

National Health and Nutrition Examination Survey

2015-2016 Data Documentation, Codebook, and Frequencies

Sexual Behavior (SXQ_I)

Data File: SXQ_I.xpt

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Component Description

The Mobile Examination Center (MEC) Interview section on sexual behavior (variable name prefix SXQ) provides information on lifetime and current sexual behavior for both men and women. Major items in this section include age at first sexual intercourse, number of sexual partners, circumcision status (men), and history of sexually transmitted diseases. The sexual orientation question was slightly modified in this cycle.

Eligible Sample

Survey participants aged 14-69 years were eligible. Several questions in this section are age-specific, and many are gender-specific. Mentally impaired individuals or participants who were unable to understand English, Spanish, Korean, Vietnamese, or Chinese (traditional/Mandarin, simplified/Mandarin, and traditional/Cantonese) were not asked these questions. Only data from participants aged 18-69 years are included in this release. Special use data files for participants 14-17 years are available through the NCHS Research Data Center.

Interview Setting and Mode of Administration

The sexual behavior questions were self-administered in a private room at the MEC, during the MEC Interview, using the Audio Computer-Assisted Self Interview (ACASI) system. The ACASI was conducted in one of the following languages: English, Spanish, Korean, Vietnamese, or Chinese (traditional/Mandarin, simplified/Mandarin, and traditional/Cantonese). The ACASI enables respondents to hear questions through earphones as well as read questions on the computer screen. Respondents move at their own speed and touch the screen to indicate their response. No proxy respondents or translators were used in situations when the respondents could not self-report. The questionnaire is located on the NHANES website at: https://wwwn.cdc.gov/nchs/data/nhanes/2015-2016/questionnaires/sxq_acasi_i.pdf.

Quality Assurance & Quality Control

For details on the QA/QC process for this component, please refer to the MEC Interview Manual on the NHANES website.

Data Processing and Editing

The sexual behavior questionnaire in 2015-2016 is similar to cycles 2013-2014, 2011-2012 and 2009-2010. However, analysts should be cautious when combining data with cycles prior to the NHANES 2009-2010 SXQ data, since some questions have been removed or added, and some questions have had slight wording changes. Please see the Analytic Notes below as well as Appendix 1 (for male) and Appendix 2 (for female) for detailed information on variables included in the SXQ section since 2003-2004.

The variable SXD021 (Ever had vaginal, anal, or oral sex) was derived from whether or not the respondent reported having any of the specific types of sex. For example, if a male answered

"yes" to having had any of the following types of sex: SXQ800 (Ever had vaginal sex with a woman), SXQ803 (Ever performed oral sex on a woman), SXQ806 (Ever had anal sex with a woman), or SXQ809 (Ever had any sex with a man; anal, oral); he would be coded as a "1" or "yes" in SXD021. In 2015-16, 9 sample persons were assigned a missing value for SXD021 (SEQN=85190, 86400, 87777, 87947, 88537, 88657, 89444, 92055, 93654). These persons responded "don't know" or "refused" to at least one of the questions that were part of the algorithm for deriving SXD021, and had "no" responses for the other questions in the algorithm. Analysts should be aware that any response to other questions in this data set have been retained for these persons.

Responses to SXD031 (age at first sexual intercourse), SXD633 (age first performed oral sex on a woman), and SXD621 (age when first had oral sex) that were 9 years or less were grouped and coded as "12 years or younger." In previous SXQ data files, young ages were categorized as "9 years or younger."

Responses to questions about number of sexual partners (SXD171, SXQ824, SXQ827, SXQ636, SXQ410, SXQ836, SXQ624, SXD101, and SXQ724) that were 100 or greater were categorized as "100 or more." In previous SXQ data set releases, high numbers of partners were categorized as "1000 or more" or "2000 or more."

Information was collected using two-part (number and unit) questions for both SXD630 (last performed oral sex on a new male partner) and SXD642 (last performed oral sex on a new female partner). This is to allow participants to report how long ago they had performed oral sex either in days, weeks, months, or years. The released variables were edited to standardize the reported length of time to number of days, using the following conversion factors: 7 days per week, 30.4 days per month, and 365.25 days per year.

In general, if a person wasn't asked a question, the response to the question is shown as "missing." It is up to the analysts to recode the response to zero as they see fit. For example, if a respondent reported that they had zero lifetime vaginal sex partners, they wouldn't be asked the number of vaginal sex partners in the past 12 months. Since the respondent does not receive the question about partners in the past 12 months, the data will be coded as missing for this variable. Analysts may want to recode this to "0."

For questions that ascertain total number of partners for all types of sex (i.e., SXD171, SXD510, SXD101 and SXD450), if the respondent had reported never having any type of sex, the responses were coded as "0."

Analytic Notes

Analysts should keep in mind that respondents aged 60-69 years get asked only some questions. It is important to refer to the codebook to see the target age for each question.

Although the ACASI has many advantages over interviewer-administered questionnaires for sensitive information, inconsistent responses can occur. Since the questions are self-administered, unlikely answers or confusing questions generally cannot be clarified by the interviewer. Although, the questionnaire was programmed to alert respondents of potential data entry errors or inconsistencies, not every possible consistency check was added. To minimize potential respondent frustration and confusion, the interview was not interrupted each time an inconsistent answer occurred in terms of the number of sexual partners for different periods of recall for different types of sexual behavior.

Beginning in 2015-2016, modifications on question wording and response categories were made to the sexual orientation question, specific to males and females, after extensive cognitive and field testing was conducted by NCHS (Dahlhamer et al.). The current question, is now the same as the sexual orientation question in the National Health Interview Survey (NHIS). The question reads, "Which of the following best represents how you think of yourself?" For males (SXQ296), the response options are "Gay," "Straight, that is not gay," "Bisexual," "Something else," "I don't know the answer." For females (SXQ295), the response options are "Lesbian or gay," "Straight, that is not lesbian or gay," "Bisexual," "Something else," "I don't know the answer." According to Dahlhamer et al., the NHANES question from 2013-2014 and before (SXQ292 – males ; SXQ294 – females), "Do you think of yourself as..." used explanatory text with the main response options (e.g., "homosexual or lesbian, that is sexually attracted only to women)," resulting in questions that intermixed sexual identity with sexual attraction. In 2015-2016, the "unsure" response category shown on the screen was replaced with the response option, "I don't know the answer." For all years, if participants do

not answer the question, and instead, press “next” to move forward, they get a screen asking them to indicate – “I really meant to answer”, “I don’t know the answer” and “I’d rather not answer.”

Analysis by subgroup characteristics should be conducted carefully. The sample size for the non-heterosexual subgroups is limited and may not meet the minimum sample size requirements for statistical reliability as noted in the NHANES analytic guidelines. Combining multiple years of data, which is often recommended to estimate rarer conditions within a subgroup, analysts will need to consider sample sizes, as well as the changes to the question and response categories made over the time period of analysis. Additionally, the high rate of not selecting a specific answer to the questions should be considered (Miller et al). That is, selecting: “don’t know,” “refused,” “not sure,” or “something else” as a response. Individuals select these answers for a variety of reasons that are well summarized in Table 2 of the NCHS report “Design, Development and Testing of the NHIS Sexual Identity Question.” For example, respondents from the LGBT community select “something else” when they use a different sexual identity label than those presented in the response options. However, those who aren’t part of the LGBT community select this answer because they are not familiar with what the response options mean. For other questions and answers on this topic, see: https://www.cdc.gov/nchs/nhis/sexual_orientation/faqs.htm.

Exam sample weights should be used for analyses. Please refer to the [NHANES Analytic Guidelines](#) and the on-line [NHANES Tutorial](#) for further details on the use of sample weights and other analytic issues.

References

- Dahlhamer JM, Galinsky AM, Joestl SS, Ward BW. Sexual orientation in the 2013 National Health Interview Survey: A quality assessment. *Vital Health Stat* 2(169) 2014. Available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_169.pdf
- Miller K, Ryan JM. Design, Development and Testing of the NHIS Sexual Identity Questionnaire Design Research Laboratory, Office of Research and Methodology, National Center for Health Statistics, October 2011. Available from: https://wwwn.cdc.gov/QBANK/report/Miller_NCHS_2011_NHIS%20Sexual%20Identity.pdf

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:	SEQN
SAS Label:	Respondent sequence number
English Text:	Respondent sequence number.
Target:	Both males and females 18 YEARS - 69 YEARS

SXD021 - Ever had vaginal, anal, or oral sex (B)**Variable Name:** SXD021**SAS Label:** Ever had vaginal, anal, or oral sex (B)**English Text:** Ever had vaginal, anal, or oral sex.**English Instructions:** Derived variable based on several questions.**Target:** Both males and females 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	3985	3985	
2	No	261	4246	
7	Refused	2	4248	
9	Don't know	0	4248	
.	Missing	595	4843	

SXQ800 - Ever had vaginal sex with a woman (M)

Variable Name: SXQ800

SAS Label: Ever had vaginal sex with a woman (M)

English Text: Have you ever had vaginal sex, also called sexual intercourse, with a woman? This means your penis in a woman's vagina.

English Instructions: INSTRUCTIONS TO SP: Please select...

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1863	1863	
2	No	198	2061	
7	Refused	2	2063	
9	Don't know	4	2067	
.	Missing	2776	4843	

SXQ803 - Ever performed oral sex on a woman (M)

Variable Name: SXQ803

SAS Label: Ever performed oral sex on a woman (M)

English Text: Have you ever performed oral sex on a woman? This means putting your mouth on a woman's vagina or genitals.

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1588	1588	
2	No	476	2064	
7	Refused	2	2066	
9	Don't know	0	2066	
.	Missing	2777	4843	

SXQ806 - Ever had anal sex with a woman (M)

Variable Name: SXQ806

SAS Label: Ever had anal sex with a woman (M)

English Text: Have you ever had anal sex with a woman? Anal sex means contact between your penis and a woman's anus or butt.

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	807	807	
2	No	1257	2064	
7	Refused	1	2065	
9	Don't know	1	2066	
.	Missing	2777	4843	

SXQ809 - Ever had any sex w/man: anal, oral (M)

Variable Name: SXQ809

SAS Label: Ever had any sex w/man: anal, oral (M)

English Text: Have you ever had any kind of sex with a man, including oral or anal?

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	112	112	
2	No	1952	2064	
7	Refused	0	2064	
9	Don't know	2	2066	
.	Missing	2777	4843	

SXD862 - CHECK ITEM

Variable Name: SXD862

English Instructions: BOX 1A CHECK ITEM SXD862: IF SXQ800, SXQ803, SXQ806, AND SXQ809 NOT EQUAL TO '1', GO TO BOX 8. OTHERWISE, SXD031.

Target: Males only 18 YEARS - 69 YEARS

SXQ700 - Ever had vaginal sex with a man (F)**Variable Name:** SXQ700**SAS Label:** Ever had vaginal sex with a man (F)**English Text:** Have you ever had vaginal sex, also called sexual intercourse, with a man? This means a man's penis in your vagina.**English Instructions:** INSTRUCTIONS TO SP: Please select . . .**Target:** Females only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	2041	2041	
2	No	142	2183	
7	Refused	4	2187	
9	Don't know	4	2191	
.	Missing	2652	4843	

SXQ703 - Ever performed oral sex on a man (F)

Variable Name: SXQ703

SAS Label: Ever performed oral sex on a man (F)

English Text: Have you ever performed oral sex on a man? This means putting your mouth on a man's penis or genitals.

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Females only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1592	1592	
2	No	589	2181	
7	Refused	9	2190	
9	Don't know	1	2191	
.	Missing	2652	4843	

SXQ706 - Ever had anal sex with a man (F)**Variable Name:** SXQ706**SAS Label:** Ever had anal sex with a man (F)**English Text:** Have you ever had anal sex? This means contact between a man's penis and your anus or butt.**English Instructions:** INSTRUCTIONS TO SP: Please select . . .**Target:** Females only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	716	716	
2	No	1466	2182	
7	Refused	8	2190	
9	Don't know	1	2191	
.	Missing	2652	4843	

SXQ709 - Ever had any kind of sex w/woman (F)

Variable Name: SXQ709

SAS Label: Ever had any kind of sex w/woman (F)

English Text: Have you ever had any kind of sex with a woman? By sex, we mean sexual contact with another woman's vagina or genitals.

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Females only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	202	202	
2	No	1985	2187	
7	Refused	3	2190	
9	Don't know	1	2191	
.	Missing	2652	4843	

SXQ762 - CHECK ITEM

Variable Name: SXQ762

English Instructions: BOX 1A CHECK ITEM SXQ762: IF SP 60-69 YEARS AND SXQ703 OR SXQ709 = 1 AND SXQ700 = 2 AND SXQ706 = 2, GO TO END OF SECTION. IF SXQ700, SXQ703, SXQ706, AND SXQ709 NOT EQUAL TO '1', GO TO BOX 11. OTHERWISE, CONTINUE.

Target: Females only 18 YEARS - 69 YEARS

SXD031 - How old when first had sex (B)

Variable Name: SXD031

SAS Label: How old when first had sex (B)

English Text: How old were you when you had sex for the first time?

English Instructions: ENTER AGE IN YEARS.

Target: Both males and females 18 YEARS - 69 YEARS

Hard Edits: 13 to 69

Code or Value	Value Description	Count	Cumulative	Skip to Item
13 to 68	Range of Values	3779	3779	
12	12 years or younger	204	3983	
77	Refused	5	3988	
99	Don't know	7	3995	
.	Missing	848	4843	

SXD801 - CHECK ITEM

Variable Name: SXD801

English Instructions: BOX 1 CHECK ITEM SXD801: IF SXQ800 = 1 OR SXQ803 = 1 OR SXQ806 = 1 THEN GO TO SXD171, IF SXQ700 = 1 OR SXQ703 = 1 OR SXQ706 = 1 THEN GO TO SXD101. OTHERWISE, IF MALE GO TO CHECKBOX SXQ833. OTHERWISE, IF FEMALE GO TO CHECKBOX SXD733

Target: Both males and females 18 YEARS - 69 YEARS

SXD171 - # female sex partners/lifetime (M)

Variable Name: SXD171

SAS Label: # female sex partners/lifetime (M)

English Text: In your lifetime, with how many women have you had any kind of sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number.

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 99	Range of Values	1998	1998	
100	100 or more	62	2060	
77777	Refused	1	2061	
99999	Don't know	4	2065	
.	Missing	2778	4843	

SXD815 - CHECK ITEM

Variable Name: SXD815

English Instructions: BOX 2 CHECK ITEM SXD815: IF SP 60-69 YEARS AND SXQ809 = 1, GO TO SXQ410. IF SP 60-69 YEARS AND SXQ809 NOT EQUAL TO 1, GO TO END OF SECTION. OTHERWISE, CONTINUE WITH SXD510.

Target: Males only 18 YEARS - 69 YEARS

SXD510 - # female sex partners/year (M)

Variable Name: SXD510

SAS Label: # female sex partners/year (M)

English Text: In the past 12 months, with how many women have you had any kind of sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 45	Range of Values	1655	1655	
77777	Refused	0	1655	
99999	Don't know	2	1657	
.	Missing	3186	4843	

SXQ821 - CHECK ITEM

Variable Name: SXQ821

English Instructions: BOX 3 CHECK ITEM SXQ821: IF SXQ800 = 1, GO TO SXQ824.
OTHERWISE, GO TO BOX 4.

Target: Males only 18 YEARS - 69 YEARS

SXQ824 - # female vaginal sex partners/life (M)

Variable Name: SXQ824

SAS Label: # female vaginal sex partners/life (M)

English Text: In your lifetime, with how many women have you had vaginal sex?
Vaginal sex means your penis in a woman's vagina.

English Instructions: INSTRUCTIONS TO SP: Please enter a number.

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 99	Range of Values	1435	1435	
100	100 or more	37	1472	
77777	Refused	1	1473	
99999	Don't know	10	1483	
.	Missing	3360	4843	

SXQ827 - # female vaginal sex partners/year (M)

Variable Name: SXQ827

SAS Label: # female vaginal sex partners/year (M)

English Text: In the past 12 months, with how many women have you had vaginal sex? Vaginal sex means your penis in a woman's vagina.

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 80	Range of Values	1479	1479	
100	100 or more	1	1480	
77777	Refused	2	1482	
99999	Don't know	1	1483	
.	Missing	3360	4843	

SXQ830 - CHECK ITEM

Variable Name: SXQ830

English Instructions: BOX 4 CHECK ITEM SXQ830: IF SXQ803 = 1, GO TO SXD633.
OTHERWISE, GO TO BOX 5.

Target: Males only 18 YEARS - 69 YEARS

SXD633 - Age first performed oral sex w/woman (B)

Variable Name: SXD633

SAS Label: Age first performed oral sex w/woman (B)

English Text: How old were you when you first performed oral sex on a woman?
Performing oral sex means your mouth on a woman's vagina or genitals.

English Instructions: ENTER AGE IN YEARS.

Target: Both males and females 18 YEARS - 59 YEARS

Hard Edits: 13 to 59

Code or Value	Value Description	Count	Cumulative	Skip to Item
13 to 50	Range of Values	1431	1431	
12	12 years or younger	22	1453	
77	Refused	1	1454	
99	Don't know	1	1455	
.	Missing	3388	4843	

SXQ636 - # female performed oral sex/lifetime (B)**Variable Name:** SXQ636**SAS Label:** # female performed oral sex/lifetime (B)**English Text:** In your lifetime, on how many women have you performed oral sex?**English Instructions:** INSTRUCTIONS TO SP: Please enter a number.**Target:** Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 85	Range of Values	1444	1444	
100	100 or more	8	1452	
77777	Refused	1	1453	
99999	Don't know	2	1455	
.	Missing	3388	4843	

SXQ639 - # female performed oral sex/year (B)

Variable Name: SXQ639

SAS Label: # female performed oral sex/year (B)

English Text: In the past 12 months, on how many women have you performed oral sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 23	Range of Values	1453	1453	
77777	Refused	1	1454	
99999	Don't know	1	1455	
.	Missing	3388	4843	

SXQ868 - CHECK ITEM

Variable Name: SXQ868

English Instructions: BOX 4B CHECK ITEM SXQ868: IF SP HAD ONLY 1 LIFETIME ORAL SEX PARTNER (CODED '1') IN SXQ636, GO TO BOX 5. OTHERWISE CONTINUE.

Target: Males only 18 YEARS - 69 YEARS

SXD642 - Performed oral sex new female/days (B)**Variable Name:** SXD642**SAS Label:** Performed oral sex new female/days (B)**English Text:** How long has it been since the last time you performed oral sex on a new female partner? A new sexual partner is someone that you had never had sex with before.**English Instructions:** ENTER NUMBER OF DAYS**Target:** Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 14610	Range of Values	1074	1074	
77777	Refused	3	1077	
99999	Don't know	10	1087	
.	Missing	3756	4843	

SXQ833 - CHECK ITEM

Variable Name: SXQ833

English Instructions: BOX 5 CHECK ITEM SXQ833: IF SXQ809 = 1, GO TO SXQ410.
OTHERWISE, GO TO BOX 9.

Target: Males only 18 YEARS - 69 YEARS

SXQ410 - # men anal/oral sex partners/lifetime(M)

Variable Name: SXQ410

SAS Label: # men anal/oral sex partners/lifetime(M)

English Text: In your lifetime, with how many men have you had anal or oral sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 75	Range of Values	100	100	
100	100 or more	12	112	
77777	Refused	0	112	
99999	Don't know	0	112	
.	Missing	4731	4843	

SXQ875 - CHECK ITEM

Variable Name: SXQ875

English Instructions: BOX 5B CHECK ITEM SXQ875: IF SP IS 60-69 YEARS, GO TO SXQ836. OTHERWISE, CONTINUE WITH SXQ550.

Target: Males only 18 YEARS - 69 YEARS

SXQ550 - # men anal/oral sex partners/year (M)

Variable Name: SXQ550

SAS Label: # men anal/oral sex partners/year (M)

English Text: In the past 12 months, with how many men have you had anal or oral sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 25	Range of Values	87	87	
77777	Refused	0	87	
99999	Don't know	0	87	
.	Missing	4756	4843	

SXQ836 - # men anal sex partners/lifetime (M)

Variable Name: SXQ836

SAS Label: # men anal sex partners/lifetime (M)

English Text: In your lifetime, with how many men have you had anal sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 50	Range of Values	105	105	
100	100 or more	6	111	
77777	Refused	0	111	
99999	Don't know	0	111	
.	Missing	4732	4843	

SXQ839 - CHECK ITEM

Variable Name: SXQ839

English Instructions: BOX 6 CHECK ITEM SXQ839: IF SP IS 60-69 YEARS, GO TO SXQ853. IF SP HAD NO ANAL SEX PARTNERS (CODED '0000' IN SXQ836), GO TO SXQ853. OTHERWISE, CONTINUE WITH SXQ841.

Target: Males only 18 YEARS - 69 YEARS

SXQ841 - # men anal sex partners/year (M)

Variable Name: SXQ841

SAS Label: # men anal sex partners/year (M)

English Text: In the past 12 months, with how many men have you had anal sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 25	Range of Values	66	66	
77777	Refused	0	66	
99999	Don't know	0	66	
.	Missing	4777	4843	

SXQ853 - Ever performed oral sex on a man (M)

Variable Name: SXQ853

SAS Label: Ever performed oral sex on a man (M)

English Text: Have you ever performed oral sex on a man? Performing oral sex means your mouth on a man's penis or genitals.

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Males only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	87	87	
2	No	24	111	
7	Refused	0	111	
9	Don't know	0	111	
.	Missing	4732	4843	

SXD847 - CHECK ITEM

Variable Name: SXD847

English Instructions: BOX 7 CHECK ITEM SXD847: IF SP NEVER HAD ORAL MALE PARTNER (CODED '2', '7', OR '9') IN SXQ853 AND SP IS 60-69 YEARS, GO TO END OF SECTION. IF SP NEVER HAD ORAL MALE PARTNER (CODED '2', '7', OR '9') IN SXQ853 AND SP IS 18-59 YEARS, GO TO BOX 9A. OTHERWISE, CONTINUE WITH SXD621.

Target: Males only 18 YEARS - 69 YEARS

SXD621 - How old when first had oral sex (B)

Variable Name: SXD621

SAS Label: How old when first had oral sex (B)

English Text: How old were you when you first performed oral sex on a man?
Performing oral sex means your mouth on a man's penis or genitals.

English Instructions: ENTER AGE IN YEARS.

Target: Both males and females 18 YEARS - 69 YEARS

Hard Edits: 13 to 69

Code or Value	Value Description	Count	Cumulative	Skip to Item
13 to 59	Range of Values	1415	1415	
12	12 years or younger	27	1442	
77	Refused	0	1442	
99	Don't know	0	1442	
.	Missing	3401	4843	

SXQ624 - # male oral sex partners/lifetime (B)

Variable Name: SXQ624

SAS Label: # male oral sex partners/lifetime (B)

English Text: In your lifetime, on how many men have you performed oral sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number.

Target: Both males and females 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 95	Range of Values	1427	1427	
100	100 or more	11	1438	
77777	Refused	2	1440	
99999	Don't know	2	1442	
.	Missing	3401	4843	

SXQ850 - CHECK ITEM

Variable Name: SXQ850

English Instructions: BOX 8 CHECK ITEM SXQ850: IF SP 60-69 YEARS, GO TO END OF SECTION. IF SXQ800, SXQ803, SXQ806, AND SXQ809 = 2, 7, OR 9, GO TO SXQ280. OTHERWISE, CONTINUE WITH SXQ627.

Target: Males only 18 YEARS - 69 YEARS

SXQ627 - # male oral sex partners/year (B)

Variable Name: SXQ627

SAS Label: # male oral sex partners/year (B)

English Text: In the past 12 months, on how many men have you performed oral sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 30	Range of Values	1427	1427	
77777	Refused	0	1427	
99999	Don't know	2	1429	
.	Missing	3414	4843	

SXQ765 - CHECK ITEM

Variable Name: SXQ765

English Instructions: BOX 5 CHECK ITEM SXQ765: IF SP HAD ONLY 1 LIFETIME ORAL SEX PARTNER (CODED '1') IN SXQ624, GO TO BOX 6. OTHERWISE CONTINUE.

Target: Females only 18 YEARS - 69 YEARS

SXQ865 - CHECK ITEM

Variable Name: SXQ865

English Instructions: BOX 8B CHECK ITEM SXQ865: IF SP HAD ONLY 1 LIFETIME MALE ORAL SEX PARTNER (CODED '1') IN SXQ624, GO TO BOX 9A. OTHERWISE CONTINUE.

Target: Males only 18 YEARS - 69 YEARS

SXD630 - Last perform oral sex new male/days (B)

Variable Name: SXD630

SAS Label: Last perform oral sex new male/days (B)

English Text: How long has it been since the last time you performed oral sex on a new male partner? A new sexual partner is someone that you had never had sex with before.

English Instructions: ENTER NUMBER OF DAYS

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 15341	Range of Values	975	975	
77777	Refused	4	979	
99999	Don't know	6	985	
.	Missing	3858	4843	

SXD844 - CHECK ITEM

Variable Name: SXD844

English Instructions: BOX 9A CHECK ITEM SXD844: IF SP DID NOT HAVE A PARTNER IN PAST 12 MONTHS (SXQ627, SXQ639, SXD510, SXQ827, AND SXQ841 CODED '0000' OR MISSING), GO TO SXQ260. IF SXQ809 = 1 AND SXQ800, SXQ803, OR SXQ806 = 1, THEN DISPLAY "The next set of questions is about all of your partners, males and females.", THEN GO TO BOX 9. OTHERWISE, GO TO BOX 9.

Target: Males only 18 YEARS - 69 YEARS

SXD744 - CHECK ITEM

Variable Name: SXD744

English Instructions: BOX 7A CHECK ITEM SXD744: IF SP DID NOT HAVE A PARTNER IN PAST 12 MONTHS (SXD450, SXQ727, SXQ627, SXQ639, AND SXQ490 CODED '0000' OR MISSING), GO TO SXQ260. IF SXQ709 = 1 AND SXQ700, SXQ703, OR SXQ706 = 1, THEN DISPLAY "The next set of questions is about all of your partners, males and females.", THEN GO TO BOX 7. OTHERWISE, GO TO BOX 7.

Target: Females only 18 YEARS - 69 YEARS

SXQ845 - CHECK ITEM

Variable Name: SXQ845

English Instructions: BOX 9 CHECK ITEM SXQ845: IF SP HAD ORAL SEX PARTNER IN PAST 12 MONTHS (SXQ627 OR SXQ639 GREATER THAN '0000'), GO TO SXQ645. OTHERWISE, GO TO BOX 9B.

Target: Males only 18 YEARS - 69 YEARS

SXQ645 - Use protection when perform oral sex (B)

Variable Name: SXQ645

SAS Label: Use protection when perform oral sex (B)

English Text: When you performed oral sex in the past 12 months, how often would you use protection, like a condom or dental dam?

English Instructions: INSTRUCTIONS TO SP: Please select one of the following choices.

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Never	1672	1672	
2	Rarely	143	1815	
3	Usually	81	1896	
4	Always	134	2030	
5	Unsure	21	2051	
7	Refused	1	2052	
9	Don't know	1	2053	
.	Missing	2790	4843	

SXD871 - CHECK ITEM

Variable Name: SXD871

English Instructions: BOX 9B CHECK ITEM SXD871: IF SXD510, SXQ841, OR SXQ827 GREATER THAN '0000', GO TO SXQ648. OTHERWISE, GO TO BOX 11.

Target: Males only 18 YEARS - 69 YEARS

SXQ648 - Had sex with new partner/year (B)**Variable Name:** SXQ648**SAS Label:** Had sex with new partner/year (B)**English Text:** In the past 12 months, did you have any kind of sex with a person that you never had sex with before?**English Instructions:** INSTRUCTIONS TO SP: Please select . . .**Target:** Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	503	503	
2	No	2340	2843	
7	Refused	2	2845	
9	Don't know	1	2846	
.	Missing	1997	4843	

SXQ859 - CHECK ITEM

Variable Name: SXQ859

English Instructions: BOX 10A CHECK ITEM SXQ859: IF SXQ800, SXQ806, AND SXQ809 NOT EQUAL TO '1', GO TO BOX 11. OTHERWISE, GO TO SXQ610.

Target: Males only 18 YEARS - 69 YEARS

SXQ610 - # times had vaginal or anal sex/year (B)

Variable Name: SXQ610

SAS Label: # times had vaginal or anal sex/year (B)

English Text: In the past 12 months, about how many times have you had {vaginal or anal/vaginal/anal} sex?

English Instructions: INSTRUCTIONS TO SP: Please select one of the following choices.

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	Never	103	103	
1	Once	139	242	
2	2-11 times	646	888	
3	12-51 times	966	1854	
4	52-103 times	571	2425	
5	104-364 times	361	2786	
6	365 times or more	27	2813	
77	Refused	4	2817	
99	Don't know	8	2825	
.	Missing	2018	4843	

SXD245 - CHECK ITEM

Variable Name: SXD245

English Instructions: BOX 10 CHECK ITEM SXD245: IF SP DID NOT HAVE VAGINAL OR ANAL SEX (CODED '0') IN SXQ610, GO TO BOX 11. OTHERWISE, CONTINUE WITH SXQ251.

Target: Males only 18 YEARS - 69 YEARS

SXQ251 - # times had sex without condom/year (B)

Variable Name: SXQ251

SAS Label: # times had sex without condom/year (B)

English Text: In the past 12 months, about how often have you had {vaginal or anal/vaginal/anal} sex without using a condom?

English Instructions: INSTRUCTIONS TO SP: Please select one of the following choices.

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Never	694	694	
2	Less than half of the time	376	1070	
3	About half of the time	195	1265	
4	Not always, but more than half of the time	227	1492	
5	Always	1228	2720	
7	Refused	0	2720	
9	Don't know	2	2722	
.	Missing	2121	4843	

SXD856 - CHECK ITEM

Variable Name:	SXD856
English Instructions:	BOX 11 CHECK ITEM SXD856: IF SP 18-29 YEARS AND IF SP HAD PARTNER IN PAST 12 MONTHS (SXQ627, SXQ639, SXD510, SXQ827, OR SXQ841 GREATER THAN '0000'), GO TO SXQ590. OTHERWISE, GO TO SXQ260.
Target:	Males only 18 YEARS - 69 YEARS

SXQ590 - # sex partners 5 years older/year (B)**Variable Name:** SXQ590**SAS Label:** # sex partners 5 years older/year (B)**English Text:** Of the persons you had any kind of sex with in the past 12 months, how many were five or more years older than you?**English Instructions:** INSTRUCTIONS TO SP: Please enter a number or enter zero for none.**Target:** Both males and females 18 YEARS - 29 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 12	Range of Values	851	851	
77777	Refused	0	851	
99999	Don't know	0	851	
.	Missing	3992	4843	

SXQ600 - # sex partners 5 years younger/year (B)

Variable Name: SXQ600

SAS Label: # sex partners 5 years younger/year (B)

English Text: Of the persons you had any kind of sex with in the past 12 months, how many were five or more years younger than you?

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Both males and females 18 YEARS - 29 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 9	Range of Values	850	850	
77777	Refused	1	851	
99999	Don't know	0	851	
.	Missing	3992	4843	

SXD001 - CHECK ITEM

Variable Name: SXD001

English Instructions: IF SP IS MALE AND 18-59 YEARS OLD THEN GO TO SXQ260.

Target: Males only 18 YEARS - 59 YEARS

SXD002 - CHECK ITEM

Variable Name: SXD002

English Instructions: IF SP IS FEMALE AND 18-69 YEARS OLD THEN GO TO SXQ753.

Target: Females only 18 YEARS - 69 YEARS

SXD101 - # male sex partners/lifetime (F)

Variable Name: SXD101

SAS Label: # male sex partners/lifetime (F)

English Text: In your lifetime, with how many men have you had any kind of sex?

English Instructions: INSTRUCTIONS TO SP: Please enter a number.

Target: Females only 18 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 87	Range of Values	2167	2167	
100	100 or more	14	2181	
77777	Refused	7	2188	
99999	Don't know	2	2190	
.	Missing	2653	4843	

SXD715 - CHECK ITEM

Variable Name: SXD715

English Instructions: BOX 2 CHECK ITEM SXD715: IF SP 60-69 YEARS, GO TO END OF SECTION. OTHERWISE, GO TO SXD450.

Target: Females only 18 YEARS - 69 YEARS

SXD450 - # male sex partners/year (F)**Variable Name:** SXD450**SAS Label:** # male sex partners/year (F)**English Text:** In the past 12 months, with how many men have you had any kind of sex?**English Instructions:** INSTRUCTIONS TO SP: Please enter a number or enter zero for none.**Target:** Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 30	Range of Values	1764	1764	
77777	Refused	4	1768	
99999	Don't know	0	1768	
.	Missing	3075	4843	

SXQ721 - CHECK ITEM

Variable Name: SXQ721

English Instructions: BOX 3 CHECK ITEM SXQ721: IF SXQ700 = 1, GO TO SXQ724.
OTHERWISE, GO TO BOX 4.

Target: Females only 18 YEARS - 69 YEARS

SXQ724 - # male vaginal sex partners/lifetime (F)

Variable Name: SXQ724

SAS Label: # male vaginal sex partners/lifetime (F)

English Text: In your lifetime, with how many men have you had vaginal sex?
Vaginal sex means a man's penis in your vagina.

English Instructions: INSTRUCTIONS TO SP: Please enter a number.

Target: Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 80	Range of Values	1631	1631	
100	100 or more	10	1641	
77777	Refused	0	1641	
99999	Don't know	1	1642	
.	Missing	3201	4843	

SXQ727 - # male vaginal sex partners/year (F)

Variable Name: SXQ727

SAS Label: # male vaginal sex partners/year (F)

English Text: In the past 12 months, with how many men have you had vaginal sex? Vaginal sex means a man's penis in your vagina.

English Instructions: INSTRUCTIONS TO SP: Please enter a number or enter zero for none.

Target: Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 30	Range of Values	1641	1641	
77777	Refused	1	1642	
99999	Don't know	0	1642	
.	Missing	3201	4843	

SXQ730 - CHECK ITEM

Variable Name: SXQ730

English Instructions: BOX 4 CHECK ITEM SXQ730: IF SXQ703 = 1, GO TO SXQ621.
OTHERWISE, GO TO BOX 6.

Target: Females only 18 YEARS - 69 YEARS

SXD733 - CHECK ITEM

Variable Name: SXD733

English Instructions: BOX 6 CHECK ITEM SXD733: IF SXQ709 = 1, GO TO SXQ130.
OTHERWISE, GO TO BOX 7.

Target: Females only 18 YEARS - 69 YEARS

SXQ130 - # female sex partners/lifetime (F)**Variable Name:** SXQ130**SAS Label:** # female sex partners/lifetime (F)**English Text:** In your lifetime with how many women have you had sex? By sex, we mean sexual contact with another woman's vagina or genitals.**English Instructions:** INSTRUCTIONS TO SP: Please enter a number.**Target:** Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 63	Range of Values	189	189	
77777	Refused	0	189	
99999	Don't know	0	189	
.	Missing	4654	4843	

SXQ490 - # female sex partners/year (F)**Variable Name:** SXQ490**SAS Label:** # female sex partners/year (F)**English Text:** In the past 12 months, with how many women have you had sex?
By sex, we mean sexual contact with another woman's vagina or genitals.**English Instructions:** INSTRUCTIONS TO SP: Please enter a number or enter zero for none.**Target:** Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0 to 12	Range of Values	189	189	
77777	Refused	0	189	
99999	Don't know	0	189	
.	Missing	4654	4843	

SXQ741 - Ever performed oral sex on a woman (F)

Variable Name: SXQ741

SAS Label: Ever performed oral sex on a woman (F)

English Text: Have you ever performed oral sex on a woman? Performing oral sex means your mouth on a woman's vagina or genitals.

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	156	156	
2	No	33	189	
7	Refused	0	189	
9	Don't know	0	189	
.	Missing	4654	4843	

SXQ768 - CHECK ITEM

Variable Name: SXQ768

English Instructions: BOX 6B CHECK ITEM SXQ768: IF SP HAD ONLY 1 LIFETIME ORAL SEX PARTNER (CODED '1') IN SXQ636, GO TO BOX 7A. OTHERWISE, CONTINUE.

Target: Females only 18 YEARS - 69 YEARS

SXQ747 - CHECK ITEM

Variable Name: SXQ747

English Instructions: BOX 7 CHECK ITEM SXQ747: IF SP HAD ORAL SEX PARTNER IN PAST 12 MONTHS (SXQ627 OR SXQ639 GREATER THAN '0000'), THEN GO TO SXQ645. OTHERWISE, GO TO BOX 7B.

Target: Females only 18 YEARS - 69 YEARS

SXD771 - CHECK ITEM

Variable Name: SXD771

English Instructions: BOX 7B CHECK ITEM SXD771: IF SXD450, SXQ727, OR SXQ490 GREATER THAN '0000', GO TO SXQ648. OTHERWISE, GO TO BOX 9.

Target: Females only 18 YEARS - 69 YEARS

SXQ759 - CHECK ITEM

Variable Name: SXQ759

English Instructions: BOX 8A CHECK ITEM SXQ759: IF SXQ700 OR SXQ706 = 1, THEN CONTINUE. OTHERWISE, GO TO BOX 9.

Target: Females only 18 YEARS - 69 YEARS

SXD750 - CHECK ITEM

Variable Name: SXD750

English Instructions: BOX 9 CHECK ITEM SXD750: IF SP 18-29 YEARS AND IF SP HAD PARTNER IN PAST 12 MONTHS (SXD450, SXQ727, SXQ627, SXQ639, OR SXQ490 GREATER THAN '0000'), GO TO SXQ590. OTHERWISE CONTINUE.

Target: Females only 18 YEARS - 69 YEARS

SXQ753 - Ever told by MD, you had HPV (F)

Variable Name: SXQ753

SAS Label: Ever told by MD, you had HPV (F)

English Text: Has a doctor or other health care professional ever told you that you had human papillomavirus or HPV?

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	140	140	
2	No	1529	1669	
7	Refused	1	1670	
9	Don't know	2	1672	
.	Missing	3171	4843	

SXQ260 - MD ever told you had genital herpes (B)

Variable Name: SXQ260

SAS Label: MD ever told you had genital herpes (B)

English Text: Has a doctor or other health care professional ever told you that you had genital herpes?

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	113	113	
2	No	3083	3196	
7	Refused	2	3198	
9	Don't know	1	3199	
.	Missing	1644	4843	

SXQ265 - MD ever told you had genital warts (B)

Variable Name: SXQ265

SAS Label: MD ever told you had genital warts (B)

English Text: Has a doctor or other health care professional ever told you that you had genital warts?

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	109	109	
2	No	3087	3196	SXQ270
7	Refused	1	3197	SXQ270
9	Don't know	2	3199	SXQ270
.	Missing	1644	4843	

SXQ267 - Age when told you had genital warts (B)

Variable Name: SXQ267

SAS Label: Age when told you had genital warts (B)

English Text: How old were you when you were first told that you had genital warts?

English Instructions: ENTER AGE IN YEARS.

Target: Both males and females 18 YEARS - 59 YEARS

Hard Edits: 0 to 59

Code or Value	Value Description	Count	Cumulative	Skip to Item
14 to 58	Range of Values	109	109	
77	Refused	0	109	
99	Don't know	0	109	
.	Missing	4734	4843	

SXQ270 - MD ever told you had gonorrhea (B)

Variable Name: SXQ270

SAS Label: MD ever told you had gonorrhea (B)

English Text: In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	15	15	
2	No	3183	3198	
7	Refused	0	3198	
9	Don't know	1	3199	
.	Missing	1644	4843	

SXQ272 - MD ever told you had chlamydia (B)

Variable Name: SXQ272

SAS Label: MD ever told you had chlamydia (B)

English Text: In the past 12 months, has a doctor or other health care professional told you that you had chlamydia?

English Instructions: INSTRUCTIONS TO SP: Please select . . .

Target: Both males and females 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	39	39	
2	No	3155	3194	
7	Refused	3	3197	
9	Don't know	2	3199	
.	Missing	1644	4843	

SXQ280 - Circumcised or uncircumcised? (M)

Variable Name: SXQ280

SAS Label: Circumcised or uncircumcised? (M)

English Text: Are you circumcised or uncircumcised?

English Instructions: INSTRUCTIONS TO SP: Please select . . . CAPI INSTRUCTIONS:
Display the sketches below each selection. Sketch should display by default. ACASI FIGURE SXQ1 - CLINICAL SKETCH OF CIRCUMCISED PENIS ACASI FIGURE SXQ2 - CLINICAL SKETCH OF UNCIRCUMCISED PENIS

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Circumcised	1020	1020	
2	Uncircumcised	499	1519	
7	Refused	1	1520	
9	Don't know	7	1527	
.	Missing	3316	4843	

SXQ295 - Describe sexual identity (F)

Variable Name: SXQ295

SAS Label: Describe sexual identity (F)

English Text: Do you think of yourself as...

Target: Females only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Lesbian or Gay	30	30	
2	Straight, that is, not lesbian or gay	1516	1546	
3	Bisexual	91	1637	
4	Something else	24	1661	
6	I don't know the answer	96	1757	
7	Refused	2	1759	
9	Don't know	8	1767	
.	Missing	3076	4843	

SXQ296 - Describe sexual identity (M)

Variable Name: SXQ296

SAS Label: Describe sexual identity (M)

English Text: Which of the following best represents how you think of yourself?

Target: Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Gay	37	37	
2	Straight that is not gay	1477	1514	
3	Bisexual	28	1542	
4	Something else	17	1559	
6	I don't know the answer	83	1642	
7	Refused	5	1647	
9	Don't know	6	1653	
.	Missing	3190	4843	

Appendix 1. Sexual Behavior (SXQ) Data for Males in NHANES 2003-2016 Release Files

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
Target age	14-59 years	14-59 years	14-69 years	14-69 years
Ever had any type of sex	SXQ020 The next set of questions is about your sexual behavior. By sex, we mean vaginal, oral, or anal sex. Please remember that your answers are strictly confidential. Have you ever had sex?	SXQ021 The next set of questions is about your sexual behavior. By sex, we mean vaginal, anal, or oral sex. Please remember that your answers are strictly confidential. Have you ever had vaginal, anal, or oral sex?	SXQ021 The next set of questions is about your sexual behavior. By sex, we mean vaginal, anal, or oral sex. Please remember that your answers are strictly confidential. Have you ever had vaginal, anal, or oral sex?	SXD021 Ever had vaginal, anal, or oral sex. Derived from: SXQ800 SXQ803 SXQ806 SXQ809 SXQ615¥
	Not included	Not included	Not included	SXQ800 Have you ever had vaginal sex, also called sexual intercourse, with a woman? This means your penis in a woman's vagina.
	Not included	Not included	Not included	SXQ803 Have you ever performed oral sex on a woman? This means putting your mouth on a woman's vagina or genitals.
	Not included	Not included	Not included	SXQ806 Have you ever had anal sex with a woman? Anal sex means contact between your penis and a woman's anus or butt.
	Not included	Not included	Not included	SXQ809 Have you ever had any kind of sex with a man, including oral or anal?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
Age of having sex for the first time	SXD030 How old were you when you had sex for the first time?	SXD031 When you first had vaginal, anal, or oral sex, how old were you?	SXD031 When you first had vaginal, anal, or oral sex, how old were you?	SXD031€ How old were you the first time you had any kind of sex, including {vaginal, anal, or oral / vaginal or anal / vaginal or oral / anal or oral / vaginal / anal / oral}?
Life time female sex partner(s)	SXQ170 In your lifetime, with how many women have you had sex?	SXD171 In your lifetime, with how many females have you had vaginal, anal, or oral sex?	SXD171 In your lifetime, with how many females have you had vaginal, anal, or oral sex?	SXD171 In your lifetime, with how many women have you had any kind of sex?
	Not included	SXQ400 With how many of these females have you had only oral sex?	SXQ400* With how many of these females have you had only oral sex?	Not included
	Not included	Not included	Not included	SXQ824* In your lifetime, with how many women have you had vaginal sex? Vaginal sex means your penis in a woman's vagina.
	Not included	Not included	Not included	SXQ636* In your lifetime, on how many women have you performed oral sex?
Female sex partner(s) in the last 12 months	SXQ190 In the past 12 months, with how many women have you had sex?	SXQ510 In the past 12 months, with how many females have you had vaginal, anal, or oral sex?	SXQ510* In the past 12 months, with how many females have you had vaginal, anal, or oral sex?	SXD510* In the past 12 months, with how many women have you had any kind of sex?
	Not included	SXQ530 With how many of these females have you had only oral sex?	SXQ530* With how many of these females have you had only oral sex?	Not included

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
	Not included	Not included	Not included	SXQ827* In the past 12 months, with how many women have you had vaginal sex? Vaginal sex means your penis in a woman's vagina.
	Not included	Not included	Not included	SXQ639* In the past 12 months, on how many women have you performed oral sex?
Oral sex with female partner	Not included	Not included	Not included	SXD633* How old were you when you first performed oral sex on a woman? Performing oral sex means your mouth on a woman's vagina or genitals.
	Not included	Not included	Not included	SXD642* How long has it been since the last time you performed oral sex on a new female partner? A new sexual partner is someone that you had never had sex with before.
Life time male sex partner(s)	SXQ200 In your lifetime, with how many men have you had sex?	SXQ410 In your lifetime, with how many males have you had anal or oral sex?	SXQ410 In your lifetime, with how many males have you had anal or oral sex?	SXQ410 In your lifetime, with how many men have you had anal or oral sex?
	Not included	SXQ430 With how many of these males have you had only oral sex?	SXQ430 With how many of these males have you had only oral sex?	Not included
	Not included	Not included	Not included	SXQ836 In your lifetime, with how many men have you had anal sex?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
	Not included	Not included	Not included	SXQ624 In your lifetime, on how many men have you performed oral sex?
Male sex partner(s) in the last 12 months	SXQ220 In the past 12 months, with how many men have you had sex?	SXQ550 In the past 12 months, with how many males have you had anal or oral sex?	SXQ550* In the past 12 months, with how many males have you had anal or oral sex?	SXQ550* In the past 12 months, with how many men have you had anal or oral sex?
	Not included	SXQ570 With how many of these males have you had only oral sex?	SXQ570* With how many of these males have you had only oral sex?	Not included
	Not included	Not included	Not included	SXQ841* In the past 12 months, with how many men have you had anal sex?
	Not included	Not included	Not included	SXQ627* In the past 12 months, on how many men have you performed oral sex?
Oral sex with male partner	Not included	Not included	Not included	SXQ853 Have you ever performed oral sex on a man? Performing oral sex means your mouth on a man's penis or genitals.
	Not included	Not included	Not included	SXD621 How old were you when you first performed oral sex on a man? Performing oral sex means your mouth on a man's penis or genitals.

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
	Not included	Not included	Not included	SXD630* How long has it been since the last time you performed oral sex on a new male partner? A new sexual partner is someone that you had never had sex with before.
Sex in the past 12 months	SXQ241 In the past 30 days, with how many people have you had sex?	SXQ610 In the past 12 months, about how many times have you had vaginal or anal sex?	SXQ610* In the past 12 months, about how many times have you had vaginal or anal sex?	SXQ610€* In the past 12 months, about how many times have you had {vaginal or anal/vaginal/anal} sex?
	Not included	SXQ590 Of the persons you had sex with in the past 12 months, how many were five or more years older than you?	SXQ590* Of the persons you had sex with in the past 12 months, how many were five or more years older than you?	SXQ590€ Of the persons you had any kind of sex with in the past 12 months, how many were five or more years older than you?
	Not included	SXQ600 Of the persons you had sex with in the past 12 months, how many were five or more years younger than you?	SXQ600* Of the persons you had sex with in the past 12 months, how many were five or more years younger than you?	SXQ600€ Of the persons you had any kind of sex with in the past 12 months, how many were five or more years younger than you?
	Not included	Not included	Not included	SXQ648* In the past 12 months, did you have any kind of sex with a person that you never had sex with before?
	SXQ250 In the past 30 days, how many times have you had sex without using a condom?	SXQ251 In the past 12 months, about how often have you had vaginal or anal sex without using a condom?	SXQ251* In the past 12 months, about how often have you had vaginal or anal sex without using a condom?	SXQ251€* In the past 12 months, about how often have you had {vaginal or anal/vaginal/anal} sex without using a condom?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
	Not included	Not included	Not included	SXQ645* When you performed oral sex in the past 12 months, how often would you use protection, like a condom or dental dam?
History of sexually transmitted diseases	SXQ260 Has a doctor or other health professional ever told you that you had genital herpes?	SXQ260 Has a doctor or other health professional ever told you that you had genital herpes?	SXQ260* Has a doctor or other health professional ever told you that you had genital herpes?	SXQ260* Has a doctor or other health professional ever told you that you had genital herpes?
	SXQ265 Has a doctor or health care professional ever told you that you had genital warts?	SXQ265 Has a doctor or health care professional ever told you that you had genital warts?	SXQ265* Has a doctor or health care professional ever told you that you had genital warts?	SXQ265* Has a doctor or health care professional ever told you that you had genital warts?
	Not included	Not included	Not included	SXQ267† How old were you when you were first told that you had genital warts?
	SXQ270 In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?	SXQ270 In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?	SXQ270* In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?	SXQ270* In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?
	SXQ272 In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?	SXQ272 In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?	SXQ272* In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?	SXQ272* In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?
Circumcision status	SXQ280 Are you circumcised or uncircumcised?	SXQ280 Are you circumcised or uncircumcised?	SXQ280* Are you circumcised or uncircumcised?	SXQ280* Are you circumcised or uncircumcised?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
Sexual identity/ attraction	SXQ292# Do you think of yourself as...	SXQ292# Do you think of yourself as...	SXQ292# Do you think of yourself as...	SXQ292# Do you think of yourself as... SXQ296#± Which of the following best represents how you think of yourself?
Interview status	Not included	SXAISC Interview status code	SXAISC Interview status code	Not included

†	Questions were changed during data collection: "vaginal, anal, and oral" qualifiers were removed. See documentation accompanied 07-08 data file (available at: https://wwwn.cdc.gov/nchs/nhanes/2007-2008/SXQ_E.htm) for more details.
¥	Target age: 14-17 year olds.
*	Target age: 14-59 year olds.
£	Target age changed from 14-59 to 14-29 in 2009-2010.
€	Question was edited to include "fills". For example, depending on what types of sex respondents indicated having determines the fills in the question.
#	Target age: 18-59 year olds.
‡	Question was added in 2013-2014.
±	Wording and response categories for question slightly modified in 2015-2016.

Appendix 2. Sexual Behavior (SXQ) Data for Females in NHANES 2003-2016 Release Files

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008+ Variable name/Question	2009-2016 Variable name/Question
Target age	14-59 years	14-59 years	14-69 years	14-69 years
Ever had any type of sex	SXQ020 The next set of questions is about your sexual behavior. By sex, we mean vaginal, oral, or anal sex. Please remember that your answers are strictly confidential. Have you ever had sex?	SXQ021 The next set of questions is about your sexual behavior. By sex, we mean vaginal, anal, or oral sex. Please remember that your answers are strictly confidential. Have you ever had vaginal, anal, or oral sex?	SXQ021 The next set of questions is about your sexual behavior. By sex, we mean vaginal, anal, or oral sex. Please remember that your answers are strictly confidential. Have you ever had vaginal, anal, or oral sex?	SXD021 Ever had vaginal, anal, or oral sex. Derived from: SXQ700 SXQ703 SXQ706 SXQ709 SXQ615¥
	Not included	Not included	Not included	SXQ700 Have you ever had vaginal sex, also called sexual intercourse, with a man? This means a man's penis in your vagina.
	Not included	Not included	Not included	SXQ703 Have you ever performed oral sex on a man? This means putting your mouth on a man's penis or genitals.
	Not included	Not included	Not included	SXQ706 Have you ever had anal sex? This means contact between a man's penis and your anus or butt.
	Not included	Not included	Not included	SXQ709 Have you ever had any kind of sex with a woman? By sex, we mean sexual contact with another woman's vagina or genitals.

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008+ Variable name/Question	2009-2016 Variable name/Question
Age of having sex for the first time	SXD030 How old were you when you had sex for the first time?	SXD031 When you first had vaginal, anal, or oral sex, how old were you?	SXD031 When you first had vaginal, anal, or oral sex, how old were you?	SXD031E How old were you the first time you had any kind of sex, including {vaginal, anal, or oral / vaginal or anal / vaginal or oral / anal or oral / vaginal / anal / oral}?
Life time male sex partner(s)	SXQ100 In your lifetime, with how many men have you had sex?	SXQ101 In your lifetime, with how many males have you had vaginal, anal, or oral sex?	SXQ101 In your lifetime, with how many males have you had vaginal, anal, or oral sex?	SXD101 In your lifetime, with how many men have you had any kind of sex?
	Not included	SXQ350 With how many of these males have you had only oral sex?	SXQ350* With how many of these males have you had only oral sex?	Not included
	Not included	Not included	Not included	SXQ724* In your lifetime, with how many men have you had vaginal sex? Vaginal sex means a man's penis in your vagina.
	Not included	Not included	Not included	SXQ624* In your lifetime, on how many men have you performed oral sex?
Male sex partner(s) in the last 12 months	SXQ120 In the past 12 months, with how many men have you had sex?	SXQ450 In the past 12 months, with how many males have you had vaginal, anal, or oral sex?	SXQ450* In the past 12 months, with how many males have you had vaginal, anal, or oral sex?	SXD450* In the past 12 months, with how many men have you had any kind of sex?
	Not included	SXQ470 With how many of these males have you had only oral sex?	SXQ470* With how many of these males have you had only oral sex?	Not included

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
	Not included	Not included	Not included	SXQ727* In the past 12 months, with how many men have you had vaginal sex? Vaginal sex means a man's penis in your vagina.
	Not included	Not included	Not included	SXQ627* In the past 12 months, on how many men have you performed oral sex?
Oral sex with male partner	Not included	Not included	Not included	SXD621* How old were you when you first performed oral sex on a man? Performing oral sex means your mouth on a man's penis or genitals.
	Not included	Not included	Not included	SXD630* How long has it been since the last time you performed oral sex on a new male partner? A new sexual partner is someone that you had never had sex with before.
Life time female sex partner(s)	SXQ130 In your lifetime, with how many women have you had sex?	SXQ130 In your lifetime, with how many women have you had sex?	In your lifetime, with how many women have you had sex?	SXQ130* In your lifetime with how many women have you had sex? By sex, we mean sexual contact with another woman's vagina or genitals.
	Not included	Not included	Not included	SXQ636* In your lifetime, on how many women have you performed oral sex?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
Female sex partner(s) in the last 12 months	SXQ150 In the past 12 months, with how many women have you had sex?	SXQ490 In the past 12 months, with how many females have you had sex?	SXQ490* In the past 12 months, with how many females have you had sex?	SXQ490* In the past 12 months, with how many women have you had sex? By sex, we mean sexual contact with another woman's vagina or genitals.
	Not included	Not included	Not included	SXQ639* In the past 12 months, on how many women have you performed oral sex?
Oral sex with female partner	Not included	Not included	Not included	SXQ741* Have you ever performed oral sex on a woman? Performing oral sex means your mouth on a woman's vagina or genitals.
	Not included	Not included	Not included	SXD633* How old were you when you first performed oral sex on a woman? Performing oral sex means your mouth on a woman's vagina or genitals.
	Not included	Not included	Not included	SXD642* How long has it been since the last time you performed oral sex on a new female partner? A new sexual partner is someone that you had never had sex with before.
Sex in the past 12 months	SXQ241 In the past 30 days, with how many people have you had sex?	SXQ610 In the past 12 months, about how many times have you had vaginal or anal sex?	SXQ610* In the past 12 months, about how many times have you had vaginal or anal sex?	SXQ610C* In the past 12 months, about how many times have you had {vaginal or anal/vaginal/anal} sex?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008+ Variable name/Question	2009-2016 Variable name/Question
	Not included	SXQ590 Of the persons you had sex with in the past 12 months, how many were five or more years older than you?	SXQ590* Of the persons you had sex with in the past 12 months, how many were five or more years older than you?	SXQ590£ Of the persons you had any kind of sex with in the past 12 months, how many were five or more years older than you?
	Not included	SXQ600 Of the persons you had sex with in the past 12 months, how many were five or more years younger than you?	SXQ600* Of the persons you had sex with in the past 12 months, how many were five or more years younger than you?	SXQ600£ Of the persons you had any kind of sex with in the past 12 months, how many were five or more years younger than you?
	Not included	Not included	Not included	SXQ648* In the past 12 months, did you have any kind of sex with a person that you never had sex with before?
	SXQ250 In the past 30 days, how many times have you had sex without using a condom?	SXQ251 In the past 12 months, about how often have you had vaginal or anal sex without using a condom?	SXQ251* In the past 12 months, about how often have you had vaginal or anal sex without using a condom?	SXQ251£* In the past 12 months, about how often have you had {vaginal or anal/vaginal/anal} sex without using a condom?
	Not included	Not included	Not included	SXQ645* When you performed oral sex in the past 12 months, how often would you use protection, like a condom or dental dam?
History of sexually transmitted diseases	SXQ260 Has a doctor or other health professional ever told you that you had genital herpes?	SXQ260 Has a doctor or other health professional ever told you that you had genital herpes?	SXQ260* Has a doctor or other health professional ever told you that you had genital herpes?	SXQ260* Has a doctor or other health professional ever told you that you had genital herpes?
	SXQ265 Has a doctor or health care professional ever told you that you had genital warts?	SXQ265 Has a doctor or health care professional ever told you that you had genital warts?	SXQ265* Has a doctor or health care professional ever told you that you had genital warts?	SXQ265* Has a doctor or health care professional ever told you that you had genital warts?

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2016 Variable name/Question
	Not included	Not included	Not included	SXQ267‡ How old were you when you were first told that you had genital warts?
	Not included	Not included	Not included	SXQ753* Has a doctor or other health care professional ever told you that you had human papillomavirus or HPV?
	SXQ270 In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?	SXQ270 In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?	SXQ270* In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?	SXQ270* In the past 12 months, has a doctor or other health care professional told you that you had gonorrhea, sometimes called GC or clap?
	SXQ272 In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?	SXQ272 In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?	SXQ272* In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?	SXQ272* In the past 12 months, has a doctor or other health care professional told you that you had Chlamydia?
Sexual identity/attraction	SXQ294# Do you think of yourself as...	SXQ294# Do you think of yourself as...	SXQ294# Do you think of yourself as...	SXQ294# Do you think of yourself as... SXQ295#± Which of the following best represents how you think of yourself?
Interview status	Not included	SXAISC Interview status code	SXAISC Interview status code	Not included

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*	Target age: 14-59 year olds.
£	Target age changed from 14-59 to 14-29 in 2009-2010.
€	Question was edited to include "fills". For example, depending on what types of sex respondents indicated having determines the fills in the question.

#	Target age: 18-59 year olds.
#	Question was added in 2013-2014.
#±	Wording and response categories for question slightly modified in 2015-2016.