

Additional File 2. Dietary factors significantly associated (bold) with toenail arsenic with and without adjustment for seafood consumption.

Variable	Adjusted ^a without Seafood (n=914)		Adjusted ^a with Seafood (n=877)	
	β	P value	β	P value
Dietary Lipids				
<u>Total Fat (g)</u>	-5.8E-03	<.001	-5.8E-03	<.001
Animal Fat (g)	-4.2E-03	0.006	-4.6E-03	0.003
Vegetable Fat (g)	-4.9E-03	0.0082	-4.3E-03	0.024
<u>Total Unsaturated Fat</u>				
<u>Total Monounsaturated Fat (g)</u>	-1.2E-02	<.001	-1.2E-02	<.001
Palmitoleic Fatty Acid (g)	-1.0E-01	0.016	-1.2E-01	0.004
Oleic Fatty Acid (g)	-1.3E-02	<.001	-1.3E-02	<.001
<u>Total Polyunsaturated Fat (g)</u>	-1.8E-02	0.001	-1.9E-02	<.001
Total n-6 Fatty Acids ^b (g)	-1.8E-02	0.002	-1.7E-02	0.003
Linoleic Fatty Acid (g)	-2.0E-02	<.001	-2.1E-02	<.001
Linolenic Fatty Acid (g)	-1.6E-01	0.003	-1.9E-01	<.001
Arachadonic Fatty Acid (g)	-6.8E-01	0.037	-1.1E+00	0.003
<u>Total Saturated Fat (g)</u>	-1.0E-02	<.001	-1.0E-02	0.001

Lauric Fatty Acid (g)	-1.7E-01	0.006	-1.5E-01	0.018
Palmitic Fatty Acid (g)	-2.2E-02	<.001	-2.3E-02	<.001
Stearic Fatty Acid (g)	-4.3E-02	<.001	-4.3E-02	<.001
<u>Steroid</u>				
Cholesterol (mg)	-5.0E-04	0.007	-6.0E-04	0.002
Protein				
Animal Protein (g)	-2.6E-03	0.037	-3.8E-03	0.004
Vitamins				
Retinolc (IU)	-2.9E-05	0.013	-2.7E-05	0.029
Vitamin B12 ^c (µg)	-7.6E-03	0.035	-9.3E-03	0.019
Plant-Compounds				
Beta Cryptoxanthin (µg)	-3.7E-04	0.023	-2.7E-04	0.094
Dietary Lipids				
<u>Total Unsaturated Fat</u>				
<u>Polyunsaturated Fat</u>				
n-3 Fatty Acids (EPA ^d ,DPA ^e ,DHA ^f) (g)	1.4E-01	0.049	1.3E-01	0.25
n-3 Fatty Acids ^g (EPA & DHA) (g)	1.5E-01	0.048	1.4E-01	0.24
EPA (g)	4.0E-01	0.022	3.7E-01	0.11

DPA (g)	2.2E+00	0.057	1.6E+00	0.33
Elements				
Manganese ^c (mg)	5.1E-03	0.16	3.9E-03	0.3
Alcohols				
Ethanol (g)	6.6E-03	<.001	6.5E-03	<.001

^a Covariates included: sex, smoking status, season of toenail collection, case-control status, body mass index, age, daily intake of water from the household water source, total energy intake, and water arsenic concentrations for individuals with water arsenic concentrations ≥ 1 $\mu\text{g/L}$.

^b without Gamma-Linolenic Fatty Acid

^c without supplements

^d Eicosapentaenoic Fatty Acid

^e Docosapentaenoic Fatty Acid

^f Docosahexaenoic Fatty Acid

^g without Alpha-Linolenic Fatty Acid