Component Description

The NHANES 2013-2014 Kidney Conditions – Urology section provides personal interview data on kidney disease, kidney stones, urinary incontinence, and nocturia.

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.

Eligible Sample

Participants aged 20 years and older are eligible for this section.

Interview Setting and Mode of Administration

Questions on kidney disease, dialysis, kidney stones, and passing a kidney stone (KIQ022, KIQ025, KIQ026, KID028) were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. As previously done, KID.028 is a derived variable based on KIQ.028G, which records the participant’s report of passing kidney stone(s) and KIQ.028Q, which records the number of times that kidney stones were passed.

Questions on urinary incontinence (KIQ005, KIQ010, KIQ042, KIQ430, KIQ044, KIQ450, KIQ046, KIQ470, KIQ050, KIQ052) and nocturia (KIQ480) were asked, in the Mobile Examination Center (MEC), by trained interviewers using the CAPI system.

For details on the administration of the Kidney Conditions – Urology (KIQ\_U\_H) section, please refer to the NHANES 2013-2014 [Interviewer Procedure Manual](https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/manuals/Intrvwr_Proc_Manual.pdf), [MEC Interviewer Procedures Manual](https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/manuals/MEC_Interviewer_2013.pdf), and the Kidney Conditions Sample Person and CAPI 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.

 For details on the quality control/quality assurance process for this component, please refer to the NHANES 2013-2014 Interviewer Procedure Manuals available on the NHANES website.

Data Processing and Editing

Frequency counts were verified during the preparation of the file.

Analytic Notes

**Missing data**  
Although KIQ005 – KIQ480 were targeted to all participants 20 years and older, data for these questions are missing for nearly 12% of individuals who completed the household interview, but did not complete the MEC CAPI.

**Appropriate sample weights**  
Interview weight: KIQ022- KID028   
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](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) 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 | 187 | 187 |  |
| 2 | No | 5574 | 5761 | KIQ026 |
| 7 | Refused | 0 | 5761 | KIQ026 |
| 9 | Don't know | 8 | 5769 | KIQ026 |
| . | Missing | 0 | 5769 |  |

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 | 20 | 20 |  |
| 2 | No | 167 | 187 |  |
| 7 | Refused | 0 | 187 |  |
| 9 | Don't know | 0 | 187 |  |
| . | Missing | 5582 | 5769 |  |

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 | 535 | 535 |  |
| 2 | No | 5223 | 5758 | KIQ005 |
| 7 | Refused | 0 | 5758 | KIQ005 |
| 9 | Don't know | 11 | 5769 | KIQ005 |
| . | Missing | 0 | 5769 |  |

KID028 - How many times passed a kidney stone?

**Variable Name:**

KID028

**SAS Label:**

How many times passed a kidney stone?

**English Text:**

How many times {have you/has SP} passed a kidney stone?

**English Instructions:**

ENTER NUMBER OF TIMES

**Target:**

Both males and females 20 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 to 24 | Range of Values | 520 | 520 |  |
| 777 | Refused | 0 | 520 |  |
| 999 | Don't know | 15 | 535 |  |
| . | Missing | 5234 | 5769 |  |

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, | 3513 | 3513 | KIQ042 |
| 2 | less than once a month, | 463 | 3976 |  |
| 3 | a few times a month, | 526 | 4502 |  |
| 4 | a few times a week, or | 293 | 4795 |  |
| 5 | every day and/or night? | 295 | 5090 |  |
| 7 | Refused | 2 | 5092 | KIQ042 |
| 9 | Don't know | 4 | 5096 | KIQ042 |
| . | Missing | 673 | 5769 |  |

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, | 1057 | 1057 |  |
| 2 | small splashes, or | 341 | 1398 |  |
| 3 | more? | 170 | 1568 |  |
| 7 | Refused | 1 | 1569 |  |
| 9 | Don't know | 8 | 1577 |  |
| . | Missing | 4192 | 5769 |  |

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 | 1169 | 1169 |  |
| 2 | No | 3920 | 5089 | KIQ044 |
| 7 | Refused | 1 | 5090 | KIQ044 |
| 9 | Don't know | 6 | 5096 | KIQ044 |
| . | Missing | 673 | 5769 |  |

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, | 523 | 523 |  |
| 2 | a few times a month, | 350 | 873 |  |
| 3 | a few times a week, or | 188 | 1061 |  |
| 4 | every day and/or night? | 105 | 1166 |  |
| 7 | Refused | 0 | 1166 |  |
| 9 | Don't know | 3 | 1169 |  |
| . | Missing | 4600 | 5769 |  |

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 | 1087 | 1087 |  |
| 2 | No | 3998 | 5085 | KIQ046 |
| 7 | Refused | 1 | 5086 | KIQ046 |
| 9 | Don't know | 9 | 5095 | KIQ046 |
| . | Missing | 674 | 5769 |  |

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, | 459 | 459 |  |
| 2 | a few times a month, | 347 | 806 |  |
| 3 | a few times a week, or | 163 | 969 |  |
| 4 | every day and/or night? | 114 | 1083 |  |
| 7 | Refused | 0 | 1083 |  |
| 9 | Don't know | 4 | 1087 |  |
| . | Missing | 4682 | 5769 |  |

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 | 468 | 468 |  |
| 2 | No | 4620 | 5088 | KIQ048A |
| 7 | Refused | 1 | 5089 | KIQ048A |
| 9 | Don't know | 7 | 5096 | KIQ048A |
| . | Missing | 673 | 5769 |  |

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, | 134 | 134 |  |
| 2 | a few times a month, | 145 | 279 |  |
| 3 | a few times a week, or | 100 | 379 |  |
| 4 | every day and/or night? | 89 | 468 |  |
| 7 | Refused | 0 | 468 |  |
| 9 | Don't know | 0 | 468 |  |
| . | Missing | 5301 | 5769 |  |

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, | 574 | 574 |  |
| 2 | only a little, | 636 | 1210 |  |
| 3 | somewhat, | 326 | 1536 |  |
| 4 | very much, or | 179 | 1715 |  |
| 5 | greatly | 114 | 1829 |  |
| 7 | Refused | 0 | 1829 |  |
| 9 | Don't know | 1 | 1830 |  |
| . | Missing | 3939 | 5769 |  |

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, | 1201 | 1201 |  |
| 2 | only a little, | 394 | 1595 |  |
| 3 | somewhat, | 140 | 1735 |  |
| 4 | very much, or | 67 | 1802 |  |
| 5 | greatly | 27 | 1829 |  |
| 7 | Refused | 0 | 1829 |  |
| 9 | Don't know | 0 | 1829 |  |
| . | Missing | 3940 | 5769 |  |

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 | 1544 | 1544 |  |
| 1 | 1 | 1941 | 3485 |  |
| 2 | 2 | 947 | 4432 |  |
| 3 | 3 | 431 | 4863 |  |
| 4 | 4 | 123 | 4986 |  |
| 5 | 5 or more? | 106 | 5092 |  |
| 7 | Refused | 0 | 5092 |  |
| 9 | Don't know | 3 | 5095 |  |
| . | Missing | 674 | 5769 |  |