National Health and Nutrition Examination Survey

August 2021-August 2023 Data Documentation, Codebook, and Frequencies

Kidney Conditions - Urology (KIQ_U_L)

Data File: KIQ_U_L.xpt

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Last Revised: NA

Component Description

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

Eligible Sample

All participants aged 20 years and older in the August 2021-August 2023 sample were eligible.

Interview Setting and Mode of Administration

Kidney disease and dialysis questions (i.e., KIQ022 and KIQ025) were asked by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system in the participant's home or by telephone. Questions on urinary incontinence (i.e., KIQ005, KIQ010, KIQ042, KIQ044, KIQ052) and nocturia (i.e., KIQ481) were self-administered at the Mobile Examination Center (MEC) using the Audio Computer-Assisted Self-Interview (ACASI) system as part of the MEC interview.

For details on the administration of the KIQ_U_L section, please refer to the August 2021-August 2023 kidney conditions (household interview) and kidney (MEC ACASI) questionnaires on the NHANES website.

Quality Assurance & Quality Control

The CAPI and ACASI systems are programmed with built-in consistency checks to reduce data entry errors. Both systems also use online help screens to assist interviewers and participants in defining key terms used in the questionnaires.

Data Processing and Editing

The data were edited for completeness, consistency, and illogical values. Because the data are based on self-reports, not all inconsistencies could be resolved. It is recommended that analysts review the data carefully prior to analysis.

Analytic Notes

Incontinence Severity Index

Questions KIQ.005 "How often do you have urinary leakage?" and KIQ.010 "How much urine do you lose each time?" 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.

Appropriate sample weights

Interview weight: KIQ022, KIQ025
Examination weight: KIQ005, KIQ010, KIQ042, KIQ044, KIQ052, KIQ481

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

The NHANES kidney conditions-urology questions for participants aged 20 and older did not change between the 2017-March 2020 and August 2021-August 2023 data collection cycles except for a wording modification to KIQ480 (note: now appears as KIQ481 in the August 2021-August 2023 cycle). KIQ026, KIQ029, KIQ0430, KIQ450, KIQ046, KIQ470, and KIQ050 were removed in the August 2021-August 2023 cycle.

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/SP} 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	321	321	
2	No	7473	7794	KIQ005
7	Refused	0	7794	KIQ005
9	Don't know	13	7807	KIQ005
.	Missing	2	7809	

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	23	23	
2	No	298	321	
7	Refused	0	321	
9	Don't know	0	321	
.	Missing	7488	7809	

KIQ005 - How often have urinary leakage?

Variable Name: KIQ005

SAS Label: How often have urinary leakage?

English Text: The next few questions ask about urine leakage. Many people have leakage of urine. How often do you have urinary leakage?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Never	2877	2877	KIQ042
2	Less than once a month	813	3690	
3	A few times a month	551	4241	
4	A few times a week	552	4793	
5	Every day and/or night	410	5203	
7	Refused	3	5206	KIQ042
9	Don't know	2	5208	KIQ042
.	Missing	2601	7809	

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 lose each time?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Drops	1586	1586	
2	Small splashes	589	2175	
3	More	146	2321	
7	Refused	0	2321	
9	Don't know	3	2324	
.	Missing	5485	7809	

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 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	1737	1737	
2	No	3461	5198	
7	Refused	0	5198	
9	Don't know	3	5201	
.	Missing	2608	7809	

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 leaked or lost control of even a small amount of urine with an urge or pressure to urinate and you 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	1863	1863	
2	No	3326	5189	
7	Refused	1	5190	
9	Don't know	3	5193	
.	Missing	2616	7809	

KIQ048A - CHECK ITEM

Variable Name:	KIQ048A
English Instructions:	BOX 1. CHECK ITEM: IF 'YES' (CODE '1') IN KIQ042 OR KIQ044, CONTINUE WITH KIQ052. OTHERWISE, GO TO KIQ481.
Target:	Both males and females 20 YEARS - 150 YEARS

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 leakage of urine affect your day-to-day activities?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Not at all	1406	1406	
2	Only a little	753	2159	
3	Somewhat	252	2411	
4	Very much	93	2504	
5	Greatly	35	2539	
7	Refused	2	2541	
9	Don't know	2	2543	
.	Missing	5266	7809	

KIQ481 - How many times wake up and urinate?

Variable Name: KIQ481

SAS Label: How many times wake up and urinate?

English Text: In the past 30 days, during a typical night, how many times did you wake up and urinate?

Target: Both males and females 20 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	0	1071	1071	
1	1	1985	3056	
2	2	1152	4208	
3	3	559	4767	
4	4	161	4928	
5	5 or more	253	5181	
7	Refused	1	5182	
9	Don't know	5	5187	
.	Missing	2622	7809	