WEB FIGURE LEGENDS

Web Figure 1. Median (Interquartile Range) Levels of Blood Cadmium (µg/L) and Blood Lead (µg/dL) by Participant Characteristics. Points represent medians, horizontal lines represent interquartile ranges, and the dotted vertical line represents the geometric mean for the overall study sample. Median (interquartile range) values for blood cadmium and lead overall and by participant characteristics are shown on the left side of the points and horizontal lines for cadmium and lead, respectively. SI conversion factors: To convert cadmium to nanomoles per liter multiply by 8.896; to convert lead to micromoles per liter multiply by 0.0483.

Web Figure 2. Adjusted Prevalence of Albuminuria, Reduced eGFR and Both Albuminurina and Reduced eGFR by Blood Cadmium and Lead Quartiles (N=14,778). Prevalences were adjusted for survey year, age (years modeled as restricted cubic spline with 5 knots), sex, race/ethnicity, body mass index (kg/m²), education (< high school, high school, > high school), smoking status (never, former, current), cotinine (log₁₀ ng/mL), alcohol intake (never, former, current), hypertension (yes, no), diabetes mellitus (yes, no), and menopause status (yes, no) and were calibrated to the overall weighted prevalence. A total of 1,834 participants had albuminuria > 30 mg/g creatinine, 1,668 participants had eGFR < 60 mL/min/1.73 m², and 510 had both albuminuria and reduced eGFR (estimated glomerular filtration rate). The number or participants for the 16 combinations of cadmium and lead quartiles ranged between 345 participants in the 4th quartile of cadmium and 1st quartile of lead and 1,830 participants in the highest quartiles of both cadmium and lead.

Web Figure 1. Median (Interquartile Range) Levels of Blood Cadmium ($\mu g/L$) and Blood Lead ($\mu g/dL$) by Participant Characteristics.

	Blood Cadmium		Blood Lead		
	N (Weighted %)	Median (p25, p7	5)	Median (p25, p75)
Overall	14778	0.40 (0.20, 0.64)	-	1.60 (1.00, 2.40)	
Age <35 years Age 35–50 years	3497 (26.6) 3903 (32.9)	0.30 (0.20, 0.60) 0.40 (0.20, 0.69)	<u> </u>	1.10 (0.79, 1.70) 1.50 (1.00, 2.20)	<u> </u>
Age 50–65 years	3417 (23.6)	0.40 (0.20, 0.69)	=	1.90 (1.00, 2.20)	
Age ≥65 years	3961 (16.9)	0.50 (0.32, 0.70)	-	2.10 (1.50, 3.08)	 •
Age 200 years	3901 (10.9)	0.50 (0.52, 0.70)	i	2.10 (1.50, 5.00)	i
Men	7587 (49.7)	0.39 (0.20, 0.60)		1.90 (1.30, 2.80)	<u> </u>
Women	7191 (50.3)	0.40 (0.29, 0.68)		1.30 (0.88, 1.93)	
White	7667 (73.7)	0.40 (0.20, 0.67)	1	1.55 (1.00, 2.30)	1
Black	2829 (9.9)	0.40 (0.20, 0.70)		1.65 (1.10, 2.62)	
Mexican American	3221 (7.2)	0.35 (0.20, 0.50)	<u> </u>	1.70 (1.10, 2.60)	
Other race/ethnicity	1061 (9.2)	0.40 (0.30, 0.70)	1	1.50 (1.00, 2.36)	i
< High school	4503 (18.8)	0.50 (0.30, 0.90)	1	1.90 (1.30, 3.00)	1
High school graduation	3533 (25.8)	0.40 (0.27, 0.80)		1.70 (1.10, 2.50)	
> High school	6742 (55.4)	0.33 (0.20, 0.50)	<u> </u>	1.40 (0.94, 2.10)	<u> </u>
BMI < 25 kg/m2	4628 (34.0)	0.40 (0.23, 0.76)	<u>_</u>	1.50 (1.00, 2.40)	
BMI 25-29 kg/m2	5302 (34.3)	0.40 (0.20, 0.60)		1.70 (1.10, 2.50)	 +•
BMI ≥ 30 kg/m2	4848 (31.7)	0.40 (0.20, 0.60)		1.50 (0.96, 2.20)	
Never smoker	7406 (49.6)	0.30 (0.20, 0.40)	i	1.30 (0.90, 2.00)	<u> i </u>
Former smoker	4007 (25.3)	0.40 (0.26, 0.57)		1.80 (1.20, 2.60)	<u> </u>
Current smoker	3365 (24.8)	0.90 (0.60, 1.40)		1.90 (1.30, 2.80)	
Cotinine < 0.05 ng/mL	6269 (41.0)	0.30 (0.20, 0.45)	!	1.40 (0.90, 2.05)	!
Cotinine 0.05-10 ng/mL	4626 (30.2)	0.30 (0.20, 0.46)		1.53 (1.00, 2.30)	
Cotinine 10-200 ng/mL	1983 (14.2)	0.70 (0.42, 1.10)		1.70 (1.17, 2.50)	
Cotinine >200 ng/mL	1900 (14.6)	1.01 (0.70, 1.60)	i	2.10 (1.50, 3.10)	i
Never alcohol drinker	4532 (27.0)	0.40 (0.20, 0.60)	-	1.40 (0.90, 2.10)	
Former alcohol drinker	1647 (9.0)	0.50 (0.30, 0.80)		1.90 (1.20, 2.70)	
Current alcohol drinker	8599 (64.0)	0.40 (0.20, 0.70)	!	1.60 (1.10, 2.40)	!
No hypertension	8457 (63.7)	0.40 (0.20, 0.60)		1.47 (0.95, 2.20)	
Hypertension	6321 (36.3)	0.40 (0.28, 0.69)		1.80 (1.20, 2.60)	
No diabetes	12989 (91.5)	0.40 (0.20, 0.66)	į	1.60 (1.00, 2.40)	i
Diabetes	1789 (8.5)	0.40 (0.20, 0.60)		1.60 (1.10, 2.40)	
Lead ≤1.1 μg/dL	3242 (26.3)	0.29 (0.20, 0.40)	į		į
Lead 1.1 – 1.6 µg/dL	3167 (23.3)	0.40 (0.20, 0.60)	→ _		!
Lead 1.6 - 2.4 µg/dL	3734 (25.1)	0.40 (0.29, 0.70)	=		!
Lead >2.4 μg/dL	4635 (25.2)	0.55 (0.34, 1.00)	1		<u> </u>
Cadmium ≤ 0.2 μg/L	3348 (25.7)		1	1.20 (0.80 - 1.80)	1
Cadmium 0.2 – 0.4 µg/L	4774 (31.8)		i	1.47 (1.00 - 2.17)	
Cadmium 0.4 – 0.64 µg/L	2917 (17.5)		i	1.80 (1.20 - 2.58)	
Cadmium > 0.64 µg/L	3739 (24.9)	_	į	2.10 (1.40 - 3.10)	
			0.2 0.7 1.1	1.6	0.8 1.5 2.3 3.1
			μg/L		μg/dL
			· ·		

Web Figure 2. Adjusted Prevalence of Albuminuria, Reduced eGFR and Both Albuminurina and Reduced eGFR by Blood Cadmium and Lead Quartiles (N=14,778).

