

Supplementary material

Table S1. Regression coefficients ($\times 10^{-3}$)^a between nutrient intake and urinary arsenic metabolites: sensitivity analysis including only values above the limit of detection

Nutrients (units)	%iAs (n=391)	%MMA (n=391)	%DMA (n=391)	MMA/iAs (n=391)	DMA/MMA (n=1004)	DMA/iAs (n=391)
Retinol (μgRE)	-0.13	0.02	0.03	0.15	0.01	0.16
Vitamin C (mg)	-1.63*	-0.25	0.19	1.38	0.16	1.82*
α -tocopherol (mg)	-22.70*	13.20	3.32	35.90**	-2.50	26.00*
Thiamin (mg)	-176.00*	-102.00	25.20	73.40	44.30	201.00*
Riboflavin (mg)	-224.00**	18.30	48.90*	243.00**	-8.82	273.00**
Niacin (mg)	-20.80	-20.30*	2.37	0.47	6.64	23.10
Vitamin B6 (mg)	69.90	31.50	-27.30	-38.50	-49.10	-97.20
Folate (400 μg)	-0.60*	-0.14	0.11	0.47	0.19	0.71*
Vitamin B12 (μg)	-21.00*	0.08	4.19	21.10	6.47	25.20*
Choline (mg)	-0.64*	0.10	0.18	0.74*	0.22	0.82*
Methionine (g)	-285.00*	-11.30	67.00	274.00	97.90	353.00
Betaine (mg)	0.25	-0.60	0.05	-0.86	0.68	-0.20
Calcium (mg)	-0.07	0.26	-0.03	0.33	-0.33**	0.03
Phosphorus (mg)	0.19*	0.05	-0.04	-0.14	-0.07	-0.23
Magnesium (mg)	0.83*	0.12	-0.16	-0.71	-0.19	-0.99
Iron (mg)	-31.00*	-26.30*	6.19	4.71	21.8**	37.20*
Zinc (mg)	5.48	-13.50	-1.50	-19.00	27.3**	-6.98
Copper (mg)	-51.50	-21.50	12.10	30.00	40.00	63.60
Sodium (mg)	-0.08*	0.00	0.02	0.08	0.03	0.10*
Potassium (mg)	-0.06	0.03	0.00	0.09	0.00	0.06
Selenium (μg)	-4.00*	-1.29	0.80	2.71	1.71	4.80*

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

^a Each model contains only one nutrient adjusted by age (years), total energy intake (kcal/day) and TAs-AsB ($\mu\text{g/l}$); beta coefficients are log transformed