

Characteristics	Without Kidney Stones (n= 9703)	With Kidney Stones (n= 1041)	P value
Age (year) (mean ± SD)	46.85 ± 16.71	52.95 ± 15.23	<0.0001
20-34 (%)	28.32	14.61	
35-49 (%)	28.5	23.35	
50-64 (%)	26.12	38.16	
≥65 (%)	17.06	23.88	
Poverty Income Ratio (mean ± SD)	2.99 ± 1.65	2.94 ± 1.61	0.3425
≤1.3 (%)	19.88	20.87	
>1.3 and ≤3.5 (%)	32.89	35.45	
>3.5 (%)	39.09	36.74	
Missing (%)	8.14	6.94	
Body Mass Index (kg/m²) (mean ± SD)	28.88 ± 6.77	30.31 ± 6.65	<0.0001
<25 (%)	30.77	20.18	
25-30 (%)	32.72	33.01	
≥30 (%)	36.51	46.81	
Urine Cobalt (ug/L) (mean ± SD)	0.53 ± 1.17	0.65 ± 2.01	0.0032
Gender (%)			<0.0001
Male	48.3	57.37	
Female	51.7	42.63	
Race (%)			<0.0001
Mexican American	9.08	5.5	
Other Hispanic	6.01	5.78	
Non-Hispanic white	64.93	75.63	
Non-Hispanic black	11.86	5.96	
Other races	8.12	7.13	
Education (%)			0.1725
Less than 9th grade	5.84	5.03	
9-11th grade	10.17	11.03	
High school graduate	23.2	25.04	
Some college	31.05	32.14	
College graduate or above	29.74	26.76	
Marital Status (%)			<0.0001
Married	53.93	62.43	
Widowed	5.51	5.84	
Divorced	10.02	14.19	
Separated	2.42	1.78	
Never married	19.26	9.75	
Living with a partner	8.86	6	

Smoking (%)			0.0006
<100 cigarettes in life	55.89	50.37	
≥100 cigarettes in life	44.11	49.63	
Alcohol (%)			0.1906
<12 drinks/year	16.84	17.17	
≥12 drinks/year	58.84	61.02	
Missing	24.32	21.81	
High Blood Pressure (%)			<0.0001
No	69.65	55.16	
Yes	30.35	44.84	
Diabetes (%)			<0.0001
No	89.18	76.83	
Yes	8.64	18.95	
Missing	2.18	4.22	
Congestive Heart Failure (%)			<0.0001
No	98.21	95.62	
Yes	1.79	4.38	
Cancer (%)			<0.0001
No	90.57	83.68	
Yes	9.43	16.32	
Gout (%)			<0.0001
No	96.17	92.86	
Yes	3.83	7.14	
Vigorous activity (%)			<0.0001
No	73.32	81.23	
Yes	26.68	18.77	
Moderate activity (%)			0.6179
No	54.49	55.97	
Yes	45.51	44.03	

For continuous variables, the t-test for slope was used in generalized linear models. Values are expressed as means+SE or %. SE=standard error; BMI = body mass index; PIR = Poverty Income Ratio; HBP = High Blood Pressure; CHF = Congestive Heart Failure.

Table 2: Characteristics of 10,744 participants in NHANES between 2007 and 2018