National Health and Nutrition Examination Survey

2013-2014 Data Documentation, Codebook, and Frequencies

Sexual Behavior (SXQ_H)

Data File: SXQ_H.xpt

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Component Description

The ACASI 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, sexual orientation, circumcision status (men) and history of sexually transmitted diseases.

Eligible Sample

Survey participants aged 14-69 years were eligible. Several questions in this section are age and 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 questionnaire was self-administered in a private room at the examination center, 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/2013-2014/questionnaires/sxq_acasi_h.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 2013-2014 is the same as in 2011-2012 and 2009-2010. However, analyst 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 Appendix 1 (for male) and Appendix 2 (for female) for detailed information on variables included in the SXQ section in the latest six release cycles.

The variable SXD021 (Ever had vaginal, anal, or oral sex) was derived from whether or not the respondent had 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.

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 "9 years or younger."

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

Beginning in 2013, NHANES started asking participants who answered yes to having been told by a doctor or other health care professional that they had genital warts, how old they were when they were first told that they had genital warts.

Analyst 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 questionnaire is self-administered, unlikely answers or confusing questions 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.

Users are cautioned about the use of SXQ292 and SXQ294 in analyses, especially in analyses that classify respondents by their responses to these questions to describe or compare subgroup characteristics. The sample size for the non-heterosexual subgroups is limited and do not meet the minimum sample size requirements for statistical reliability as noted in the NHANES analytic guidelines. Even after combining multiple years of data, which is often recommended to estimate rarer conditions within a subgroup, the non-heterosexual subgroups do not meet the minimum sample size. Additionally, there is a high rate of not selecting a specific answer to the questions. That is, selecting 'don't know', 'refused', 'not sure' or 'something else' as a response. This issue has been examined at length at the NCHS Questionnaire Design Research Laboratory (QDRL) recently. Individuals select these answers for a variety of reasons that are well summarized in the report Design, Development and Testing of the NHIS Sexual Identity Question, specifically in Table 2[1]. 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.

Analysts should be aware that the 2013-2014 sexual behavior data has some inconsistencies in terms of number of partners reported for each type of sex. For example, about 1.8% of males and 1.0% of females reported a greater number of vaginal sex partners in the past 12 months compared with number of "total" sex partners in the past 12 months.

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.

Special use data files for participants 14-17 years is available through the NCHS Research Data Center (RDC).

References

- [1]Miller K, Ryan JM. Design, Development and Testing of the NHIS Sexual Identity Question Questionnaire Design Research Laboratory, Office of Research and Methodology, National Center for Health Statistics, October 2011. Available from: http://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

Variable Name:	SXD021
SAS Label:	Ever had vaginal, anal, or oral sex
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	4280	4280	
2	No	243	4523	
7	Refused	3	4526	
9	Don't know	0	4526	
.	Missing	531	5057	

SXQ800 - Ever had vaginal sex with a woman

Variable Name:	SXQ800
SAS Label:	Ever had vaginal sex with a woman
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	2000	2000	
2	No	194	2194	
7	Refused	4	2198	
9	Don't know	0	2198	
.	Missing	2859	5057	

SXQ803 - Ever performed oral sex on a woman

Variable Name:	SXQ803
SAS Label:	Ever performed oral sex on a woman
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	1726	1726	
2	No	461	2187	
7	Refused	7	2194	
9	Don't know	4	2198	
.	Missing	2859	5057	

SXQ806 - Ever had anal sex with a woman

Variable Name:	SXQ806
SAS Label:	Ever had anal sex with a woman
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	846	846	
2	No	1342	2188	
7	Refused	5	2193	
9	Don't know	5	2198	
.	Missing	2859	5057	

SXQ809 - Ever had any sex with a man: anal, oral

Variable Name:	SXQ809
SAS Label:	Ever had any sex with a man: anal, oral
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	116	116	
2	No	2076	2192	
7	Refused	5	2197	
9	Don't know	1	2198	
.	Missing	2859	5057	

SXQ809 - Ever had any sex with a man: anal, oral

SXD862 - CHECK ITEM

Variable Name:	SXD862
English Instructions:	BOX 1A CHECK ITEM SXD.862: IF SXQ.800, SXQ.803, SXQ.806, AND SXQ.809 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

Variable Name:	SXQ700
SAS Label:	Ever had vaginal sex with a man
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	2191	2191	
2	No	138	2329	
7	Refused	8	2337	
9	Don't know	2	2339	
.	Missing	2718	5057	

SXQ700 - Ever had vaginal sex with a man

SXQ703 - Ever performed oral sex on a man

Variable Name:	SXQ703
SAS Label:	Ever performed oral sex on a man
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	1753	1753	
2	No	572	2325	
7	Refused	13	2338	
9	Don't know	0	2338	
.	Missing	2719	5057	

SXQ706 - Ever had anal sex with a man

Variable Name:	SXQ706
SAS Label:	Ever had anal sex with a man
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	782	782	
2	No	1541	2323	
7	Refused	11	2334	
9	Don't know	4	2338	
.	Missing	2719	5057	

SXQ706 - Ever had anal sex with a man

SXQ709 - Ever had any kind of sex with a woman

Variable Name:	SXQ709
SAS Label:	Ever had any kind of sex with a woman
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	201	201	
2	No	2131	2332	
7	Refused	4	2336	
9	Don't know	2	2338	
.	Missing	2719	5057	

SXQ762 - CHECK ITEM

Variable Name:	SXQ762
English Instructions:	BOX 1A CHECK ITEM SXQ.762: IF SP 60-69 YEARS AND SXQ.703 OR SXQ.709 = 1 AND SXQ.700 = 2 AND SXQ.706 = 2, GO TO END OF SECTION. IF SXQ.700, SXQ.703, SXQ.706, AND SXQ.709 NOT EQUAL TO '1', GO TO BOX 11. OTHERWISE, CONTINUE.
Target:	Females only 18 YEARS - 69 YEARS

SXD031 - How old when first had sex

Variable Name:	SXD031
SAS Label:	How old when first had sex
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:	10 to 69

Code or Value	Value Description	Count	Cumulative	Skip to Item
10 to 60	Range of Values	4201	4201	
9	9 years or younger	71	4272	
77	Refused	17	4289	
99	Don't know	4	4293	
.	Missing	764	5057	

SXD031 - How old when first had sex

SXD801 - CHECK ITEM

Variable Name:	SXD801
English Instructions:	BOX 1 CHECK ITEM SXD.801: 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:	Males only 18 YEARS - 69 YEARS

SXD171 - # female sex partners/lifetime

Variable Name:	SXD171
SAS Label:	# female sex partners/lifetime
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 1000	Range of Values	2173	2173	
2000	2000 or more	0	2173	
77777	Refused	14	2187	
99999	Don't know	10	2197	
.	Missing	2860	5057	

SXD815 - CHECK ITEM

Variable Name:	SXD815
English Instructions:	BOX 2 CHECK ITEM SXD.815: IF SP 60-69 YEARS AND SXQ.809 = 1, GO TO SXQ.410. IF SP 60-69 YEARS AND SXQ.809 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

Variable Name:	SXD510
SAS Label:	# female sex partners/year
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 500	Range of Values	1789	1789	
77777	Refused	3	1792	
99999	Don't know	3	1795	
.	Missing	3262	5057	

SXQ821 - CHECK ITEM

Variable Name:	SXQ821
English Instructions:	BOX 3 CHECK ITEM SXQ.821: IF SXQ.800 = 1, GO TO SXQ.824. OTHERWISE, GO TO BOX 4.
Target:	Males only 18 YEARS - 69 YEARS

SXQ824 - # female vaginal sex partners/lifetime

Variable Name:	SXQ824
SAS Label:	# female vaginal sex partners/lifetime
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 1000	Range of Values	1605	1605	
2000	2000 or more	0	1605	
77777	Refused	11	1616	
99999	Don't know	7	1623	
.	Missing	3434	5057	

SXQ827 - # female vaginal sex partners/year

Variable Name:	SXQ827
SAS Label:	# female vaginal sex partners/year
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 150	Range of Values	1612	1612	
77777	Refused	4	1616	
99999	Don't know	6	1622	
.	Missing	3435	5057	

SXQ830 - CHECK ITEM

Variable Name:	SXQ830
English Instructions:	BOX 4 CHECK ITEM SXQ.830: IF SXQ.803 = 1, GO TO SXD.633. OTHERWISE, GO TO BOX 5.
Target:	Males only 18 YEARS - 69 YEARS

SXQ830 - CHECK ITEM

SXD633 - Age first performed oral sex on a woman

Variable Name:	SXD633
SAS Label:	Age first performed oral sex on a woman
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:	10 to 59

Code or Value	Value Description	Count	Cumulative	Skip to Item
10 to 56	Range of Values	1563	1563	
9	9 years or younger	17	1580	
77	Refused	6	1586	
99	Don't know	2	1588	
.	Missing	3469	5057	

SXQ636 - # female performed oral sex/lifetime

Variable Name:	SXQ636
SAS Label:	# female performed oral sex/lifetime
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 350	Range of Values	1578	1578	
77777	Refused	6	1584	
99999	Don't know	4	1588	
.	Missing	3469	5057	

SXQ639 - # female performed oral sex/year

Variable Name:	SXQ639
SAS Label:	# female performed oral sex/year
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 25	Range of Values	1585	1585	
77777	Refused	2	1587	
99999	Don't know	1	1588	
.	Missing	3469	5057	

SXQ868 - CHECK ITEM

Variable Name:	SXQ868
English Instructions:	BOX 4B CHECK ITEM SXQ.868: IF SP HAD ONLY 1 LIFETIME ORAL SEX PARTNER (CODED '1') IN SXQ.636, GO TO BOX 5. OTHERWISE CONTINUE.
Target:	Males only 18 YEARS - 69 YEARS

SXD642 - Performed oral sex new female (days)

Variable Name:	SXD642
SAS Label:	Performed oral sex new female (days)
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	1178	1178	
77777	Refused	5	1183	
99999	Don't know	11	1194	
.	Missing	3863	5057	

SXQ833 - CHECK ITEM

Variable Name:	SXQ833
English Instructions:	BOX 5 CHECK ITEM SXQ.833: IF SXQ.809 = 1, GO TO SXQ.410. OTHERWISE, GO TO BOX 9.
Target:	Males only 18 YEARS - 69 YEARS

SXQ410 - # men anal/oral sex partners/lifetime

Variable Name:	SXQ410
SAS Label:	# men anal/oral sex partners/lifetime
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
1 to 500	Range of Values	115	115	
77777	Refused	0	115	
99999	Don't know	0	115	
.	Missing	4942	5057	

SXQ875 - CHECK ITEM

Variable Name:	SXQ875
English Instructions:	BOX 5B CHECK ITEM SXQ.875: IF SP IS 60-69 YEARS, GO TO SXQ.836. OTHERWISE, CONTINUE WITH SXQ.550.
Target:	Males only 18 YEARS - 69 YEARS

SXQ550 - # men anal/oral sex partners/year

Variable Name:	SXQ550
SAS Label:	# men anal/oral sex partners/year
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 50	Range of Values	96	96	
77777	Refused	0	96	
99999	Don't know	0	96	
.	Missing	4961	5057	

SXQ836 - # men anal sex partners/lifetime

Variable Name:	SXQ836
SAS Label:	# men anal sex partners/lifetime
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 400	Range of Values	115	115	
77777	Refused	0	115	
99999	Don't know	0	115	
.	Missing	4942	5057	

SXQ839 - CHECK ITEM

Variable Name:	SXQ839
English Instructions:	BOX 6 CHECK ITEM SXQ.839: IF SP IS 60-69 YEARS, GO TO SXQ.853. IF SP HAD NO ANAL SEX PARTNERS (CODED '0000' IN SXQ.836), GO TO SXQ.853. OTHERWISE, CONTINUE WITH SXQ.841.
Target:	Males only 18 YEARS - 69 YEARS

SXQ841 - # men anal sex partners/year

Variable Name:	SXQ841
SAS Label:	# men anal sex partners/year
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 48	Range of Values	74	74	
77777	Refused	0	74	
99999	Don't know	0	74	
.	Missing	4983	5057	

SXQ853 - Ever performed oral sex on a man

Variable Name:	SXQ853
SAS Label:	Ever performed oral sex on a man
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	93	93	
2	No	22	115	
7	Refused	0	115	
9	Don't know	0	115	
.	Missing	4942	5057	

SXD847 - CHECK ITEM

Variable Name:	SXD847
English Instructions:	BOX 7 CHECK ITEM SXQ.847: IF SP NEVER HAD ORAL MALE PARTNER (CODED '2', '7', OR '9') IN SXQ.853 AND SP IS 60-69 YEARS, GO TO END OF SECTION. IF SP NEVER HAD ORAL MALE PARTNER (CODED '2', '7', OR '9') IN SXQ.853 AND SP IS 14-59 YEARS, GO TO BOX 9A. OTHERWISE, CONTINUE WITH SXD621.
Target:	Males only 18 YEARS - 69 YEARS

SXD621 - How old when first had oral sex

Variable Name:	SXD621
SAS Label:	How old when first had oral sex
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:	10 to 69

Code or Value	Value Description	Count	Cumulative	Skip to Item
10 to 53	Range of Values	1554	1554	
9	9 years or younger	21	1575	
77	Refused	6	1581	
99	Don't know	1	1582	
.	Missing	3475	5057	

SXD621 - How old when first had oral sex

SXQ624 - # male oral sex partners/lifetime

Variable Name: SXQ624

SAS Label: # male oral sex partners/lifetime

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 500	Range of Values	1573	1573	
77777	Refused	7	1580	
99999	Don't know	2	1582	
.	Missing	3475	5057	

SXQ850 - CHECK ITEM

Variable Name:	SXQ850
English Instructions:	BOX 8 CHECK ITEM SXQ.850: IF SP 60-69 YEARS, GO TO END OF SECTION. IF SXQ.800, SXQ.803, SXQ.806, AND SXQ.809 = 2, 7, OR 9, GO TO SXQ.280. OTHERWISE, CONTINUE WITH SXQ.627.
Target:	Males only 18 YEARS - 69 YEARS

SXQ627 - # male oral sex partners/year

Variable Name:	SXQ627
SAS Label:	# male oral sex partners/year
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 20	Range of Values	1565	1565	
77777	Refused	4	1569	
99999	Don't know	0	1569	
.	Missing	3488	5057	

SXQ765 - CHECK ITEM

Variable Name:	SXQ765
English Instructions:	BOX 5 CHECK ITEM SXQ.765: IF SP HAD ONLY 1 LIFETIME ORAL SEX PARTNER (CODED '1') IN SXQ.624, 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 SXQ.865: IF SP HAD ONLY 1 LIFETIME MALE ORAL SEX PARTNER (CODED '1') IN SXQ.624, GO TO BOX 9A. OTHERWISE CONTINUE.
Target:	Males only 18 YEARS - 69 YEARS

SXD630 - Last performed oral sex new male (days)

Variable Name:	SXD630
SAS Label:	Last performed oral sex new male (days)
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 14610	Range of Values	1083	1083	
77777	Refused	6	1089	
99999	Don't know	8	1097	
.	Missing	3960	5057	

SXD844 - CHECK ITEM

Variable Name:	SXD844
English Instructions:	BOX 9A CHECK ITEM SXQ.844: IF SP DID NOT HAVE A PARTNER IN PAST 12 MONTHS (SXQ.627, SXQ.639, SXD510, SXQ.827, AND SXQ.841 CODED '0000' OR MISSING), GO TO SXQ.260. IF SXQ.809 = 1 AND SXQ.800, SXQ.803, OR SXQ.806 = 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 SXQ.744: IF SP DID NOT HAVE A PARTNER IN PAST 12 MONTHS (SXD450, SXQ.727, SXQ.627, SXQ639, AND SXQ490 CODED '0000' OR MISSING), GO TO SXQ.260. IF SXQ.709 = 1 AND SXQ.700, SXQ.703, OR SXQ.706 = 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 SXQ.845: IF SP HAD ORAL SEX PARTNER IN PAST 12 MONTHS (SXQ.627 OR SXQ.639 GREATER THAN '0000'), GO TO SXQ.645. OTHERWISE, GO TO BOX 9B.
Target:	Males only 18 YEARS - 69 YEARS

SXQ645 - Use protection when performing oral sex

Variable Name:	SXQ645
SAS Label:	Use protection when performing oral sex
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	1815	1815	
2	Rarely	130	1945	
3	Usually	100	2045	
4	Always	156	2201	
5	Unsure	50	2251	
7	Refused	1	2252	
9	Don't know	1	2253	
.	Missing	2804	5057	

SXD871 - CHECK ITEM

Variable Name:	SXD871
English Instructions:	BOX 9B CHECK ITEM SXQ.871: IF SXD510, SXQ.841, OR SXQ.827 GREATER THAN '0000', GO TO SXQ.648. OTHERWISE, GO TO BOX 11.
Target:	Males only 18 YEARS - 69 YEARS

SXQ648 - Had sex with new partner/year

Variable Name:	SXQ648
SAS Label:	Had sex with new partner/year
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	590	590	
2	No	2442	3032	
7	Refused	1	3033	
9	Don't know	0	3033	
.	Missing	2024	5057	

SXQ859 - CHECK ITEM

Variable Name:	SXQ859
English Instructions:	BOX 10A CHECK ITEM SXQ.859: IF SXQ.800, SXQ.806, AND SXQ.809 NOT EQUAL TO '1', GO TO BOX 11. OTHERWISE, GO TO SXQ.610.
Target:	Males only 18 YEARS - 69 YEARS

SXQ610 - # times had vaginal or anal sex/year

Variable Name:	SXQ610
SAS Label:	# times had vaginal or anal sex/year
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	95	95	
1	Once	135	230	
2	2-11 times	706	936	
3	12-51 times	1016	1952	
4	52-103 times	632	2584	
5	104-364 times	381	2965	
6	365 times or more	43	3008	
77	Refused	6	3014	
99	Don't know	7	3021	
.	Missing	2036	5057	

SXD245 - CHECK ITEM

Variable Name:	SXD245
English Instructions:	BOX 10 CHECK ITEM SXD.245: IF SP DID NOT HAVE VAGINAL OR ANAL SEX (CODED '0') IN SXQ.610, GO TO BOX 11. OTHERWISE, CONTINUE WITH SXQ.251.
Target:	Males only 18 YEARS - 69 YEARS

SXQ251 - # times had sex without condom/year

Variable Name:	SXQ251
SAS Label:	# times had sex without condom/year
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	741	741	
2	Less than half of the time	403	1144	
3	About half of the time	176	1320	
4	Not always, but more than half of the time	252	1572	
5	Always	1346	2918	
7	Refused	7	2925	
9	Don't know	1	2926	
.	Missing	2131	5057	

SXD856 - CHECK ITEM

Variable Name:	SXD856
English Instructions:	BOX 11 CHECK ITEM SXQ.856: IF SP 14-29 YEARS AND IF SP HAD PARTNER IN PAST 12 MONTHS (SXQ.627, SXQ.639, SXD510, SXQ.827, OR SXQ.841 GREATER THAN '0000'), GO TO SXQ590. OTHERWISE, GO TO SXQ.260.
Target:	Males only 18 YEARS - 69 YEARS

SXQ590 - # sex partners five years older/year

Variable Name:	SXQ590
SAS Label:	# sex partners five years older/year
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 10	Range of Values	927	927	
77777	Refused	1	928	
99999	Don't know	2	930	
.	Missing	4127	5057	

SXQ600 - # sex partners five years younger/year

Variable Name:	SXQ600
SAS Label:	# sex partners five years younger/year
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 25	Range of Values	929	929	
77777	Refused	0	929	
99999	Don't know	1	930	
.	Missing	4127	5057	

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 14-59 YEARS OLD THEN GO TO SXQ753.
Target:	Females only 18 YEARS - 69 YEARS

SXD101 - # male sex partners/lifetime

Variable Name:	SXD101
SAS Label:	# male sex partners/lifetime
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 500	Range of Values	2321	2321	
2000	2000 or more	0	2321	
77777	Refused	14	2335	
99999	Don't know	4	2339	
.	Missing	2718	5057	

SXD715 - CHECK ITEM

Variable Name:	SXD715
English Instructions:	BOX 2 CHECK ITEM SXQ.715: IF SP 60-69 YEARS, GO TO END OF SECTION. OTHERWISE, GO TO SXD450.
Target:	Females only 14 YEARS - 69 YEARS

SXD450 - # male sex partners/year

Variable Name:	SXD450
SAS Label:	# male sex partners/year
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	1895	1895	
77777	Refused	7	1902	
99999	Don't know	0	1902	
.	Missing	3155	5057	

SXQ721 - CHECK ITEM

Variable Name:	SXQ721
English Instructions:	BOX 3 CHECK ITEM SXQ.721: IF SXQ.700 = 1, GO TO SXQ.724. OTHERWISE, GO TO BOX 4.
Target:	Females only 18 YEARS - 69 YEARS

SXQ724 - # male vaginal sex partners/lifetime

| | | | | | 65/100 |

Variable Name: SXQ724

SAS Label: # male vaginal sex partners/lifetime

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 500	Range of Values	1769	1769	
77777	Refused	9	1778	
99999	Don't know	1	1779	
.	Missing	3278	5057	

SXQ727 - # male vaginal sex partners/year

Variable Name:	SXQ727
SAS Label:	# male vaginal sex partners/year
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	1769	1769	
77777	Refused	9	1778	
99999	Don't know	1	1779	
.	Missing	3278	5057	

SXQ730 - CHECK ITEM

Variable Name:	SXQ730
English Instructions:	BOX 4 CHECK ITEM SXQ.730: IF SXQ.703 = 1, GO TO SXQ.621. OTHERWISE, GO TO BOX 6.
Target:	Females only 18 YEARS - 69 YEARS

SXD733 - CHECK ITEM

Variable Name:	SXD733
English Instructions:	BOX 6 CHECK ITEM SXQ.733: IF SXQ.709 = 1, GO TO SXQ130. OTHERWISE, GO TO BOX 7.
Target:	Females only 18 YEARS - 69 YEARS

SXQ130 - # female sex partners/lifetime

Variable Name:	SXQ130
SAS Label:	# female sex partners/lifetime
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 100	Range of Values	192	192	
77777	Refused	0	192	
99999	Don't know	0	192	
.	Missing	4865	5057	

SXQ490 - # female sex partners/year

Variable Name:	SXQ490
SAS Label:	# female sex partners/year
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 7	Range of Values	191	191	
77777	Refused	1	192	
99999	Don't know	0	192	
.	Missing	4865	5057	

SXQ741 - Ever performed oral sex on a woman

Variable Name:	SXQ741
SAS Label:	Ever performed oral sex on a woman
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	36	192	
7	Refused	0	192	
9	Don't know	0	192	
.	Missing	4865	5057	

SXQ768 - CHECK ITEM

Variable Name:	SXQ768
English Instructions:	BOX 6B CHECK ITEM SXQ.768: IF SP HAD ONLY 1 LIFETIME ORAL SEX PARTNER (CODED '1') IN SXQ.636, 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 SXQ.747: IF SP HAD ORAL SEX PARTNER IN PAST 12 MONTHS (SXQ.627 OR SXQ.639 GREATER THAN '0000'), THEN GO TO SXQ.645. OTHERWISE, GO TO BOX 7B.
Target:	Females only 18 YEARS - 69 YEARS

SXD771 - CHECK ITEM

Variable Name:	SXD771
English Instructions:	BOX 7B CHECK ITEM SXQ.771: IF SXD450, SXQ.727, OR SXQ490 GREATER THAN '0000', GO TO SXQ.648. OTHERWISE, GO TO BOX 9.
Target:	Females only 18 YEARS - 69 YEARS

SXQ759 - CHECK ITEM

Variable Name:	SXQ759
English Instructions:	BOX 8A CHECK ITEM SXQ.759: IF SXQ.700 OR SXQ.706 = 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 SXQ.750: IF SP 14-29 YEARS AND IF SP HAD PARTNER IN PAST 12 MONTHS (SXD450, SXQ.727, SXQ.627, SXQ.639, OR SXQ490 GREATER THAN '0000'), GO TO SXQ590. OTHERWISE CONTINUE.
Target:	Females only 18 YEARS - 69 YEARS

SXQ753 - Ever told by doctor, you had HPV

Variable Name:	SXQ753
SAS Label:	Ever told by doctor, you had HPV
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	160	160	
2	No	1634	1794	
7	Refused	3	1797	
9	Don't know	1	1798	
.	Missing	3259	5057	

SXQ260 - Doctor ever told you had genital herpes

Variable Name:	SXQ260
SAS Label:	Doctor ever told you had genital herpes
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	127	127	
2	No	3348	3475	
7	Refused	4	3479	
9	Don't know	1	3480	
.	Missing	1577	5057	

SXQ265 - Doctor ever told you had genital warts

Variable Name:	SXQ265
SAS Label:	Doctor ever told you had genital warts
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	127	127	
2	No	3349	3476	SXQ270
7	Refused	4	3480	SXQ270
9	Don't know	0	3480	SXQ270
.	Missing	1577	5057	

SXQ267 - Age when told you had genital warts

Variable Name:	SXQ267
SAS Label:	Age when told you had genital warts
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
0 to 50	Range of Values	127	127	
77	Refused	0	127	
99	Don't know	0	127	
.	Missing	4930	5057	

SXQ270 - Doctor ever told you had gonorrhea

Variable Name:	SXQ270
SAS Label:	Doctor ever told you had gonorrhea
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	9	9	
2	No	3467	3476	
7	Refused	4	3480	
9	Don't know	0	3480	
.	Missing	1577	5057	

SXQ272 - Doctor ever told you had chlamydia

Variable Name:	SXQ272
SAS Label:	Doctor ever told you had chlamydia
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	45	45	
2	No	3430	3475	
7	Refused	4	3479	
9	Don't know	1	3480	
.	Missing	1577	5057	

SXQ280 - Are you circumcised or uncircumcised

Variable Name:	SXQ280
SAS Label:	Are you circumcised or uncircumcised
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	1174	1174	
2	Uncircumcised	503	1677	
7	Refused	4	1681	
9	Don't know	1	1682	
.	Missing	3375	5057	

SXQ292 - Describe sexual orientation (male)

Variable Name:	SXQ292
SAS Label:	Describe sexual orientation (male)
English Text:	Do you think of yourself as...
Target:	Males only 18 YEARS - 59 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Heterosexual or straight (attracted to women)	1687	1687	
2	Homosexual or gay (attracted to men)	40	1727	
3	Bisexual (attracted to men and women)	25	1752	
4	Something else	10	1762	
5	Not sure	10	1772	
7	Refused	7	1779	
9	Don't know	11	1790	
.	Missing	3267	5057	

SXQ756 - CHECK ITEM

Variable Name:	SXQ756
English Instructions:	BOX 11 CHECK ITEM SXQ.756: IF SP 18-59 YEARS, GO TO SXQ.294. OTHERWISE, GO TO END OF SECTION.
Target:	Females only 18 YEARS - 69 YEARS

SXQ294 - Describe sexual orientation (female)

Variable Name:	SXQ294
SAS Label:	Describe sexual orientation (female)
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	Heterosexual or straight (attracted to men)	1707	1707	
2	Homosexual or lesbian (attracted to women)	23	1730	
3	Bisexual (attracted to men and women)	101	1831	
4	Something else	17	1848	
5	Not sure	38	1886	
7	Refused	6	1892	
9	Don't know	7	1899	
.	Missing	3158	5057	

Appendix 1. Sexual Behavior (SXQ) Data for Males in NHANES 2003-2014 Release Files

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2014 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	2009-2014 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	2009-2014 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	**SXQ633*** 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	**SXQ642*** 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	2009-2014 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	**SXQ621** 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	2009-2014 Variable name/Question
	Not included	Not included	Not included	**SXQ630*** 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	2009-2014 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?
Sexual orientation	**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…
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.

Appendix 2. Sexual Behavior (SXQ) Data for Females in NHANES 2003-2014 Release Files

	2003-2004 Variable name/Question	2005-2006 Variable name/Question	2007-2008† Variable name/Question	2009-2014 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	2009-2014 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 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	2009-2014 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	**SXQ621*** 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	**SXQ630*** 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	2009-2014 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	**SXQ633*** 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	**SXQ642*** 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?	**SXQ610€*** 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**	**2009-2014 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	2009-2014 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 orientation	**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…
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.
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*	Target age: 14-59 year olds.
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#	Target age: 18-59 year olds.
‡	Question was added in 2013-2014.