MOMFSTCH=96), then AGEMOMB1=96.

Imputation Note: Imputed when MOMFSTCH is missing for applicable respondents.

Code categories:

1 = Less than 18 years
2 = 18-19 years
3 = 20-24 years
4 = 25-29 years

5 = 30 or older
95 = No mother or mother figure
96 = Mother figure had no biological children

FMARNO: Number of times R has been married to a woman

Note: The FMARNO recode for females is defined based solely on a question asked in female Section C, in contrast to how male FMARNO is defined.

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

Else if Blaise-computed variable numwife NE DK/RF (as computed in Flow Check A-40) and AG-2 TIMESMAR NE DK/RF and AH-2 TIMESMARB NE DK/RF, then FMARNO=numwife.

Else if numwife=DK/RF or AG-2 TIMESMAR=DK/RF or AH-2 TIMESMARB=DK/RF, then FMARNO=1 *(FMARNO is set to 1 in this situation).*

Code categories:
0 = Never been married
1-n = Number of times married

Sections B-E Recodes

Section B: Ever Sex with a Female Partner, Sex Communication and Education, Vasectomy and Physical Ability to Father Children, Number of Female Sexual Partners, Enumeration and Relationship With Up To 3 Recent (Or Last) Female Sexual Partner(s)
Section C: Current Spouse or Cohabiting Partner
Section D: Recent Female Sexual Partners
Section E: First Former Wife and First Former Female Cohabiting Partner; First Female Sexual Partner

HADSEX: Whether R ever had sexual intercourse with a female

Values of Blaise-computed variable **rhadsex** (defined in Flow Check B-1b in the CRQ) are used to determine values of HADSEX.

If rhadsex=1 then HADSEX=1.
Else if rhadsex=0 or 2 then HADSEX=2.

Imputation Note: None is needed because rhadsex is set to 0 in Flow Check B-1b when BA-1 EVERSEX=DK/RF so HADSEX=2.

Code categories:
1 = Yes, R ever had intercourse with a female
2 = No, R never had intercourse with a female

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

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

Otherwise:

SEXONCE=1 (R had sex only once) if BA-2 SXMTONCE=5 (no).

SEXONCE=2 (R had sex more than once) if:
-- R has ever been married or ever cohabited (If FMARITAL NE 5 or COHEVER = 1)
-- R reported that he has had sex more than once (BA-2 SXMTONCE=1)

Imputation Note: Imputed for cases with BA-2 SXMTONCE = DK or RF.

Code categories:
Blank = inapplicable
1 = Yes (R has had sex only once)
2 = No (R has had sex more than once)

VRY1STSX: CM Date of First Sexual Intercourse with a Female

The following is an outline for the VRY1STSX recode to aid in understanding how it is created.

- Begin outline:

VRY1STSX is inapplicable if R never had sex.
Otherwise:

1. if never married or cohabited:
   a. only one partner in life
      1. only had sex once
         - get info from last sex with this one partner, in BD series
      2. had sex more than once
         - get info from first sex with this one partner, in DE series

   b. 2-3 partners in life and last sex was within past 12 months for each of them:
      If none of the partners in the past 12 months was the first partner (as reported in BD- 25 FIRST):
         - get info from earliest date among all dates in DD, DE and EC series

      If partner [n] in the past 12 months was the first partner (as reported in BD-25 FIRST):
         1. If only had sex once with that partner
            - get info from last sex with that partner, in BD series

2. If had sex more than once with that partner
- get info from first sex with that partner, in DE series

c. more than 3 partners in life and in last 12 months, or more partners in life than in last 12 months
(for example: there is 1+ partner before past 12 months or there are >3 partners in past 12 months - in other words, if there is a partner not captured in this loop because he either a) exceeded the maximum for the loop (3), or b) the last partner(s) occurred before loop's timeframe)

then:
- get info from first sex ever (EC) series

2. If ever married or ever cohabited:
a. only one partner in life
1. currently married or cohabiting
- get info from first sex with wife/partner (CC series)
2. not currently married nor cohabiting
- get info from first sex with (last) partner, in DE series
b. 2-3 partners in life and last sex was within past 12 months for each of them and If none of the partners in the past 12 months was the first partner (as reported in BD-25 FIRST):
- get info from earliest date among all dates in: BD, DE, CC, and EC series

If partner [n] in the past 12 months was the first partner (as reported in BD-25 FIRST) and
1. currently married to or cohabiting with that partner
- get info from first sex with wife/partner (CC series)
2. formerly married to or cohabiting with that partner
- get info from first sex with that partner (DE series)
3. never married to or cohabited with that partner
a. only had sex once with that partner
- get info from last sex with that partner (BD series)
b. had sex more than once with that partner
- get info from first sex with that partner (DE series)

c. more than 3 partners in life and in last 12 months, or more partners in life than in last 12 months then:
- get info from first sex ever (EC) series

- **End of outline**

- **Begin recode specifications:**

VRY1STSX is blank (inapplicable) if R never had sexual intercourse with a female (recode HADSEX = no).

1. If never married and never cohabited (If FMARITAL NE 5 or COHEVER = 1), then:

   a. If R had only one partner (computed variable **lifeprts**=1; lifeprts defined in Flow Check B-10), then:

      If R had sex only once (computed variable **sexstat**=1 or 3), then:
      VRY1STSX = computed variable **cmlsxp1**
      Else if R had sex more than once (computed variable sexstat=2 or 4), then:
      VRY1STSX= computed variable **cmfsxp**

   b. Else if R had 2-3 partners (lifeprts = 2 or 3) and last sex was within past 12 months for each of them and (computed variable mon12prts=lifeprts), then:

      If BD-25 FIRST=5, DK, RF, or sysmis, then:
      use the following dates to check for minimum date, and assign VRY1STSX that date:
      cmlsxp1, cmlsxp2, cmlsxp3,
      cmfsxp1, cmfsxp2, cmfsxp3, **cmfstsex**

      Else if BD-25 FIRST=1, 2, or 3, then use value of FIRST for "x"in lines 1 and 2 below.
      1. if R had sex only once with this partner (computed variable **mtoncep[x**]=2), then:
      VRY1STSX=**cmlsxp[x]**

      2. Else if R had sex more than once with this partner (**mtoncep[x]**=1), then:
      VRY1STSX=**cmfsxp[x]**

   c. Else, if R had more than 3 partners in life and in last 12 months (lifeprts>3 and mon12prts > 3), or if R had more partners in life than in last 12 months (lifeprts>mon12prts), then:

      VRY1STSX= computed variable cmfstsex

2. If ever married or ever cohabited (recode EVMARCOH=1), then:

   a. If R had only one partner (lifeprts=1), then:

      If R is currently married or cohabiting with a female (rmarit=1 or 2), then:
      VRY1STSX=computed variable **cmfsxcwp**
      Else, if not currently married nor cohabiting with a female (rmarit NE 1 or 2), then:
      VRY1STSX = cmfsxp[1]

   b. Else if R had 2-3 partners (lifeprts = 2 or 3) and last sex was within past 12 months for each of them and (mon12prts=lifeprts), then:

      If BD-25 FIRST=5, DK, RF, or sysmis, then use the following dates to check for

minimum date, and assign VRY1STSX that date:

cmlsxp1, cmlsxp2, cmlsxp3,
cmfsxp1, cmfsxp2, cmfsxp3
cmfsxcwp, cmfstsex

Else if BD-25 FIRST=1, 2, or 3, then use value of FIRST for "x" in lines 1, 2 and 3 below.

1. If R is currently married to or cohabiting with first partner (**p[x]relation**=1 or 3), then:
   VRY1STSX=**cmfsxcwp**

2. Else if R was formerly married to or cohabiting with first partner (**p[x]relation**=2, 4, or 5), then:
   VRY1STSX=**cmfsxp[x]**

3. Else if R never married to and never lived with first partner (**p[x]relation**=6) or answer is DK/RF (**p[x]relation**=8 or 9) then:
   If R had sex only once with this partner (**mtoncep[x**]=2), then:
   VRY1STSX=**cmlsxp[x]**

   Else if R had sex more than once with this partner (**mtoncep[x**]=1), then:

   VRY1STSX=**cmfsxp[x]**

c. Else, if R had more than 3 partners in life and in last 12 months (lifeprts>3 and mon12prts > 3), or if R had more partners in life than in last 12 months (lifeprts>mon12prts), then:
VRY1STSX=cmfstsex

Else if inputs above are missing but valid data exists in cmfstsex, then assign VRY1STSX=cmfstsx and firstpflag=1.

Else if inputs above are missing and valid data does not exist in cmfstsex, then VRY1STSX=-1 and firstpflag=9.

*Note: An intermediate variable called **firstpflag** (included on the data file) indicates which date of sex, from all possible sources, was the earliest that the R reported. This, then, indicates which partner was R's 1st partner, and allows easier linkage to characteristics of the 1st partner, such as age, relationship, and method use. It was used in the following recodes: VRY1STAG, FSEXPAGE, FSEXRLTN, SEX1MTHD1-4. For 2022-2023, 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.*

Value labels for firstpflag:

1= cmfstsex - CM of first sex ever, based on EC series
2= cmlsxp1 - CM when R last had sex with most recent partner
3= cmlsxp2 - CM when R last had sex with 2nd-to-last partner
4= cmlsxp3 - CM when R last had sex with 3rd-to-last partner
5= cmfsxp - CM when R first had sex with most recent partner
6= cmfsxp2 - CM when R first had sex with 2nd-to-last partner
7= cmfsxp3 - CM when R first had sex with 3rd-to-last partner
8= cmfsxcwp - CM when R first had sex with CWP
9= unable to determine: raw variable(s) missing

Code categories for VRY1STSX (public-use variable):

Blank	=	inapplicable
xxxx – 1488	=	CM date of first sex
9997	=	not ascertained

Code categories for INVRY1STSX (restricted-use variable):

Blank	=	inapplicable
xxxx – 1488	=	CM date of first sex

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

Code categories for INVRY1STAG (restricted-use variable):

Blank	= inapplicable
xx-49	= age in years

FSEXRLTN: Relationship with 1st sexual partner at time of 1st sex

FSEXRLTN is blank (inapplicable) if R never had sexual intercourse with a female (recode HADSEX = no

FSEXRLTN = DE-3 PXFRLTN[x] if:
recode VRY1STSX was drawn from the DE series (Blaise-computed variables **cmfsxp[x]** defined in Flow Check D-30, where "x" reflects R's 1st partner and he had sex with her more than once).
[note: for x above, 2=last partner, 4=next-to-last partner, 6=3rd-to last partner]

Else FSEXRLTN = DC-9 PXFRLTN[x] if:
recode VRY1STSX was drawn from the BD series (Blaise-computed variables **cmlsxp1, cmlsxp2,or cmlsxp3,** defined in Flow Checks B-19, B-27, and B-35, where 1,2, or 3 reflects R's 1st partner and he had sex with her only once).
[note: for x above, 1=last partner, 3=next-to-last partner, 5=3rd-to last partner]

Else FSEXRLTN = CC-3 CWPSX1RL if:
recode VRY1STSX was drawn from Section C (Blaise-computed variable **cmfsxcwp** defined in Flow Check C-11).

Else FSEXRLTN = EC-10 FPRLTN if:
recode VRY1STSX was drawn from the EC series (Blaise-computed variable **cmfstsex**, defined in Flow Check E-18).

Note: See VRY1STSX for creation of firstpflag which determines the series from which inputs to this recode should be taken

Imputation Note: Imputed if the relationship variable needed for the particular case is "DK/RF."

Code categories:

Blank =	Inapplicable
1 =	Married to her
2 =	Engaged to her, and living together
3 =	Engaged to her, 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 her once in a while
7 =	Just friends
8 =	Had just met her
9 =	Something else

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

SEX1MTHD1 is blank (inapplicable) if R has never had sexual intercourse with a female (recode

HADSEX=2).

Otherwise, for all Rs who have had sexual intercourse with a female:
(see specs for VRY1STSX for description of intermediate firstpflag, which indicates where VRY1STSX was drawn from)

*Notes: computed variable **sexstat** is defined in Flow Check B-11a*
*computed variable **lifeprts** is defined in Flow Check B-10*
*computed variable **mon12prts** is defined in Flow Check B-11*
*computed variable **mtoncep[x]** is defined in Flow Check D-17 and D-19*
*computed variable **p[x]relation (x=1 or 2 or 3)** is defined in Flow Check B-36*

1. If recode VRY1STSX was drawn from the DE series (Blaise-computed variables **cmfsxp[x]** defined in Flow Check D-30, where "x" reflects R's 1st or only partner and he had sex with her more than once), then:

   If no method used at first sex (DE-4 PXFUSE[x]=5), then SEX1MTHD1=96. (x depends on which partner is first partner, identified in VRY1STSX/firstpflag) Else SEX1MTHD1=DE-5 PXFMETH[x] (1st mention for this first partner; if R only had 1 partner, or last partner was first partner, then x=01. If 2nd-to-last partner was first partner, x=14. If 3rd-to-last partner was first partner, x=27.)

2. If recode VRY1STSX was drawn from the BD series (Blaise-computed variables **cmlsxp1, cmlsxp2, or cmlsxp3,** defined in Flow Checks B-19, B-27, and B-35, where 1,2, or 3 is R's first or only partner and he had sex with her only once).

   If no method used at last sex (DC-1 PXLRUSE=5 and DC-3 PXLPUSE=5), then SEX1MTHD1=96.
   Else:
   If (DC-2 PXL**R**METH1 =1,2,3,10,DK,RF and DC-4 PXL**P**METH01= blank), SEX1MTHD1=DC-2 PXL**R**METH1
   {above: only R used a method
   Else if (DC-2 PXL**R**METH1 = blank and DC-4 PXL**P**METH01=4,5,6,7,8,9,10,11,12), SEX1MTHD1=DC-2 PXL**P**METH01
   {above: only R's P used a method
   Else if DC-2 PXL**R**METH1=1,2,3,10 and DC-4 PXL**P**METH01= 4,5,6,7,8,9,10,11,12), SEX1MTHD1=DC-2 PXL**R**METH1
   {above: both R and R's P used a meth. R's method goes in SEX1MTHD1. P's method goes in SEX1MTHD2.

3. If recode VRY1STSX was drawn from the CC series (Blaise-computed variable **cmfsxcwp** defined in Flow Check C-11), then do:

   If no method used at first sex (CC-4 CWPFUSE=5), then SEX1MTHD1=96. Else SEX1MTHD1=CC-5 CWPFMET01.

4. If recode VRY1STSX was drawn from the EC series (Blaise-computed variable

cmfstsex, defined in Flow Check D-60), then do:

If no method used at first sex (EC-9 FPUSE=5), then SEX1MTHD1=96 Else SEX1MTHD1=EC-10 FPMETH01

Imputation Note: Unlike LSEXUSE1-4 (contraceptive use at last sex), the categories for SEX1MTHD1-4 do not contain a "95" (R used no method; R does not know if partner used a method). Instead, these are imputed on this recode. This is because only a very select group of Rs would have qualified for the "95" code on this recode (those for whom one of the 3 partners in the past 12 months was the first partner and he only had sex with her once). Also, if R DID use a method but does not know if partner used a method, SEX1MTHD2, 3, and 4 are imputed (representing partner's possible use). (In these specific cases, the respondent never used more than one method so SEX1MTHD2, 3, and 4 are all potential slots for partner use.)

Code categories:

Blank = inapplicable
1 =Condom
2 =Withdrawal
3 =Vasectomy
4 =Pill
5 =Female sterilization
6 =Injection -- Depo-Provera/Lunelle
7 =Hormonal implant
8 =Rhythm or safe period
9 =Contraceptive patch
10 =Vaginal contraceptive ring
11 =IUD
12 =Something else
96 =No method used at first intercourse

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

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

Repeat specifications for SEX1MTHD1 for remaining values of SEX1MTHD2-4.
Areas where method use would need to be selected for 2nd, 3rd, 4th mentions of method:

1. Where VRY1STSX drawn from DE series
   PXFMETH01 becomes PXFMETH02,03,04 if partner # 1 in the loop is identified as 1st partner or R only had 1 partner.
   PXFMETH14 becomes PXFMETH15,16,17 if partner # 2 in the loop is identified as 1st partner.
   PXFMETH27 becomes PXFMETH28,29,30 if partner # 3 in the loop is identified as 1st partner.

2. Where VRY1STSX drawn from BD series PXL**R**METHx:
PXLRMETH1 becomes 2,3,4 if partner #1 in the loop is identified as 1st partner or R only had 1 partner
PXLRMETH5 becomes 6,7,8 if partner #2 in the loop is identified as 1st partner
PXLRMETH9 becomes,10,11,12 if partner #3 in the loop is identified as 1st partner

PXL**P**METHx:
PXLPMETH01 becomes 02,03,04 if partner #1 in the loop is identified as 1st partner or R only had 1 partner
PXLPMETH11 becomes 12,13,14 if partner #2 in the loop is identified as 1st partner
PXLPMETH21 becomes 22,23,24 if partner #3 in the loop is identified as 1st partner

SEX1MTHD2 becomes one of the following:
P's 1st mention if R and P both used one
R's 2nd mention if R used > 1 and P used none
P's 2nd mention if R used none and P used >1
SEX1MTHD3 becomes one of the following:
R's 2nd mention if R used >1 and P used one
P's 2nd mention if R used one and P used >1
R's 2nd mention if R used >1 and P used >1
SEX1MTHD4 becomes P's 2nd mention -- only happens when R used > 1 and P used > 1

3. Where VRY1STSX drawn from CC series CWPFMET01 becomes CWPFMET02,03,04

4. Where VRY1STSX drawn from EC series FPMETH01 becomes FPMETH02,03,04

Note: See notes for SEX1MTHD1.

Code categories:
see SEX1MTHD1

LSEXDATE: CM date of last or most recent sexual intercourse

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

LSEXDATE is derived from Blaise-computed variable **cmlsxp1** (date of last sex with most recent partner, defined in Flow Check B-19)

LSEXDATE=cmlsxp1

Imputation note: LSEXDATE is imputed if computed variable cmlsxp1 is missing for applicable respondents.

Code categories:
Blank = inapplicable

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

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 female (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;
```

Note: This recode includes month of interview, and 2 months before interview.

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)

SEX12MO: Whether R had sexual intercourse in last 12 months (including interview month) (based on LSEXDATE)**

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

Otherwise, SEX12MO is defined based on comparing R's date of last sex (recode LSEXDATE) to the CM date (cmlstyr) corresponding to 12 months prior to interview (including month of interview):

SEX12MO=1 if LSEXDATE GT cmlstyr
SEX12MO=2 if LSEXDATE LE cmlstyr

SAS logic:

```
If hadsex = 2 then sex12mo=.;
Else if lsexdate GT cmlstyr then sex12mo = 1;
Else sex12mo = 2;
```

Note: This recode includes month of interview, and 11 months before interview.

Code categories:

Blank = Inapplicable
1 = Yes, had intercourse in the past 12 months (including interview month)
2 = No, did not have intercourse in the past 12 months (including interview month)

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

LSEXRAGE is blank (inapplicable) if R has never had sexual intercourse with a female (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);
```

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

EVMARCOH: Whether R ever married or cohabited with a woman**

Recodes FMARITAL and COHEVER are used to define EVMARCOH.

Note: The computed variable evrcohab in the male questionnaire is not equivalent to the recode COHEVER, which indicates whether R ever cohabited with any female, including premarital cohabitation with women he later married. Computed variable evrcohab can be "no" if R's only cohabitation experience was with women he later married. See Flow Check A-40 for definition of evrcohab.

SAS logic:

```
If fmarital NE 5 or cohever = 1 then evmarcoh = 1;
Else evmarcoh = 2;
```

Code categories:

1 = Yes, ever married or cohabited with a woman
2 = No, never married or cohabited with a woman

LSEXRLTN: Relationship with last sexual partner at last sex

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

Create intermediate variable **dcrelatn** for Section D (DC series) relationship at last sex with last partner in past 12 months or ever:

DCRELATN=.;
if DC-9 PXFRLTN1=1 then DCRELATN=1;
else if PXFRLTN1=2 or 3 then DCRELATN=2;
else if PXFRLTN1=4 then DCRELATN=3;
else if PXFRLTN1=5 then DCRELATN=4;
else if PXFRLTN1=6 then DCRELATN=5;
else if PXFRLTN1=7 then DCRELATN=6;
else if PXFRLTN1=8 then DCRELATN=7;
else if PXFRLTN1=9 then DCRELATN=8;

<u>For all Rs who have had sexual intercourse with a female (recode HADSEX = 1):</u>

If R is married or cohabiting with a female (rmarit=1 or 2) then:
If recode LSEXDATE equals **cmlsxcwp** and p1relation=1,2 or 3, then do:

if rmarit=1 (married), then LSEXRLTN=1
if rmarit=2 (cohabiting), then LSEXRLTN=3
end do.

Else if LSEXDATE equals **cmlsxp1**, and p1relation >=4 then:

LSEXRLTN = DCRELATN

Else if R is not married and not cohabiting with a female (rmarit ne 1 or 2), then:
If R was never married to nor cohabited with last female partner (computed variable **p1relation**=6) or R was formerly married to or cohabiting with last partner (computed variable **p1relation**=4 or 5) or R responded don't know or refused to relationship with last partner (**p1relation**=8 or 9) then: LSEXRLTN = DCRELATN
Else if R was married to or separated from last partner (computed variable **p1relation**=1 or 2) then: LSEXRLTN=1
Else if R was cohabiting with last partner (computed variable p1relation=3) then: LSEXRLTN=3

If any LSEXRLTN=2 ("engaged to her"), assign special code 9.

Notes: Males whose last partner was a current wife or cohabiting partner were not asked about relationship with last partner at last sex. Therefore:

1) males who were currently married, and whose last partner was their wife, were coded 1; males who were currently cohabiting, and whose last partner was their cohabiting partner, were coded 3.

2) Since only those who got asked the question got a chance to answer "Engaged to her," this category is numbered 9 and labeled "Engaged to her: only asked of a subset of Rs." Those not asked are those who were currently cohabiting with the last partner.

This recode also differs from the male recode capturing relationship with partner at first sexual intercourse (FSEXRLTN), in the same way as described above.

For further information on the cohabiting union, users may wish to use CA-7 ENGATHEN, which tells whether they were engaged at start of cohabitation, and CA-8 WILLMARR, which indicates the likelihood of marriage using 5 response categories.

Imputation Note: Imputation takes into account non-missing values on P1RELATION when PXFRLTN1 is "DK/RF." PXFRLTN1 should be used in all cases when it is a valid value.

Code categories:

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

PARTDUR1-3: Number of months between 1st and most recent sexual intercourse with (most recent / second-to-last / third-to-last) sexual partner (in the past 12 months)

Most recent partner:

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

If R's most recent partner was a current wife (not separated) or cohabiting partner (p1relation=1 or 3), and date of last and first sex are not missing (cmlsxp1 not sysmis, 9998, or 9999 and cmfsxcwp not sysmis, 9998, or 9999):

PARTDUR1 = (cmlsxp1 – cmfsxcwp)

Else if R's most recent partner was not a current wife or cohabiting partner (p1relation=2,4,5,6,8, or 9) and date of last and first sex are not missing (cmlsxp1 not sysmis, 9998, or 9999 and cmfsxp not sysmis, 9998, or 9999):

PARTDUR1 = (cmlsxp1 - cmfsxp)

Else if R only had sex once with most recent partner (mtoncep=2),

PARTDUR1 = 997

Second- and third- most recent partners:

PARTDUR2/3 is blank (inapplicable) if:
-- R has never had sexual intercourse (recode HADSEX=2), or if
-- R had no partners or only 1 partner (for PARTDUR2) or fewer than 3 partners (for PARTDUR3) in the past 12 months based on PARTS1YR

If R's 2nd/3rd most recent partner was a current wife (not separated) or cohabiting partner (p2relation/p3relation=1 or 3), and date of last and first sex are not missing (cmlsxp2/cmlsxp3 not sysmis, 9998, or 9999 and cmfsxcwp not sysmis, 9998, or 9999):

PARTDUR2/3 = (cmlsxp2/cmlsxp3 – cmfsxcwp)

Else if R's 2nd/3rd most recent partner was not a current wife or cohabiting partner (p2relation/p3relation =2, 4,5,6,8, or 9) and date of last and first sex are not missing (cmlsxp2/cmlsxp3 not sysmis, 9998, or 9999 and cmfsxp2/cmfsxp3 not sysmis, 9998, or 9999):

PARTDUR1 = (cmlsxp2/cmlsxp3 - cmfsxp2/cmfsxp3)

Else if R only had sex once with 2nd/3rd most recent partner (mtoncep2/mtoncep3=2):

PARTDUR2/3 = 997.

Imputation Note: *Imputation can use any valid response on cmlsxp1/2/3 or cmfsxcwp or cmfsxp, cmfsxp2/3 as a constraint. In addition to when there are missing or dk/rf values on input variables, impute when century month of last sex minus century month of first sex results in a negative value.*

Code categories:
Blank = inapplicable
0 – nnn = number of months
997 = only had sex once with partner

LSEXUSE1: Method used at last sex -1st method

LSEXUSE1 is blank (inapplicable) if R has never had sexual intercourse with a female (recode HADSEX=2).

1. Follow this block: -- if R is not currently married nor cohabiting with a female (rmarit not equal to 1 or 2);
-- if R is currently married (rmarit=1) but current wife is not R's last partner (p1relation>1) or

-- if R is currently cohabiting (rmarit=2) but current cohabiting partner is not R's last partner p1relation NE 3)

If no method used at last sex (DC-1 PXLRUSE=5 and DC-3 PXLPUSE=5), then LSEXUSE1=96.

Else if R did not use a method and does not know if his partner used a method (DC-1 PXLRUSE=5 and DC-3 PXLPUSE=DK/RF), then LSEXUSE1=95.

Else If (DC-2 PXL**R**METH1 =1,2,3,10,DK,RF and DC-4 PXL**P**METH01= blank), LSEXUSE1=DC-2 PXL**R**METH1

{above: only R used a method
Else if (DC-2 PXL**R**METH1 = blank and DC-4 PXL**P**METH01=4,5,6,7,8,9,10,11,12,13,DK,RF), LSEXUSE1=DC-2 PXL**P**METH01

{above: only R's P used a method
Else if DC-2 PXL**R**METH1=1,2,3,10,DK,RF and DC-4 PXL**P**METH01= 4,5,6,7,8,9,10,11,12,13,DK,RF), LSEXUSE1=DC-2 PXL**R**METH1
{above: both R and R's P used a meth. R's method goes in LSEXUSE1. P's method goes in LSEXUSE2, below.

2. Follow this block if R is currently married or cohabiting (rmarit = 1 or 2) and current wife/partner <u>is</u> his last partner (p1relation=1 or 3).

If no method used at last sex (CE-2 CWPLUSE1=5 and CE-4 CWPLUSE2=5), then LSEXUSE1=96.

Else:

If (CE-3 CWPLMET14=1,2,3,10,DK,RF and CE-5 CWPLMET201= blank), LSEXUSE1=CE-6 CWPLMET14
{above: only R used a method
Else if (CE-3 CWPLMET14 = blank and CE-5 CWPLMET201=4,5,6,7,8,9,10, 11,12,13,DK,RF), LSEXUSE1=CE-5 CWPLMET201
{above: only R's P used a method
Else if (CE-3 CWPLMET14 = 1,2,3,10,DK/RF and CE-5 CWPLMET201=4,5,6,7,8,9,10,11,12,13,DK,RF), LSEXUSE1=CE-5 CWPLMET14
{above: both R and R's P used a meth. R's method goes in #1. P's method goes in #2.

User note: *Cases with 2 values of 12 across LSEXUSE1-4 are those where the respondent said "something else" for his own method use and also for his female partner's method use.*

Imputation note: *Imputation on LSEXUSE1,2,3, and 4 depends partly on dk/rf values on the input variables: "did R use a method? y/n", "what method did R use?","Did R's partner use a method? y/n", and "what method did R's partner use?". Different combinations of dk/rf on these variables result in specific imputation combinations on these 4 recodes.*

Code categories:

Blank = inapplicable
1 = Condom
2 = Withdrawal
3 = Vasectomy
4 = Pill
5 = Female sterilization
6 = Injection -- Depo-Provera/Lunelle
7 = Hormonal implant
8 = Rhythm or safe period
9 = Contraceptive patch
10 = Vaginal contraceptive ring
11 = IUD
12 = Something else
95 = R used no method; R does not know if partner used a method
96 = No method used at last sex

LSEXUSE2-LSEXUSE4: Method used at last sex -2nd/3rd/4th method

LSEXUSE2/3/4= blank (inapplicable) if:
-- if R has never had sexual intercourse with a female (recode HADSEX=2), or if
-- R did not use a 2nd/3rd/4th method at last sex.

LSEXUSE2/3/4=96 if LSEXUSE1=96
LSEXUSE2/3/4=95 if LSEXUSE1=95

Repeat specifications for LSEXUSE1 for remaining values of LSEXUSE2/3/4.
Areas where method use would need to be selected for 2nd, 3rd, 4th mentions of method:

1:

PXLRMETH1 and PXLPMETH01 become PXLRMETH2-4 and PXLPMETH01-04
LSEXUSE2 becomes one of the following:
P's 1st mention if R and P both used one
R's 2nd mention if R used > 1 and P used none
P's 2nd mention if R used none and P used >1
LSEXUSE3 becomes one of the following:
R's 2nd mention if R used >1 and P used one
P's 2nd mention if R used one and P used >1
R's 2nd mention if R used >1 and P used >1
LSEXUSE4 becomes P's 2nd mention -- only happens when R used > 1 and P used > 1

2:

CWPLMET14 and CWPLMET201 become CWPLMET15-17 and CWPLMET201-204

LSEXUSE2 becomes one of the following:
- CWP's 1st mention if R and CWP both used one
- R's 2nd mention if R used > 1 and CWP used none
- CWP's 2nd mention if R used none and CWP used >1

LSEXUSE3 becomes one of the following:
- R's 2nd mention if R used >1 and CWP used one
- CWP's 2nd mention if R used one and CWP used >1
- R's 2nd mention if R used >1 and CWP used >1

LSEXUSE4 becomes CWP's 2nd mention -- only happens when R used > 1 and CWP used > 1

Code categories:

see LSEXUSE1

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

METH12M1 = blank (inapplicable) if:
-- R has never had sexual intercourse with a female (recode HADSEX=2)
-- R did not have sex in the last 12 months (recode SEX12MO=no)

Else METH12M1 = recode LSEXUSE1.

SAS logic:

```
If hadsex = 2 or sex12mo = 2 then meth12m1 = .;
Else meth12m1 = lsexuse1;
```

Code categories:

Blank	= inapplicable
1	= Condom
2	= Withdrawal
3	= Vasectomy
4	= Pill
5	= Female sterilization
6	= Injection -- Depo-Provera/Lunelle
7	= Hormonal implant
8	= Rhythm or safe period
9	= Contraceptive patch
10	= Vaginal contraceptive ring
11	= IUD
12	= Something else
95	= R used no method; R does not know if partner used a method
96	= No method used at last sex in the past 12 months

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

METH12M2/3/4 is blank (inapplicable) if:
-- R has never had sexual intercourse with a female (recode HADSEX=2)
-- R did not have sex in the last 12 months (recode SEX12MO=no)
-- R did not use a 2nd/3rd/4th method at last sex in past 12 months.

Else METH12M2/3/4=recode LSEXUSE2/3/4.

Code categories:
see METH12M1

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

METH3M1 is blank (inapplicable) if:
-- R has never had sexual intercourse with a female (recode HADSEX=2)
-- R did not have sex in the last 3 months (recode SEX3MO=no)

Else METH3M1 = recode LSEXUSE1.

Code categories:
Blank = inapplicable
1 = Condom
2 = Withdrawal
3 = Vasectomy
4 = Pill
5 = Female sterilization
6 = Injection -- Depo-Provera/Lunelle
7 = Hormonal implant
8 = Rhythm or safe period
9 = Contraceptive patch
10 = Vaginal contraceptive ring
11 = IUD
12 = Something else
95 = R used no method; R does not know if partner used a method
96 = No method used at last sex in the past 3 months

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

METH3M2/3/4 is blank (inapplicable) if:
-- R has never had sexual intercourse with a female (recode HADSEX=2)
-- R did not have sex in the last 3 months (recode SEX3MO=no)
-- R did not use a 2nd/3rd/4th method at last sex in past 3 months.

Else METH3M2/3/4 = recode LSEXUSE2/3/4.

Code categories:
see METH3M1

NUMP3MOS: Number of female partners in past 3 months

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

Otherwise:
If R had no female sex partners in the last 3 months (LSEXDATE LT CMINTVW-2), then
NUMP3MOS=0

Else if R had 1 or more female sex partners in the last 3 months (LSEXDATE GE CMINTVW-2), then do:

If the last partner was a current wife or partner, subtract the date in cmlsxcwp from the calculations below, because it is already in cmlsxp1. (if **cmlsxcwp** NE sysmis and p1relation=1 or 3)

If 1,2, or 3 partners in the past year (PARTS1YR<4) then do:

For each partner for whom the date of last sex (computed variables **cmlsxp1, cmlsxp2, cmlsxp3, cmlsxcwp**) is within past 3 months, (date >= cmintvw-2), increment NUMP3MOS by 1. (NUMP3MOS=1, 2, or 3)

Else if more than 3 partners in the last 12 months (PARTS1YR>=4), and there is no date of last sex with wife/cohabiting partner (cmlsxcwp=.) then do

For each partner with whom the date of last sex (computed variables **cmlsxp1, cmlsxp2, cmlsxp3**) is within the past 3 months (cmlsxp[x] >= cmintvw-2), increment NUMP3MOS by 1 (NUMP3MOS=1, 2, or 3), except if all 3 partners fall within past 3 months, then NUMP3MOS=4. (If cmlsxp1 and cmlsxp2 and cmlsxp3 >= cmintvw-2), then NUMP3MOS=4).

Else if more than 3 partners in the last 12 months (PARTS1YR>=4), and there is a date of last sex with wife/cohabiting partner (cmlsxcwp NE .) then do

If PARTS1YR=4 and all three dates of last nonmarital, noncohabiting partners fall within the past 3 months (cmlsxp1 and cmlsxp2 and cmlsxp3 >= cmintvw-2) and
- Date of last sex with wife/partner is also within past 3 months (cmlsxcwp>=cmintvw-2) then NUMP3MOS=4
- Date of last sex with wife/partner is not within past 3 months (cmlsxcwp<cmintvw-2) then NUMP3MOS=3

Else if PARTS1YR>4 and all three dates of last nonmarital, noncohabiting partners fall within the past 3 months (cmlsxp1, cmlsxp2, cmlsxp3 >= cmintvw-2) then NUMP3MOS=4 (does not matter what cmlsxcwp is).

Else, for each partner with whom the date of last sex (computed variables **cmlsxp1, cmlsxp2, cmlsxp3, cmlsxcwp**) is within the past 3 months (cmlsxp1, cmlsxp2, cmlsxp3 or cmlsxcwp >= cmintvw-2), increment NUMP3MOS by 1.

Notes:
*-- Computed variable **cmintvw** is defined in Flow Check A-1*
-- Code categories:

The questionnaire was designed to capture a maximum of 3 female 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. Criteria for determining category "4" are different depending on whether one of the partners in the past 3 months is a wife/cohabiting partner.

Imputation Note: Created based on imputed values of the source recodes and also imputed with regression modeling if applicable computed variables have missing values.

Code categories:

Blank = Inapplicable
0 = 0 partners
1 = 1 partner
2 = 2 partners
3 = 3 partners exactly
4 = 3, possibly more partners

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

PARTS1YR is based on values of Blaise-computed variable **mon12prts,** as defined in Flow Check B-11.

PARTS1YR = mon12prts

Once PARTS1YR was defined as above, the following reassignment took place to reconcile PARTS1YR with whether the respondent had sex in the past 12 months based on comparing LSEXDATE with the date of interview, the latter recode being based on actual reported dates of last sex with recent partners. This reconciliation is consistent with that done for the analogous female recode PARTS1YR.

if PARTS1YR=0 and R had sex in the past 12 months based on LSEXDATE (LSEXDATE GE cmintvw-11) then PARTS1YR=1;

Note: For the above cases who meet this criteria because they said "none" to number of partners in past 12 months (mon12prts=0), and reported a date of last sex within past 12 months (LSEXDATE GE cmintvw-11), it is likely they are only being inconsistent about one partner, not multiple partners. Therefore, PARTS1YR is

assigned "1."

else if PARTS1YR GE 1 and R did not have sex in the past 12 months based on LSEXDATE (LSEXDATE LT cmintvw-11) then PARTS1YR=0;

Note: The original PARTS1YR recode, as defined above, was top-coded at TBD. The full-detail variable called INPARTS1YR is available through the NCHS Research Data Center.

Imputation note: Imputed with regression modeling if applicable computed variable mon12prts had missing (dk/rf) values.

Code categories for PARTS1YR (public-use variable):
0 – 6 = number of 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):
0 – nnn = number of opposite-sex partners in last 12 months

LIFPRTNR : Number of opposite-sex sexual partners in lifetime

LIFPRTNR is based on values of Blaise-computed variable **lifeprts,** as defined in Flow Check B-10.

LIFPRTNR = lifeprts

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

Imputation Note: LIFPRTNR is imputed if LIFEPRTS is DK/RF. PARTS1YR is used as a lower bound for imputation.

Code categories for LIFPRTNR (public-use variable):
0-49 = 0-49 opposite-sex partners in lifetime
50 = 50 or more opposite-sex partners in lifetime

Code categories for INLIFPRTNR (restricted-use variable):
0-nnn = number of opposite-sex partners in lifetime

COHEVER : Whether R ever cohabited with a woman (including premarital cohabitation)

Note: This recode has no inapplicable category. If you wish to limit analysis of cohabitation to those who have ever had intercourse, use HADSEX=1.

Blaise-computed variable **evrcohab** (defined in Flow Check A-40) indicates whether R has ever

cohabited with a woman he never married.

To include premarital cohabitation as well, the following variables must be checked (only for Rs who have ever been married to a woman -- if recode FMARITAL = 1, 2, 3 or 4):

- CA-4 LIVTOGSP=1 if recode RMARITAL=1 or 5 (whether R cohabited premaritally with his current spouse and current spouse is a woman)
- DA-3 LIVTOGN_1, LIVTOGN_2, LIVTOGN_3 (array of up to 3 variables corresponding to up to 3 recent sexual partners who were also R's wives; whether R cohabited premaritally with each)
- EB-4 LIVTOGN_W1 (whether R cohabited premaritally with first former wife)

COHEVER = 1 (yes) if computed variable evrcohab=1 or if there is any "yes" response to the above questions about premarital cohabitation.

(Note: If R was never married to a woman, only evrcohab is used to define COHEVER.)

ELSE COHEVER = 2 (no).

Imputation Note: This recode is logically imputed for cases with no "yes" values and DK/RF on source variables, or for cases who are ever-married and never cohabited outside marriage (evrcohab=0) but are sysmis on all or some applicable variables about whether R cohabited premaritally with a spouse (LIVTOGSP, LIVTOGN_1, LIVTOGN_2, LIVTOGN_3, LIVTOGN_W1).

Code categories:
1 = Yes, ever cohabited with a woman (lived with her outside of marriage)
2 = No, never cohabited with a woman (lived with her outside of marriage)

MARDAT01: Year of R's marriage to 1st wife

Note: For 2022-2023 NSFG, this recode is only being defined for R's 1st wives.

MARDAT01 is blank (inapplicable) if R has never been married to woman (recode FMARITAL = 5).

Otherwise:

If R has only been married to a woman once (recode FMARNO=1), then do:

If R is currently married to a woman, MARDAT01 is drawn from **cmcurmar** in Section C.

If R is not currently married to a woman, MARDAT01 is drawn from the only non-sysmis value found among **cmmarp[x]** (from Section D) or **cmmarw1** (from Section E).

Else if R has been married to a woman more than once (FMARNO GT 1), then do:

MARDAT01 is drawn from the earliest (nonsysmis) value found among **cmmarp[x]** (from Section D) or **cmmarw1** (from Section E).

*Note: If there is a nonsysmis value on both **cmmarw1** (1st former wife, as reported in E) and **cmmarp[x]** (recent sexual partners in last 12 months, or last partner ever), then MARDAT01 should be drawn from cmmarw1, even if DK/RF.*

Note: This recode was defined initially as CM date of marriage, but for inclusion on the 2022-2023 public-use files, the CM date was converted to years of marriage. The original CM date is restricted-use, available only through the NCHS Research Data Center. Also, due to questionnaire revisions in 2022-2023, information is not collected on all of men's former (non-first) marriages. For example, information on a 2nd or 3rd former wife would only be collected if they are a current wife asked about in Section C or a recent sexual partner asked about in Section D.

Imputation Note: Imputation of MARDAT01 is needed if the applicable CM variable is DK/RF, or if previously married but there were no applicable marriage dates for the respective conditions of the case.

Code categories for MARDAT01 (public-use variable):

Blank	= Inapplicable
xxxx - 2023	= Year when marriage to 1st wife began

Code categories for INMARDAT01 (restricted-use variable):

Blank	= Inapplicable
xxxx-1488	= CM date when marriage to 1st wife began

MARDIS01: Year of dissolution of R's marriage to 1st wife

Note: For 2022-2023 NSFG, this recode is only being defined for R's 1st wives.

MARDIS01 is blank (inapplicable) if:
-- R has never been married to a woman(recode FMARITAL=5) , or
-- R has been married to a woman once (recode FMARNO=1) and that marriage is intact (recode FMARITAL=1).

Otherwise:

If recode MARDAT01 is drawn from Blaise-computed cmmarp[x] in Section D, then MARDIS01 is defined based on Section D variables corresponding to that former wife.
(Note: DA-7 MARREND is represented by 3 variables in the data file – MARREND_1, MARREND_2, & MARREND_3, so the appropriate MARREND_n variable should be used for MARDIS01, based on which of these 3 recent partners was R's first former wife.)

If DA-7 MARREND = 4 (separation) then MARDIS01 = **cmstopp[x]**.

Else if MARREND = 1 (death) then MARDIS01= **cmendm[x]**.

Else if MARREND = 2 (divorce) or MARREND = 3 (annulment) then do:
if **cmstopp[x]** LT **cmendm[x]** then MARDIS01 = **cmstopp[x]**
else if **cmstopp[x]** GE **cmendm[x]** then MARDIS01 = **cmemdm[x]**
end do.

Else if recode MARDAT01 is drawn from Blaise-computed cmmarw1 in Section E, then MARDIS01 is defined based on Section E variables corresponding to that former wife.

If EB-8 MARREND_W1 = 4 (separation) then MARDIS01 = **cmstopw1**.
Else if MARREND_W1 = 1 (death) then MARDIS01 = **cmfmend_w1**.
Else if MARREND_W1 = 2 (divorce) or MARREND_W1 = 3 (annulment) then do:
if **cmstopw1** LT **cmfmend_w1** then MARDIS01 = **cmstopw1**
else if **cmstopw1** GE **cmfmend_w1** then MARDIS01 = **cmfmend_w1**
end do.

Notes:

- *If R stopped living with his 1st wife before his divorce or annulment became final, MARDIS01 is defined as the date when he last lived with her.*
- *The MARDIS01 recode was defined initially as CM date of dissolution of marriage, but for inclusion on the 2022-2023 public-use files, the CM date was converted to year of marriage dissolution. The original CM date is restricted-use, available only through the NCHS Research Data Center. Also, due to questionnaire revisions in 2022-2023, information is not collected on all of men's former (non-first) marriages. For example, information on a 2nd or 3rd former wife would only be collected if they are a current wife asked about in Section C or a recent sexual partner asked about in Section D.*

Imputation Note: Imputation of MARDIS01 is needed if the applicable CM variable is DK/RF or all applicable CM variables are sysmis.

Code categories for MARDIS01 (public-use variable):

Blank	= Inapplicable
xxxx - 2023	= Year when marriage to 1st wife ended

Code categories for INMARDIS01 (restricted-use variable):

Blank	= Inapplicable
xxxx-1488	= CM date when marriage to 1st wife dissolved

MAREND01: How R's marriage to 1st wife ended

Note: For 2022-2023 NSFG, this recode is only being defined for R's 1st wives.

MAREND01 is blank (inapplicable) if:
-- R has never been married to a woman (recode FMARITAL = 5), or

-- R has been married to a woman once (recode FMARNO=1) and that marriage is intact (recode FMARITAL=1).

Otherwise:

Define MAREND01 based on DA-7 MARREND/EB-8 MARREND_W1 corresponding to that former wife:

If recode MARDAT01 is drawn from Blaise-computed **cmmarp[x]** in Section D, then check DA-7 MARREND corresponding to that former wife as shown below.

Using whichever DA-7 MARREND[x] variable is appropriate from Section D:

If DA-7 MARREND[x] =2 or 3 then MAREND01 =1.
Else if DA-7 MARREND[x] =4 then MAREND01 =2.
Else if DA-7 MARREND[x] =1 then MAREND01 =3.
Else if DA-7 MARREND[x] =DK/RF then impute MAREND01.

Else if recode MARDAT01 is drawn from Blaise-computed **cmmarw1** in Section E, then use EB-8 MARREND_W1 as shown below.

If EB-8 MARREND_W1 =2 or 3 then MAREND01 =1.
Else if EB-8 MARREND_W1 =4 then MAREND01 =2.
Else if EB-8 MARREND_W1 =1 then MAREND01 =3.

Note: *Due to questionnaire revisions in 2022-2023, information is not collected on all of men's former (non-first) marriages. For example, information on a 2nd or 3rd former wife would only be collected if they are a current wife asked about in Section C or a recent sexual partner asked about in Section D.*

Imputation Note: *Imputed for cases with DK/RF values on whichever value of MARREND[x] corresponds to R's 1st marriage, or if previously married but there was no applicable information on how marriage ended.*

Code categories:

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

MAR1DISS**: Months between 1st marriage to a woman and dissolution of that marriage (or date of interview)

MAR1DISS is blank (inapplicable) if R has never been married to a woman (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:

MAR1DISS = cmintvw - 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
001-nnn	= Months between 1st marriage and dissolution (or interview)

PREMARW1: Whether R lived premaritally with his first wife

PREMARW1 is blank (inapplicable) if R has never been married to a woman (recode FMARITAL=5).

Otherwise, for all Rs who have ever been married to a woman (FMARITAL NE 5):

If R has never cohabited with a woman at all (recode COHEVER=2) then PREMARW1=2 (no).

Else if recode MARDAT01 is drawn from Blaise-computed **cmcurmar**, then check CA-4

LIVTOGSP if R is married to a woman (Blaise-computed variable rmarit = 1):

If LIVTOGSP=1 then PREMARW1=1.
Else if LIVTOGSP=5 then PREMARW1=2.

Else if recode MARDAT01 is drawn from Blaise-computed **cmmarp[x]** (cmmarp_1, cmmarp_2, cmmarp_3) in Section D, then check DA-3 LIVTOGN corresponding to that former wife (LIVTOGN_1, LIVTOGN_2, LIVTOGN_3) as shown further below.

Else if recode MARDAT01 is drawn from Blaise-computed **cmmarw**1 in Section E, then check EB-4 LIVTOGN_W1 corresponding to that former wife as shown below.

Using whichever LIVTOGN[x] variable is appropriate from Section D or E:
If LIVTOGN=1 then PREMARW1=1.
Else if LIVTOGN=5 then PREMARW1=2.

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 = Yes (R lived premaritally with his first wife)
2 = No (R did not live premaritally with his first wife)

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

COHAB1 is blank (inapplicable) if R has never cohabited with a woman outside of marriage (recode COHEVER=2).

Otherwise,

For all cases with COHEVER=1:

If R has <u>never</u> been married to a woman (recode FMARITAL = 5) , set COHAB1 equal to the earliest non-missing value among the following Blaise-computed century month variables:

cmcohfc	CM date when R began living with 1st female former cohabiting partner, (defined in Flow Check E-8)
cmcohp[x]	3 CM date variables indicating when R began living with a female cohabiting partner, who was among his 3 most recent sexual partners (defined in Flow Check D-7)
cmcurcoh	If recode RMARITAL = 2: CM date when R began living with his current female cohabiting partner (defined in Flow Check C-3)

If R has <u>ever</u> been married to a woman (recode FMARITAL NE 5), set COHAB1 equal to the earliest non-missing values among the up to 5 Blaise-computed century month variables listed

above, along with **cmcohw1**:

cmcohw1 CM date variable indicating when R began living premaritally with his first former wife, who was not among his 3 most recent sexual partners; this former wife is covered in Section E, and this cm variable is defined in Flow Check E-8.

Note: COHAB1 was initially defined 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 Notes: --COHAB1 cannot equal cmcurcoh if R is currently cohabiting (RMARITAL= 2) and Blaise-computed variable **numcohab** > 1. If this occurred, COHAB1 was imputed to a value earlier than cmcurcoh.*
-- Imputed values of COHAB1 cannot be earlier than VRY1STSX.
-- COHAB1 was imputed if there were DK/RF values on cmcohfc, cmcohw1, any of the cmcohp[x]variables that must be checked for the case, or cmcurcoh if no other applicable cohabitation dates.

Code categories for COHAB1 (public-use variable):

Blank = Inapplicable
xxxx - 2023 = Year of first cohabitation to a woman

Code categories for INCOHAB1 (restricted-use variable):

Blank = Inapplicable
xxxx-1488 = CM date when R began 1st cohabitation to a woman

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

COHSTAT = 1 if R has never cohabited with a woman (recode COHEVER = 2).

Else
COHSTAT = 2 -- if R has never been married to a woman (recode FMARITAL = 5) but has cohabited with a woman (COHEVER =1); or
-- if R has ever been married to a woman (FMARITAL NE 5) and has cohabited with a woman (COHEVER =1) and date of first cohabitation (recode COHAB1) is earlier than or same as the date of first marriage (recode MARDAT01).
-- if R's only cohabitation has been with a wife (numcohab=. , 0) and he has only been married once (FMARNO=1) and said he lived with that wife before marriage (LIVTOGSP=1) even if date of cohabitation or marriage are DK/RF

Else
COHSTAT = 3 if R has ever been married to a woman (FMARITAL NE 5) and has

cohabited with a woman (COHEVER =1) and date of first cohabitation is greater than date of first marriage (COHAB1 GT MARDAT01).

SAS logic:

If COHEVER = 2 then COHSTAT = 1;
Else if (FMARITAL=5 and COHEVER=1) or (FMARITAL NE 5 and COHEVER=1 and COHAB1 LE MARDAT01) then COHSTAT = 2;
Else if (FMARITAL NE 5 and COHEVER=1 and COHAB1 > MARDAT01) then COHSTAT = 3;
Else if FMARNO=1 and numcohab in (.,0) and FMARITAL=1 and LIVTOGSP=1 then COHSTAT=2;

Imputation Note: *Computed based on imputed values of source recodes.*

Code categories:

1 = never cohabited with a woman outside of marriage
2 = first cohabited with a woman before marriage to 1st wife (including never married)
3 = first cohabited with a woman after marriage to 1st wife

COHOUT: Outcome of first (if premarital) cohabitation with a woman

COHOUT is blank (inapplicable) if R has never cohabited with a woman outside of marriage or if his first cohabitation with a woman occurred after marriage to his first wife. (recode COHSTAT=1 or 3).

Otherwise, if COHSTAT=2 (R's first cohabitation with a woman occurred before his first marriage to a woman, or he was never married to a woman):

COHOUT = 1 if R is currently cohabiting with a woman (RMARITAL=2) and his first cohabitation is intact (recode COHAB1 was drawn from cmcurcoh). *(in this case, Blaise-computed variable cmcurcoh indicates start of cohabitation with current female partner, as defined in Flow Check C-3.)*

Else
COHOUT = 2 if

- R is currently married to his first female cohabitation partner (FMARITAL=1 and the date of his first cohabitation COHAB1 was drawn from cmcurcoh). *(in this case, Blaise-computed variable cmcurcoh indicates start of cohabitation with current wife, as defined in Flow Check C-3.)*
- R's only cohabitation has been with a wife (numcohab=.,0) and he has only been married once (FMARNO=1) and said he lived with that wife before marriage (LIVTOGSP=1), even if date of cohabitation is DK/RF

Else
COHOUT = 3 if the outcome of R's first cohabitation to a woman is a marriage that dissolved

- COHAB1 came from cmcohp[x] (1 of up to 3 recent sexual partners described in Section D) and R was ever married to this woman (check for a value of 1 on the corresponding P[x]RLTN1 variable -- BD-2 P1RLTN1 or BD-10 P2RLTN1 or BD-18 P3RLTN1), OR
  COHAB1 came from cmcohw1

Else
COHOUT = 4 if the outcome of R's first cohabitation to a woman is dissolution without marriage

- COHAB1 came from cmcohfc and fcver=1 (R was never married to her; defined in Flow Check E-5) and R is not currently living with this woman (Blaise-computed variable **cmstopfc** contains a non-sysmis value; defined in Flow Check E-14), OR
- COHAB1 came from cmcohp[x] and R was never married to this woman (check for a value not equal to 1 on the corresponding P[x]RLTN1 variable -- BD-2 P1RLTN1 or BD-10 P2RLTN1 or BD-18 P3RLTN1) and R is not currently living with this woman (Blaise-computed variable **cmstopp[x]** for this partner contains a non-sysmis value; defined in Flow Check D-13).
- R was never married and is not currently cohabiting (RMARITAL=6)

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 woman
2 = Intact marriage to a woman
3 = Dissolved marriage to a woman
4 = Dissolved cohabitation with a woman

COH1DUR : Duration (in months) of R's first cohabitation (if premarital) with a woman

COH1DUR is blank (inapplicable) if R has never cohabited with a woman outside of marriage to a woman or if his first cohabitation with a woman occurred after his first marriage to a woman (recode COHSTAT=1 or 3).

Otherwise,

if COHSTAT=2 (R's first cohabitation to a woman occurred before his first marriage to a woman, or he was never married to a woman):

COH1DUR = number of months between recode COHAB1 and appropriate end date from below:
-- Blaise-computed **cmintvw** if 1st cohabitation to a woman is intact (recode COHOUT=1)
or
-- recode MARDAT01 if 1st cohabitation to a woman resulted in marriage, whether intact or

dissolved marriage (COHOUT=2 or 3) or
-- corresponding end date of 1st cohabitation to a woman (Blaise-computed **cmstopfc, cmstopp_1, cmstopp_2, cmstopp_3**) if 1st cohabitation was before 1st marriage to a woman and dissolved (COHOUT=4)

Notes: COH1DUR was initially defined based on original CM dates of the applicable events, and then redefined as a categorical variable for inclusion on the public-use file for NSFG2022-2023. INCOH1DUR, available in the NCHS Research Data Center, shows the exact number of months as originally defined.

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

Imputation Note: Computed based on imputed values of source recodes COHSTAT, COHOUT, COHAB1, MARDAT01, however imputation may be needed if DK/RF values on end date of cohabitation

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

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
00	= 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 (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, COHEVER, COHSTAT, and COHAB1, plus cmintvw indicating CM date of interview.

If R has never been married to a woman (FMARITAL = 5) and never cohabited with a woman outside of marriage (COHEVER=2), 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 (COHEVER=2),

Or if R has ever been married (FMARITAL NE 5), has ever cohabited outside of marriage (COHEVER=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 (COHEVER=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 (COHEVER=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 cohever=2 then sexunion=cmintvw-vry1stsx;
Else if fmarital NE 5 and (cohever=2 or cohstat=3) then sexunion=sexmar;
Else if (fmarital=5 and cohever=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 union

Code categories for INSEXUNION (restricted-use variable):

Blank	= Inapplicable

000 = First intercourse in same month as marriage or cohabitation
1-nnn = 1 to nnn months after first intercourse
996 = First intercourse after first marriage or cohabitation

Section F Recodes:
Biological Children, Adoption, and Other pregnancies

CSPBIOKD: Number of Biological Children R Has Fathered with His Current Wife or Female Cohabiting Partner

CSPBIOKD is blank (inapplicable) if R is not currently married or cohabiting with a female partner (recode RMARITAL NE 1 or 2).

This recode indicates the number of biological children the married or cohabiting male respondent has ever fathered with his current wife or partner, regardless of these children's current ages or living arrangements. CSPBIOKD has been modified based on revisions to the questionnaire made for 2022-2023, and is no longer drawn from a single questionnaire item, as in prior NSFG years. The Blaise-computed variable **cwpkids** (defined in Flow Check F-15) indicates whether R has fathered *any* biological children with his current wife or cohabiting partner. Other questions in the FA series allow for determining the number of these biological children.

SAS logic:

If RMARITAL in (3,4,5,6) then CSPBIOKD = .;

Else if RMARITAL in (1,2) then do;
If CWPKIDS=0 then CSPBIOKD=0;
Else if CWPKIDS=1 and FA-3 ONEMOM=1 (yes) then CSPBIOKD= FA-2 NUMBIOKID;
Else if CWPKIDS=1 and FA-3 ONEMOM=missing and MOMWHO=1 then CSPBIOKD=FA-2 NUMBIOKID;
Else if CWPKIDS=1 and FA-3 ONEMOM NE 1 then CSPBIOKD= (the count of FA-6 BCMOMWHO[x]=1;
end;

Imputation Note: Imputation needed if FA-2 NUMBIOKID = DK/RF or FA-3 ONEMOM=DK/RF or if FA-6 BCMOMWHO[x] is reported as DK/RF for any of R's biological children.

Code categories:
Blank = Inapplicable
0-nn = Number of biological children R has fathered with his current wife or cohabiting partner

DATBABY1: CM date (or Year) when R had his first biological child

DATBABY1 is blank (inapplicable) if R has never had a biological child (FA-1 EVBIOKID NE 1).

Otherwise, for all Rs who have reported 1 or more biological children (FA-2 NUMBIOKD GE 1):
DATBABY is drawn from the earliest non-sysmis century-month date of birth of all R's biological children, based on the cmchdob[x] array of variables defined in Flow Check F-5.
If FA-1 EVBIOKID NE 1 then DATBABY1=.;
Else if FA-1 EVBIOKID=1 and FA-2 NUMBIOKID in (98,99) then DATBABY1=.;
Else if FA-2 NUMBIOKID GE 1 and the earliest cmchdob[x] not in (9997,9998,9999) then DATBABY1 = earliest cmchdob[x];

Note: DATBABY1 was initially defined as the CM date when R had his first biological child, but for inclusion of the 2015-2017, 2017-2019 and 2022-2023 public-use files, the CM date was converted to year of first biological child's birth. The original CM date variable is restricted-use, available only through the NCHS Research Data Center.

Imputation Note: Imputed if earliest cmchdob[x] = 9997, 9998, or 9999.

Code categories for DATBABY1 (public-use variable):
Blank = Inapplicable
1972-2023 = Year of 1st biological child's birth

Code categories for INDATBABY1 (restricted-use variable):
Blank = Inapplicable
xxxx –1488= CM date of 1st biological child's birth

AGEBABY1: Age when R had his first biological child**

AGEBABY1 is blank (inapplicable) if R has never had a biological child (recode DATBABY1 = blank/inapp).

Otherwise,
AGEBABY1 is defined based on final imputed value of recode DATBABY1 and R's CM date of birth (cmbirth):

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

Code categories:
Blank = inapplicable
xx – 49 = R's age in years when his 1st biological child was born

B1PREMAR: Whether R's first biological child was born before R's first marriage**

to a woman

B1PREMAR is blank (inapplicable) if R has never had a biological child (recode DATBABY1 = blank/inapp).

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 woman (FMARITAL = 5) or his first biological child was born before his first marriage to a woman (DATBABY1 < MARDAT01) then B1PREMAR = 1 (yes).

SAS logic:

```
If datbaby1=. 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 biological child born before 1st marriage)
2 = No (1st biological child born in same month as or later than 1st marriage)

MARBABY1 : Marital or cohabiting status at time of first biological child's birth

MARBABY1 is blank (inapplicable) if R has never had a biological child (FA-1 EVBIOKID NE 1) or FA-2 NUMBIOKD EQ DK/RF (98,99).

Using the value of *FA-10 BCMARLIV[x]* corresponding to R's **first** biological child to define MARBABY1 as follows:

If EVBIOKID NE 1 or NUMBIOKD eq DK/RF (98,99) then MARBABY1=.;
Else if EVBIOKID=1 and *FA-10 BCMARLIV[x] for R's first (oldest) biological child NE DK/RF/sysmis/not ascertained* then do;

```
if FA-10 BCMARLIV[x] =1 then MARBABY1=1;
else if FA-10 BCMARLIV[x] =2 then MARBABY1=2;
else if FA-10 BCMARLIV[x] =3 then MARBABY1=3;
end;
```

ELSE IF EVBIOKID=1 and *FA-10 BCMARLIV[x] for R's first (oldest) biological child EQ DK/RF then* do;

```
IF FMARITAL=5 AND COHEVER=2 THEN MARBABY1=3;
END;
```

Note: This recode is roughly equivalent to female recode RMAROUT3 corresponding to R's

first live birth.

Imputation Note: Imputed if FA-10 BCMARLIV[X] for the first birth = DK or RF or not ascertained.

Code categories:

1 = Yes, married to child's mother at time of first child's birth
2 = No, not married to but living with child's mother at time of first child's birth
3 = Neither married nor living together with first child's mother

WANTB1: Wantedness of first birth if within the past 5 years

WANTB1 is blank (inapplicable) if:
-- R's first biological child was born more than 5 years (60 months) before the interview (DATBABY1 LT cmintvw-60)
Or
-- R did not report how many biological children he has fathered (FA-2 NUMBIOKID = DK/RF or sysmis)
Or
-- R responded "don't know" or "refused" to whether he was living with this child's mother at the time of the birth (FA-10 BCMARLIV_nn = DK/RF)
Or
-- R responded "don't know" or "refused" to whether he knew about the pregnancy before this child was born (FA-11 BCLRNPRG_nn= DK/RF)
Or

Otherwise, if R's first child was born in the 5 years before the interview (DATBABY1 GE cmintvw-60), WANTB1 is defined using the appropriate variables corresponding to this child as shown further below:

if **FA-17 BCWANT_01** =3 or 4 then	WANTB1=5 (unwanted)
else if **FA-17 BCWANT_01**=9 then	WANTB1=6 (don't know)
else if **FA-18 BCTIMING_01=**1 then	WANTB1=3 (too soon)
else if **FA-18 BCTIMING_01** =2 then	WANTB1=2 (right time)
else if **FA-18 BCTIMING_01** =3 then	WANTB1=1 (later)
else if **FA-18 BCTIMING_01** =4 then	WANTB1=4 (didn't care)
else if **FA-11 BCLRNPRG_01** =2 then	WANTB1=7 (didn't know about the pregnancy)

Notes:
This recode is based on a wantedness classification comparable to that for females.
The differences are:

- *this includes a category for births from pregnancies that the father did not know about before the birth (wantedness was not asked in those cases)*
- *it is not based on contraceptive status or questions ascertaining reasons for using/not using contraceptives before the pregnancy*
- *it is based on a single item for ascertaining wanted/unwanted (ex:FA-17 BCWANT), rather than a series of questions. The question ascertaining timing of the pregnancy (FA-18 BCTIMING) is identical for males and females.*

This recode has been defined for the first birth (within the past 5 years) reported by male respondents, which corresponds to the birth referenced by recodes DATBABY1, AGEBABY1, and MARBABY1. Previous NSFG file releases defined this wantedness recode for all births/children age 18 or younger, but due to added complexity related to some births being reported out of chronological order, these recodes focus on men's first biological child, if that child was born within the past 5 years.

Imputation notes:
- Imputation needed for cases qualifying for the recode based on date of birth, who have sysmis values on the applicable BCMARLIV_nn and BCLRNPRG_nn variables.
- Due to a routing error in Year 1, quarters 1,2,3, and part of quarter 4, cases with FA-17 BCWANT =1 or 2 were not asked FA-18 BCTIMING, thus are imputed on WANTB1 if the 1st child was born within the past 5 years.
- If case to be imputed has FA-17 BCWANT_nn = 1 or 2, (definitely or probably wanted), imputed value was constrained to 1, 2, 3, or 4. (Could not be 5, 6, or 7, which are only possible when FA-17 BCWANT_nn NE 1 or 2).
- If case to be imputed has FA-10 BCMARLIV_nn=1, imputed value could NOT equal 7.

Code categories:

Blank = inapplicable
1 = Later, overdue
2 = Right time
3 = Too soon, mistimed
4 = Didn't care, indifferent
5 = Unwanted
6 = Don't know, not sure
7 = R did not know about the pregnancy leading to the birth

COMPREG : Number of completed pregnancies R has fathered

COMPREG = 0 if R has never has sexual intercourse with a female (recode HADSEX=2)

Else, if R has ever had sexual intercourse with a female (HADSEX=1), then do:

If [(FC-3 OTPRGN = blank or a valid value) or (FA-2 NUMBIOKID GE 1 and NUMBIOKID LT 97) and totpregs_con > 0 (but < 997), then base COMPREG on computed variable **totpregs_con if pregsnow LE TOTPREGS_CON** (subtracting out any current pregnancies, based on Blaise-computed variable **pregsnow** defined in Flow Check F-22):

COMPREG = **totpregs_con** – **pregsnow**

Else if (FC-3 OTPRGN NE DK/RF and (NUMBIOKID=sysmis or 98 or 99)) then compute COMPREG based on otpregs & pregsnow:

COMPREG = otpregs + pregsnow

Else if (FC-3 OTPRGN NE DK/RF and (NUMBIOKID GE 1 and NUMBIOKID LT 97)) then compute COMPREG based on otpregs & pregsnow:

COMPREG = otpregs + pregsnow

Else if (FC-3 OTPRGN=DK/RF or (EVBIOKID NE 1) and FC-8 TOTPREGS_CON=DK/RF, then COMPREG is imputed.

Note: The original COMPREG recode, as defined above, was top-coded for public use at 10 to represent "10 or more completed pregnancies R has fathered." The full-detail variable called INCOMPREG is available through the NCHS Research Data Center.

Code categories for COMPREG:
0-9 = Number of completed pregnancies that R has fathered
10 = 10 or more completed pregnancies that R has fathered

Code categories for INCOMPREG:
0-nn = Number of completed pregnancies that R has fathered

Section G Recodes: Fathering

DADTYPE: Type of children aged 18 or younger that R has

crall = Blaise-computed variable (defined in Flow Check G-0) indicating total number of "eligible" coresidential children aged 18 or younger. *("eligible" coresidential children can be R's biological or adopted children, or they can be "other" children in the household - specifically, step-children or partner's children.)*

ncall = Blaise-computed variable (defined in Flow Check G-1) indicating number of R's biological children aged 18 or younger who live elsewhere.

DADTYPE =1 if:
R has "eligible coresidential children" 18 or younger, but no noncoresidential biological children 18 or younger (crall >= 1 and ncall = 0).

DADTYPE =2 if:
R has noncoresidential biological children 18 or younger, but no "eligible coresidential children" 18 or younger (crall = 0 and ncall >= 1)

DADTYPE =3 if:
R has both "eligible coresidential children" 18 or younger and noncoresidential biological children 18 or younger (crall >= 1 and ncall >= 1).

DADTYPE =4 if:
R has no coresidential or noncoresidential children 18 or younger (crall = 0 and ncall = 0)

Note: DADTYPE = 4 includes men who have no biological or adopted children at all, but these men can be separated out using FA-1 **EVBIOKID or** *Blaise-computed variable anykids .)*

Code categories:

1 = R has only coresidential children
2 = R has only noncoresidential children
3 = R has both coresidential and noncoresidential children
4 = R has no children aged 18 or younger, has no children at all, or has not had sexual intercourse

Section H Recodes: Desire and Intentions for Future Children

INTENT: Intentions for additional births

Note: For Rs with a currently pregnant wife/partner, INTENT refers to intentions after the current pregnancy. Men who were currently married to or cohabiting with a woman were asked joint intention questions; all others were asked about their individual intentions.

*(Blaise-computed variables **rstrstat** (created in Flow Check B-7) and **pstrstat** (created in Flow Check C-13) 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 he nor his wife/partner is sterile (rstrstat=0 and pstrstat=0), and he and his wife/partner intend to have a(nother) baby (HB-2 JINTEND = 1); or

-- R is unmarried and not cohabiting (rmarit NE 1 or 2), he is not sterile (rstrtstat=0), and he intends to have a(nother) baby (HC-2 INTEND = 1 or 2).

INTENT=2 ("does not intend to have (more) children") if:

-- R is currently married or cohabiting and he or his current wife/partner is sterile (rstrstat= 1 or 2 or pstrstat= 1 or 2); 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 (HB-2 JINTEND = 5); or

-- R is unmarried and not cohabiting (rmarit NE 1 or 2), he is not sterile (rstrstat=0), and he does not intend to have a(nother) baby (HC-2 INTEND = 3 or 4).

-- R is unmarried and not cohabiting (rmarit NE 1 or 2), he is sterile (rstrstat=1 or 2), and missing intend (HC-2 INTEND = .).

-- R is unmarried and not cohabiting (rmarit NE 1 or 2), he is not sterile (rstrstat=0), missing intend (HC-2 INTEND = .) and does not want any children (HA-2 RWANT=5 or 8) .

INTENT=3 ("does not know his intent") if:

-- R is currently married or cohabiting (rmarit=1 or 2) and HB-2 JINTEND = DK); or

-- R is unmarried and not cohabiting (rmarit NE 1 or 2) and HC-2 INTEND = DK).

INTENT=4 ("did not provide his intent") if:
-- R is currently married or cohabiting (rmarit=1 or 2) and HB-2 JINTEND = RF or "not ascertained"; or
-- R is unmarried and not cohabiting (rmarit NE 1 or 2) and HC-2 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 his intent
4	=	R did not provide his intent

ADDEXP: Central number of additional births expected

Note: Currently married or cohabiting men were asked about their joint expectations; all others were asked about their individual expectations.

*(Blaise-computed variables **rstrstat** (created in Flow Check B-7) and **pstrstat** (created in Flow Check C-13) indicate surgical or nonsurgical sterility at time of interview.)*

If R or his current wife 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 his wife/partner do not intend to have a(nother) baby (HB-2 JINTEND = 5), then ADDEXP=0;

Else if HB-2 JINTEND = DK, RF, or "not ascertained" and his largest expected is zero (HB-5 JEXPECTL = 0), then ADDEXP=0;

Else if R and his wife/partner intend to have a(nother) baby (HB-2 JINTEND = 1), and he gives an intended number (0 <= HB-4 JINTENDN < 96), then ADDEXP=10*JINTENDN;

Else if HB-2 JINTEND = DK, RF, or "not ascertained" but he did give a largest and smallest number expected (0 <= HB-5 JEXPECTL < 96 and 0 <= HB-6 JEXPECTS < 96), then ADDEXP=10* ((JEXPECTL + JEXPECTS)/2);

Else if HB-2 JINTEND = DK, RF, or "not ascertained" and he gave a largest number expected but smallest number is unknown (0 <= HB-5 JEXPECTL < 96 and HB-6 JEXPECTS = DK, RF, or "not ascertained"), then ADDEXP=10* ((JEXPECTL + 0)/2);

Else if HB-2 JINTEND =1 and JINTENDN= DK, RF, or "not ascertained" but he did give a largest and smallest number expected (0 <= HB-5 JEXPECTL < 96 and 0 <= HB-6 JEXPECTS

< 96), then ADDEXP=10* ((JEXPECTL + JEXPECTS)/2);

Else if HB-2 JINTEND =1 and JINTENDN= DK, RF, or "not ascertained" and he gave a largest number expected but smallest number is unknown (0 <= HB-5 JEXPECTL < 96 and HB-6 JEXPECTS = DK, RF, or "not ascertained"), then ADDEXP=10* ((JEXPECTL+0)/2);

Else if R is not currently married or cohabiting [(rmarit NE 1 or 2)] and he is not sterile (rstrstat=0), then do:

If R does not intend to have a(nother) baby (HC-2 INTEND = 3 or 4), then ADDEXP=0;

Else if HC-2 INTEND = DK, RF, or "not ascertained" and his largest expected is zero (HC-4 EXPECTL = 0), then ADDEXP=0;

Else if R intends to have a(nother) baby (HC-2 INTEND = 1 or 2), and he gives an intended number (0 <= HC-3 INTENDN < 96), then ADDEXP=10*INTENDN;

Else if HC-2 INTEND = DK, RF, or "not ascertained" but he did give a largest and smallest number expected (0 <= HC-4 EXPECTL < 96 and 0 <= HC-5 EXPECTS < 96), then ADDEXP =10 * ((EXPECTL + EXPECTS)/2).

Else if HC-2 INTEND = DK, RF, or "not ascertained" and he gave a largest number expected but smallest number is unknown (0 < HC-4 EXPECTL < 96 and HC-5 EXPECTS = DK), then ADDEXP=10*((EXPECTL + 0)/2).

Else if HC-2 INTEND = 1 or 2 and INTENDN=DK, RF, or "not ascertained" but he did give a largest and smallest number expected (0 <= HC-4 EXPECTL < 96 and 0 <= HC-5 EXPECTS < 96), then ADDEXP =10 * ((EXPECTL + EXPECTS)/2).

Else if HC-2 INTEND =1 or 2 and INTENDN= DK, RF, or "not ascertained" and he gave a largest number expected but smallest number is unknown (0 <= HC-4 EXPECTL < 96 and HC-5 EXPECTS = DK), then ADDEXP=10*((EXPECTL + 0)/2).

Else if HC-2 INTEND =1 or 2 and INTENDN= DK, RF, or "not ascertained" and he gave a smallest number expected but largest number is unknown (0 <= HC-5 EXPECTS < 96 and HC-4 EXPECTL = DK), then ADDEXP=10*((EXPECTS + 0)/2).

Else if R is not currently married or cohabiting [(rmarit NE 1 or 2)] and he is sterile (rstrstat=1 or 2), then ADDEXP=0;

Else if HC-2 INTEND= . (not ascertained) and RWANT NE 1 then ADDEXP=0;

After all of the above statements have been executed, an additional pregnancy is added to ADDEXP for all Rs with a currently pregnant wife/partner:
If R's wife/partner is currently pregnant (currpreg = 1), then ADDEXP=ADDEXP+10

Code categories:

000 = No additional births expected

005 =.5 additional births
010 = 1 additional birth
015 = 1.5 additional births
020 = 2 additional births
...etc. through...
100-995 = 10 or more additional births

Section I Recodes:
Health Conditions and Health Services

CURR_INS: Current health insurance coverage status

User 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-4 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 4 types of coverage (COVERHOW01, COVERHOW02, COVERHOW03, COVERHOW04).

If R was currently covered by insurance (IA-3 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-4 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-4 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-4 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-4 COVERHOWnn = 6 or 8)

Else, if R was not currently covered by insurance (IA-3 CURRCOV = 5), then:
CURR_INS = 4 Not currently covered by insurance

Imputation Note: Imputed if CURRCOV or COVERHOWnn is DK/RF.

Note: The original 10 categories for the raw variables COVERHOWnn used to define

CURR_INS 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

EVHIVTST: Ever had an HIV test

EVHIVTST = 0 if:	R has never donated blood, nor does he report ever having an HIV test. (IF-1 DONBLOOD = 5 (no) and IF-2 HIVTEST = 5 (no))
else EVHIVTST = 1 if:	R has only had his blood tested for HIV in the context of a blood donation. (IF-1 DONBLOOD = 1 (yes) and IF-2 HIVTEST = 5 (no))
else EVHIVTST = 2 if:	R has never donated blood, but he reports an HIV test elsewhere. (IF-1 DONBLOOD =5 (no) and IF-2 HIVTEST =1 (yes))
else EVHIVTST = 3 if:	R reported both blood donation and HIV testing outside of blood donation. (IF-1 DONBLOOD =1(yes) and IF-2 HIVTEST =1(yes))

Imputation Note: *Missing data may result in undefined values 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

Section J Recodes: Residence; Religion; Work Status

RELIGION: Current religious affiliation

RELIGION reflects the respondent's current religious affiliation, based on information obtained in JB-4 RELNOW and JB-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 "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 his activity status (JC-4 DOLASTWKn) and whether he was working full or part-time (JC-5 RFTPTX).

Assign code to LABORFOR from JC-4 DOLASTWK1 through JC-4 DOLASTWK6, taking the code highest in the ranking shown below.

LABORFOR=1 If (JC-4 DOLASTWK1 – DOLASTWK6 = 1) and JC-5 RFTPTX = 2
(R was working full-time last week)
Else
LABORFOR=2 If (JC-4 DOLASTWK1 – DOLASTWK6 = 1) and JC-5 RFTPTX = 1
(R was working part-time last week)
Else
LABORFOR=3 If JC-4 DOLASTWK1 – DOLASTWK6 = 2
(R was temporarily not at work but still employed)
Else
LABORFOR=4 If JC-4 DOLASTWK1 – DOLASTWK6 = 3
(R was not working but looking for work)
Else

LABORFOR=5 If JC-4 DOLASTWK1 – DOLASTWK6 = 4
(R was going to school, taking classes, or on school vacation)
Else
LABORFOR=6 If JC-4 DOLASTWK1 – DOLASTWK6 = 5
(R was taking care of house or family)
Else
LABORFOR=7 If JC-4 DOLASTWK1 – DOLASTWK6 = 6
(R responded "something else")

Else if JC-4 DOLASTWK1 in (98 99) then LABORFOR is imputed.

Imputation note: Needed if JC-4 DOLASTWK1=DK/RF or if JC-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 K 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 (KL-3 TOTINC).

This variable is an imputed version of KL-3 TOTINC and is created for the purposes of creating/imputing POVERTY.

Imputation Note: If missing, the "DK follow-up" questions (KL-3a FMINCDK1, KL-3bFMINCDK2, KL-3c FMINCDK3, KL-3d FMINCDK4, and KL-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 (TOTINCR) 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 (KL-3a FMINCDK1, KL-3b FMINCDK2, KL-3c FMINCDK3, KL-3d FMINCDK4, and KL-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