

Table 2. Associations between study variables and prevalent CKD.

Variables	CKD		
	Number	Univariate (OR, 95% CI)	Multivariable (AOR, 95% CI)
Blood lead, µg/dL	7104		
Q1 (≤0.6)		ref	ref
Q2 (>0.6–1.0)		1.84 (1.22–2.76)	0.73 (0.43–1.24)
Q3 (>1.0–1.6)		3.24 (2.14–4.89)	1.01 (0.57–1.78)
Q4 (>1.6)		4.20 (2.76–6.40)	1.01 (0.58–1.77)
Blood cadmium, µg/L	7104		
Q1 (≤0.2)		ref	ref
Q2 (>0.2–0.3)		2.47 (1.70–3.59)	1.49 (0.94–2.35)
Q3 (>0.3–0.6)		4.60 (3.34–6.32)	1.93 (1.25–3.00)
Q4 (>0.6)		3.23 (1.98–5.27)	2.79 (1.58–4.92)
Blood mercury, µg/L	7104		
Q1 (≤0.4)		ref	ref
Q2 (>0.4–0.8)		1.09 (0.81–1.48)	0.84 (0.58–1.22)
Q3 (>0.8–1.6)		1.38 (1.00–1.90)	1.11 (0.75–1.63)
Q4 (>1.6)		1.12 (0.79–1.59)	0.77 (0.49–1.20)
Urine arsenic, µg/g creatinine	3278		
Q1 (≤3.7)		ref	ref
Q2 (>3.7–6.5)		1.22 (0.73–2.03)	1.13 (0.64–2.01)
Q3 (>6.5–14.3)		1.24 (0.71–2.17)	0.93 (0.47–1.87)
Q4 (>14.3)		1.43 (0.80–2.55)	0.74 (0.38–1.46)
Plasma selenium, µg/L	7104		
Q1 (≤176.8)		ref	ref
Q2 (>176.8–191.4)		0.58 (0.40–0.84)	0.57 (0.36–0.90)
Q3 (>191.4–207.1)		0.51 (0.35–0.75)	0.58 (0.36–0.93)
Q4 (>207.1)		0.60 (0.43–0.83)	0.61 (0.40–0.92)
Serum folate, ng/mL	8642		
Q1 (≤11.4)		ref	ref
Q2 (>11.4–16.3)		0.92 (0.63–1.34)	0.93 (0.60–1.44)
Q3 (>16.3–23.9)		1.04 (0.72–1.51)	0.81 (0.50–1.30)
Q4 (>23.9)		2.20 (1.62–2.98)	0.94 (0.64–1.38)
RBC folate, nmol/L	8597		
Q1 (≤41.1)		ref	ref
Q2 (>41.1–396.9)		0.95 (0.69–1.32)	1.11 (0.73–1.70)
Q3 (>396.9–556.3)		1.04 (0.75–1.44)	1.11 (0.70–1.74)
Q4 (>556.3)		1.94 (1.49–2.52)	1.27 (0.86–1.87)
Serum zinc, µg/dL	2341		
Q1 (≤71.0)		ref	ref
Q2 (>71.0–80.4)		0.44 (0.23–0.86)	0.39 (0.18–0.87)
Q3 (>80.4–90.3)		0.33 (0.19–0.60)	0.32 (0.15–0.71)
Q4 (>90.3)		0.32 (0.16–0.66)	0.30 (0.13–0.69)

Multivariable models were adjusted for age (continuous), gender, race, poverty-to-income ratio, education level, vigorous physical activity, body mass index (BMI), smoking status, hypertension, diabetes mellitus (DM), hyperlipidaemia, cardiovascular disease (CVD) and chronic obstructive pulmonary disease (COPD).