**Data dictionary:**

**SEQN:** Respondent sequence number.

**RIAGENDR:** Gender of the participant

**RIDAGEYR:** Age in years (Top rounded at 80 years.)

**RIDRETH3:** Recode of reported race and Hispanic origin information, with Non-Hispanic Asian Category

**INDFMPIR:** A ratio of family income to poverty guidelines.

**DR1TPROT:** Total protein intake

High protein strains kidneys; crucial to monitor for CKD progression

**DR1TSFAT:** Total saturated fatty acids

**DR1TMFAT:** Monounsaturated fatty acids

**DR1TPFAT:** Polyunsaturated fatty acids

High saturated fatty acids increase cardiovascular disease risk. Monounsaturated fats benefit heart health, managing cholesterol. Polyunsaturated fats reduce inflammation, aiding CKD.

**BPXDI1:** Diastolic: Blood pressure (first reading) mm Hg

**BPXDI2:** Diastolic: Blood pressure (second reading) mm Hg

**BPXDI3:** Diastolic: Blood pressure (third reading) mm Hg

**BPXDI4:** Diastolic: Blood pressure (fourth reading if necessary) mm Hg

Diastolic pressure is the pressure in the arteries when the heart rests between beats. High diastolic pressure can indicate hypertension, which is a significant risk factor for chronic kidney disease(CKD) and kidney failure.

**BPXSY1:** Systolic: Blood pressure (first reading) mm Hg

**BPXSY2:** Systolic: Blood pressure (second reading) mm Hg

**BPXSY3:** Systolic: Blood pressure (third reading) mm Hg

**BPXSY4:** Systolic: Blood pressure (fourth reading if necessary) mm Hg

Systolic pressure is the pressure in the arteries when the heart beats. High systolic

pressure is also a major risk factor for CKD and kidney failure

**BPXCHR:** 60 sec HR (30 sec HR \* 2)

60 sec Heart Rate: Heart rate can provide additional context on cardiovascular health. Abnormal heart rates might indicate underlying issues affecting both heart and kidney health.

**BPXPULS:** Pulse regular or irregular?

Irregular pulses might indicate arrhythmias or other cardiovascular conditions, which can

complicate kidney disease management

**BPXPLS:** 60 sec. pulse (30 sec. pulse \* 2)

60 sec pulse: Similar to BPXCHR, this measures the pulse rate and can indicate overall cardiovascular health.

**LBDSCRSI:** Creatinine (umol/L)

**LBDSBUSI:** Blood urea nitrogen (mmol/L)

**URXUCR:** Creatinine, urine (mg/dL)

**URDACT:** Albumin creatinine ratio (mg/g)

**LBDSALSI:** Albumin (g/L)

**LBXSBU:** Blood urea nitrogen (mg/dL)

**URDDCBLC:** 2,4-dichlorophenol comment

**URD14DLC:** 2,5-dichlorophenol comment

**LBXSCR:** Creatinine (mg/dL)

**RXDUSE:** In the past 30 days, have you used or taken medication for which a prescription is needed? Do not include prescription vitamins or minerals you may have already told me about.

**RXDDRUG:** Generic drug name. Prescription Medications

**RXDDRGID:** Generic drug code.

**RXDRSD1:** ICD-10-CM code 1 description.

**DIQ280:** Records the participant's last HbA1c level, which is a measure of average blood sugar control. Poor blood sugar control increases risk of kidney disease in diabetics.

**DIQ180:** Asks if the participant has had a blood test for high blood sugar or diabetes within the past 3 years. Diabetes is a major risk factor for kidney disease.

**DIQ010:** This variable indicates whether the participant has ever been diagnosed with diabetes or sugar diabetes by a doctor or health professional. Diabetes is a major risk factor for kidney failure

**BPQ030:** Told had hypertension on 2+ visits

**BPQ040A:** Told to take BP medication

**OSQ130:** Ever taken prednisone/cortisone for ≥1 month Long-term steroid use can be hard on the kidneys.

**KIQ022:** This variable indicates whether the respondent has been told by a health professional that they had weak or failing kidneys.

**KIQ025:** This variable captures whether the respondent received dialysis in the past 12 months, which is often necessary for kidney failure patients.

**KIQ026:** This variable indicates whether the respondent has ever had kidney stones, which can be a risk factor for kidney disease and failure.

**KID028:** This variable records how many times the respondent has passed a kidney stone.