

Supplementary Table 2. Bladder and lung cancer odds ratios including only cases with histologic confirmation, in non-proxy subjects, and in males and females comparing subjects in the upper to lower quartiles of average lifetime arsenic concentration prior to 1971 (the end of the high exposure period in Antofagasta)

Outcome	Arsenic level [†]	Histologically confirmed			Non-proxy subjects			Males			Females		
		Case	Cont	OR* (95% CI)	Case	Cont	OR* (95% CI)	Case	Cont	OR* (95% CI)	Case	Cont	OR* (95% CI)
Bladder cancer	<11	28	199	1.00	24	190	1.00	26	139	1.00	2	60	1.00
	11 to 90	34	192	1.22 (0.69 to 2.15)	24	170	1.06 (0.55 to 2.02)	27	127	1.06 (0.57 to 1.99)	10	65	4.55 (0.92 to 22.47)
	91 to 335	75	138	3.67 (2.13 to 6.33)	63	123	3.97 (2.21 to 7.14)	54	95	3.23 (1.76 to 5.93)	24	43	13.05 (2.31 to 73.64)
	>335	89	107	6.50 (3.69 to 11.43)	74	97	6.78 (3.67 to 12.53)	63	68	5.35 (2.84 to 10.06)	26	39	23.67 (4.14 to 135.3)
Lung cancer	<11	36	199	1.00	25	190	1.00	34	139	1.00	17	60	1.00
	11 to 90	40	192	1.11 (0.66 to 1.87)	28	170	1.28 (0.69 to 2.37)	45	127	1.32 (0.76 to 2.28)	21	65	1.25 (0.57 to 2.71)
	91 to 335	55	138	1.91 (1.10 to 3.32)	41	123	2.08 (1.12 to 3.87)	62	95	2.26 (1.26 to 4.06)	18	43	1.31 (0.5 to 3.43)
	>335	84	107	4.16 (2.39 to 7.23)	67	97	5.63 (2.93 to 10.81)	72	68	4.72 (2.54 to 8.78)	33	39	4.54 (1.65 to 12.52)

*Odds ratios (OR) are adjusted for age, sex, smoking, mining work, race, body-mass index, and socioeconomic status. [†]Exposure levels are based on quartiles in all subjects.