

Exposure	N	Non-adjusted model*		Core model**		Fully adjustment model***	
		OR (95% CI)	P value	OR (95% CI)	P value	OR (95%CI)	P value
Urine Cobalt (ug/L)	10744	1.059 (1.018, 1.102)	0.00430	1.050 (1.009, 1.092)	0.01511	1.048 (1.005, 1.093)	0.02993
Quartile of Urine Cobalt (ug/L)							
0.02-0.22	2669	1.00000		1.00000		1.00000	
0.22-0.36)	2691	1.265 (1.043, 1.533)	0.01670	1.252 (1.031, 1.522)	0.02357	1.166 (0.955, 1.422)	0.13116
0.36-0.58	2693	1.369 (1.132, 1.655)	0.00119	1.395 (1.151, 1.691)	0.00070	1.348 (1.108, 1.640)	0.00282
0.58-37.40	2691	1.562 (1.297, 1.880)	<0.00001	1.783 (1.476, 2.155)	<0.00001	1.683 (1.386, 2.044)	<0.00001

P value for trend

<0.00001

<0.00001

<0.00001

CI = confidence interval; OR = odds ratio

***Non-adjusted model adjusts for: None;**

****Core model adjust for: gender; age; race;**

*****Fully adjustment model adjusts for: gender; age; race; education; marital; PIR; BMI; smoking; alcohol; HBP; diabetes; CHF; cancer; gout; vigorous activity; moderate activity**

Table3: Multivariate-adjusted odds of urine cobalt in all participants, and the correlation between quartile of urine cobalt and kidney stones