National Health and Nutrition Examination Survey

2017-March 2020 Data Documentation, Codebook, and Frequencies

Kidney Conditions - Urology (P_KIQ_U)

Data File: P_KIQ_U.xpt

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Component Description

The NHANES program suspended field operations in March 2020 due to the coronavirus disease 2019 (COVID-19) pandemic. As a result, data collection for the NHANES 2019-2020 cycle was not completed and the collected data are not nationally representative. Therefore, data collected from 2019 to March 2020 were combined with data from the NHANES 2017-2018 cycle to form a nationally representative sample of NHANES 2017-March 2020 pre-pandemic data. These data are available to the public. Please refer to the Analytic Notes section for more details on the use of the data.

The Kidney Conditions – Urology File (variable name prefix P_KIQ_U) provides personal interview data on kidney disease, kidney stones, urinary incontinence, and nocturia.

Eligible Sample

All participants aged 20 years and older in the NHANES 2017-March 2020 pre-pandemic sample were eligible.

Interview Setting and Mode of Administration

Questions on kidney disease, dialysis, kidney stones, and passing a kidney stone (KIQ022, KIQ025, KIQ026, KID029) were asked in the home, by trained interviewers, using the Computer-Assisted Personal Interview (CAPI) system.

Questions on urinary incontinence (KIQ005, KIQ010, KIQ042, KIQ430, KIQ044, KIQ450, KIQ046, KIQ470, KIQ050, KIQ052) and nocturia (KIQ480) were asked at the Mobile Examination Center, by trained interviewers, using the CAPI system as part of the MEC interview. Both proxy interviewers and interpreters were permitted for these questions.

For details on the administration of the P_KIQ_U section, please refer to the 2017-2018 and 2019-2020 kidney questionnaires on the NHANES website.

Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

Data Processing and Editing

Frequency counts were verified during the preparation of the file.

Analytic Notes

The COVID-19 pandemic required suspension of NHANES 2019-2020 field operations in March 2020 after data were collected in 18 of the 30 survey locations in the 2019-2020 sample. Because the collected data from 18 locations were not nationally representative, these data were combined with data from the previous cycle (2017-2018) to create a 2017-March 2020 pre-pandemic data file. The resulting sample weights in the

demographic file should be used to calculate estimates from the combined cycles. These sample weights are not appropriate for independent analyses of the 2019-2020 data and will not yield nationally representative results for either the 2017-2018 data alone or the 2019-March 2020 data alone. Please refer to the NHANES website for additional information for the NHANES 2017-March 2020 pre-pandemic data, and for the previous 2017-2018 public use data file with specific weights for that 2-year cycle.

Incontinence Severity Index

Questions KIQ.005 "How often do you have urinary leakage? Would you say …" and KIQ.010 "How much urine do you lose each time? Would you say…" comprise the Incontinence Severity Index (Sandvik, 2000). This index, based on information about frequency in four levels and amount of leakage in three levels, can be multiplied to obtain an index value (1-12). The four-level severity index is based on the following index values: 1-2, slight; 3-6, moderate; 8-9, severe; 10-12, very severe.

Missing data

Although KIQ005 – KIQ480 were targeted to all participants 20 years and older, data for these questions are missing for 13% of participants who completed the household interview but did not complete the MEC CAPI interview.

Appropriate sample weights

Interview weight: KIQ022- KIQ029
Examination weight: KIQ005-KIQ480

The interview weight should be used when an analysis uses data only from the household interview. If an analysis uses data from the MEC (MEC interview, examination, or laboratory data) exclusively, or in conjunction with the household interview data, the examination weight should be used.

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

- Sandvik H, Seim A, Vanvik A, Hunskaar S. A severity index for epidemiological surveys of female urinary incontinence: comparison with 48-hour pad-weighing tests. Neurourol Urodyn 2000; 19: 137-145.

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 20 YEARS - 150 YEARS

KIQ022 - Ever told you had weak/failing kidneys?

Variable Name: KIQ022

SAS Label: Ever told you had weak/failing kidneys?

English Text: {Have you/Has SP} ever been told by a doctor or other health professional that {you/s/he} had weak or failing kidneys? Do not include kidney stones, bladder infections, or incontinence.

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	383	383	
2	No	8834	9217	KIQ026
7	Refused	0	9217	KIQ026
9	Don't know	15	9232	KIQ026
.	Missing	0	9232	

KIQ025 - Received dialysis in past 12 months?

Variable Name:	KIQ025
SAS Label:	Received dialysis in past 12 months?
English Text:	In the past 12 months, {have you/has SP} received dialysis (either hemodialysis or peritoneal dialysis)?
Target:	Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	39	39	
2	No	344	383	
7	Refused	0	383	
9	Don't know	0	383	
.	Missing	8849	9232	

KIQ026 - Ever had kidney stones?

Variable Name: KIQ026

SAS Label: Ever had kidney stones?

English Text: {Have you/Has SP} ever had kidney stones?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	866	866	
2	No	8342	9208	KIQ005
7	Refused	0	9208	KIQ005
9	Don't know	24	9232	KIQ005
.	Missing	0	9232	

KIQ029 - Pass kidney stone in past 12 months?

Variable Name: KIQ029

SAS Label: Pass kidney stone in past 12 months?

English Text: In the past 12 months {have you/has SP} passed a kidney stone?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	141	141	
2	No	710	851	
7	Refused	0	851	
9	Don't know	15	866	
.	Missing	8366	9232	

KIQ005 - How often have urinary leakage?

Variable Name:	KIQ005
SAS Label:	How often have urinary leakage?
English Text:	Many people have leakage of urine. The next few questions ask about urine leakage. How often {do you/does SP} have urinary leakage? Would {you/s/he} say . . .
English Instructions:	CAPI INSTRUCTION: HELP SCREEN: Other terms for urinary leakage are not being able to hold your urine until you can reach a toilet, not being able to control your bladder, loss of urine control.
Target:	Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Never	5105	5105	KIQ042
2	Less than once a month	893	5998	
3	A few times a month	818	6816	
4	A few times a week	541	7357	
5	Every day and/or night	599	7956	
7	Refused	4	7960	KIQ042
9	Don't know	9	7969	KIQ042
.	Missing	1263	9232	

KIQ010 - How much urine lose each time?

Variable Name: KIQ010

SAS Label: How much urine lose each time?

English Text: How much urine {do you/does SP} lose each time? Would {you/s/he} say . . .

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Drops	1935	1935	
2	Small splashes	613	2548	
3	More	298	2846	
7	Refused	2	2848	
9	Don't know	3	2851	
.	Missing	6381	9232	

KIQ042 - Leak urine during physical activities?

Variable Name: KIQ042

SAS Label: Leak urine during physical activities?

English Text: During the past 12 months, {have you/has SP} leaked or lost control of even a small amount of urine with an activity like coughing, lifting or exercise?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1970	1970	
2	No	5985	7955	KIQ044
7	Refused	4	7959	KIQ044
9	Don't know	9	7968	KIQ044
.	Missing	1264	9232	

KIQ430 - How frequently does this occur?

Variable Name: KIQ430

SAS Label: How frequently does this occur?

English Text: How frequently does this occur? Would {you/s/he} say this occurs . . .

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Less than once a month	829	829	
2	A few times a month	581	1410	
3	A few times a week	311	1721	
4	Every day and/or night	245	1966	
7	Refused	2	1968	
9	Don't know	0	1968	
.	Missing	7264	9232	

KIQ044 - Urinated before reaching the toilet?

Variable Name: KIQ044

SAS Label: Urinated before reaching the toilet?

English Text: During the past 12 months, {have you/has SP} leaked or lost control of even a small amount of urine with an urge or pressure to urinate and {you/he/she} couldn't get to the toilet fast enough?`

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	2145	2145	
2	No	5808	7953	KIQ046
7	Refused	5	7958	KIQ046
9	Don't know	9	7967	KIQ046
.	Missing	1265	9232	

KIQ450 - How frequently does this occur?

Variable Name: KIQ450

SAS Label: How frequently does this occur?

English Text: How frequently does this occur? Would {you/s/he} say this occurs. . .

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Less than once a month	932	932	
2	A few times a month	633	1565	
3	A few times a week	382	1947	
4	Every day and/or night	196	2143	
7	Refused	0	2143	
9	Don't know	2	2145	
.	Missing	7087	9232	

KIQ046 - Leak urine during nonphysical activities

Variable Name: KIQ046

SAS Label: Leak urine during nonphysical activities

English Text: During the past 12 months, {have you/has SP} leaked or lost control of even a small amount of urine without an activity like coughing, lifting, or exercise, or an urge to urinate?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	772	772	
2	No	7178	7950	KIQ048A
7	Refused	5	7955	KIQ048A
9	Don't know	11	7966	KIQ048A
.	Missing	1266	9232	

KIQ470 - How frequently does this occur?

Variable Name: KIQ470

SAS Label: How frequently does this occur?

English Text: How frequently does this occur? Would {you/s/he} say this occurs . . .

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Less than once a month	244	244	
2	A few times a month	199	443	
3	A few times a week	154	597	
4	Every day and/or night	174	771	
7	Refused	0	771	
9	Don't know	1	772	
.	Missing	8460	9232	

KIQ048A - CHECK ITEM

Variable Name:	KIQ048A
English Instructions:	BOX 1. CHECK ITEM: IF 'YES' (CODE '1') IN KIQ042 OR KIQ044 OR KIQ046, CONTINUE WITH KIQ050. OTHERWISE, GO TO KIQ480.
Target:	Both males and females 20 YEARS - 150 YEARS

KIQ050 - How much did urine leakage bother you?

Variable Name: KIQ050

SAS Label: How much did urine leakage bother you?

English Text: During the past 12 months, how much did {your/her/his} leakage of urine bother {you/her/him}? Please select one of the following choices:

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Not at all	1137	1137	
2	Only a little	1091	2228	
3	Somewhat	613	2841	
4	Very much	269	3110	
5	Greatly	227	3337	
7	Refused	1	3338	
9	Don't know	1	3339	
.	Missing	5893	9232	

KIQ052 - How much were daily activities affected?

Variable Name: KIQ052

SAS Label: How much were daily activities affected?

English Text: During the past 12 months, how much did {your/her/his} leakage of urine affect {your/her/his} day-to-day activities? Please select one of the following choices:

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Not at all	2297	2297	
2	Only a little	601	2898	
3	Somewhat	285	3183	
4	Very much	96	3279	
5	Greatly	58	3337	
7	Refused	2	3339	
9	Don't know	0	3339	
.	Missing	5893	9232	

KIQ480 - How many times urinate in night?

Variable Name: KIQ480

SAS Label: How many times urinate in night?

English Text: During the past 30 days, how many times per night did {you/SP} most typically get up to urinate, from the time {you/s/he} went to bed at night until the time {you/he/she} got up in the morning. Would {you/s/he} say

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	0	2130	2130	
1	1	2970	5100	
2	2	1568	6668	
3	3	814	7482	
4	4	241	7723	
5	5 or more	228	7951	
7	Refused	1	7952	
9	Don't know	14	7966	
.	Missing	1266	9232	