

Table 1: Relative risk of dying from breast and prostate cancer in towns situated near pollutant industries by industrial group. Statistically significant results are in bold.

Industrial group (no. Industries)	Breast cancer												Prostate cancer											
	2km			3km			4km			5km			2km			3km			4km			5km		
	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>	Obs <sup>a</sup>	RR <sup>b</sup>	95%CrI <sup>c</sup>
All sectors (1970)	14849	0.98	0.95-1.01	27380	1.00	0.97-1.03	33240	1.02	0.99-1.05	40168	1.02	0.99-1.05	13526	1.00	0.97-1.03	23795	0.98	0.96-1.01	29001	1.00	0.97-1.03	35039	1.00	0.97-1.03
Combustion installations (64)	740	0.97	0.88-1.07	1034	0.99	0.91-1.07	3053	1.00	0.93-1.06	4403	1.00	0.94-1.06	697	1.03	0.93-1.13	958	0.97	0.89-1.06	2628	0.97	0.91-1.04	3863	0.98	0.92-1.04
Refineries and coke ovens (13)	380	1.06	0.86-1.30	390	1.01	0.82-1.22	1080	1.05	0.92-1.20	2075	1.00	0.91-1.11	315	1.02	0.81-1.25	328	0.96	0.79-1.17	945	1.04	0.91-1.20	1904	1.02	0.92-1.13
Production and processing of metals (141)	1922	0.93	0.87-1.00	3821	0.95	0.90-1.01	5802	0.95	0.91-1.00	8916	0.99	0.94-1.04	1778	0.99	0.92-1.06	3254	0.95	0.90-1.01	4995	0.96	0.91-1.01	7668	0.97	0.92-1.02
Galvanization (30)	593	0.90	0.81-1.00	1584	0.95	0.87-1.03	2290	0.96	0.89-1.03	2564	0.97	0.91-1.04	533	0.98	0.88-1.09	1388	0.96	0.88-1.04	2026	0.98	0.91-1.06	2234	0.99	0.92-1.06
Surface treatment of metals and plastic (225)	4549	0.97	0.92-1.02	10491	0.97	0.92-1.01	12394	0.98	0.94-1.02	15837	0.99	0.95-1.04	3909	0.97	0.92-1.02	8784	0.96	0.92-1.01	10344	0.96	0.92-1.00	13278	0.96	0.92-1.00
Mining industry (92)	107	1.11	0.90-1.36	377	1.06	0.94-1.19	603	<b>1.10</b>	<b>1.00-1.21</b>	1112	1.07	0.99-1.15	110	0.92	0.74-1.12	352	0.95	0.84-1.07	536	0.92	0.83-1.02	961	0.93	0.86-1.00
Cement and lime (60)	248	0.91	0.78-1.05	1060	0.98	0.90-1.07	2241	1.05	0.98-1.12	2830	1.01	0.95-1.08	233	0.95	0.82-1.10	829	0.93	0.85-1.02	1754	0.95	0.89-1.02	2279	0.97	0.91-1.03
Glass and mineral fibers (39)	915	1.01	0.91-1.13	1967	0.99	0.91-1.07	2766	1.04	0.97-1.12	3752	1.04	0.97-1.11	717	1.03	0.92-1.16	1542	0.99	0.91-1.07	2060	0.97	0.90-1.04	2948	0.98	0.91-1.05
Ceramic (326)	1558	1.00	0.94-1.07	2664	1.02	0.97-1.08	3561	1.03	0.98-1.08	6373	<b>1.05</b>	<b>1.00-1.09</b>	1585	1.03	0.97-1.09	2728	1.04	0.98-1.09	3525	1.02	0.97-1.07	5971	1.02	0.98-1.07
Organic chemical industry (121)	1495	0.97	0.90-1.04	3220	0.94	0.89-1.00	4900	0.98	0.93-1.03	11127	0.99	0.94-1.04	1180	0.96	0.88-1.03	2727	0.96	0.90-1.02	4157	0.97	0.92-1.02	9222	0.98	0.93-1.03
Inorganic chemical industry (62)	617	0.97	0.88-1.08	4432	0.99	0.93-1.05	5134	1.03	0.97-1.09	5877	1.03	0.98-1.09	552	0.96	0.86-1.07	3470	0.93	0.87-0.99	4120	0.96	0.90-1.02	4700	0.94	0.89-1.00
Fertilizers (21)	450	1.10	0.95-1.27	511	1.08	0.94-1.23	1236	1.03	0.94-1.13	1639	1.03	0.95-1.12	442	1.08	0.93-1.25	492	1.01	0.88-1.16	1051	0.98	0.89-1.08	1465	0.98	0.90-1.06
Biocides (10)	120	1.04	0.83-1.27	536	0.99	0.87-1.12	641	0.99	0.88-1.11	683	0.96	0.86-1.08	97	0.97	0.77-1.22	444	0.93	0.81-1.06	540	0.97	0.85-1.09	587	0.98	0.87-1.11
Pharmaceutical products (45)	908	0.99	0.90-1.09	2229	0.98	0.91-1.06	3243	1.00	0.93-1.07	3879	0.99	0.92-1.06	673	0.99	0.89-1.10	1782	0.96	0.89-1.04	2530	0.95	0.89-1.02	3020	0.95	0.88-1.02
Explosives and pyrotechnics (53)	344	0.93	0.81-1.07	685	0.94	0.85-1.03	2294	1.02	0.94-1.10	3078	1.02	0.95-1.09	344	0.94	0.82-1.08	647	0.92	0.83-1.01	1964	0.92	0.85-1.00	2661	0.95	0.88-1.01
Hazardous waste (40)	457	0.96	0.84-1.08	1107	1.00	0.92-1.09	2577	1.00	0.93-1.07	4554	1.00	0.94-1.07	326	0.92	0.80-1.05	837	0.96	0.87-1.05	2091	0.95	0.88-1.02	3661	0.93	0.87-0.99
Non-hazardous waste (66)	324	0.89	0.76-1.03	1394	0.96	0.88-1.04	1756	0.98	0.91-1.06	3407	1.01	0.95-1.08	330	0.93	0.79-1.08	1353	0.99	0.91-1.08	1653	0.96	0.89-1.03	3151	0.99	0.93-1.05
Disposal or recycling of animal waste (31)	206	1.03	0.88-1.20	787	1.00	0.90-1.10	1541	1.00	0.93-1.08	3966	1.01	0.94-1.08	194	1.00	0.85-1.17	647	0.96	0.87-1.06	1413	0.99	0.91-1.07	3445	1.00	0.93-1.07
Urban waste-water treatment plants (58)	516	0.96	0.85-1.08	2093	0.97	0.91-1.04	3424	0.98	0.93-1.04	15974	0.98	0.93-1.03	415	0.98	0.85-1.11	1713	0.94	0.87-1.01	2849	0.98	0.92-1.04	12640	0.97	0.92-1.02
Paper and wood production (76)	1756	0.97	0.89-1.06	2551	1.01	0.94-1.08	4880	1.05	0.99-1.11	5923	1.04	0.99-1.10	1591	0.99	0.91-1.08	2307	1.01	0.94-1.08	4326	1.00	0.94-1.06	5203	0.99	0.93-1.04
Pre-treatment or dyeing of textiles (22)	301	0.96	0.82-1.10	415	1.02	0.90-1.15	455	1.08	0.95-1.21	567	1.07	0.96-1.19	265	1.01	0.87-1.17	353	1.00	0.87-1.13	390	1.06	0.93-1.19	482	1.02	0.91-1.14
Tanning of hides and skins (2)	72	1.03	0.74-1.39	85	1.07	0.79-1.41	86	1.01	0.75-1.33	89	0.99	0.74-1.30	74	1.17	0.84-1.60	82	1.08	0.79-1.44	86	1.08	0.80-1.43	91	1.08	0.80-1.42
Food and beverage sector (282)	2783	0.99	0.93-1.04	9298	1.00	0.96-1.05	13038	1.02	0.98-1.06	17693	1.03	0.99-1.06	2627	1.02	0.96-1.07	7723	0.98	0.94-1.02	11095	1.00	0.96-1.04	14832	1.00	0.97-1.04
Aquaculture (4)	10	1.30	0.64-2.36	13	1.31	0.71-2.22	13	1.32	0.71-2.23	19	1.28	0.77-2.00	25	<b>2.42</b>	<b>1.53-3.63</b>	26	<b>2.07</b>	<b>1.33-3.07</b>	26	<b>2.08</b>	<b>1.33-3.08</b>	29	<b>1.63</b>	<b>1.07-2.36</b>
Surface treatment using organic solvents (76)	1298	0.94	0.87-1.01	2572	0.95	0.89-1.01	4645	0.97	0.92-1.03	7193	1.00	0.95-1.05	1116	0.96	0.88-1.04	2288	0.97	0.90-1.03	4065	0.97	0.92-1.03	6162	0.98	0.93-1.03
Production of carbon or electro-graphite (2)	0	-	-	3	3.51	0.93-9.33	5	1.55	0.57-3.40	449	1.08	0.83-1.36	0	-	-	0	-	-	4	1.10	0.36-2.60	398	0.92	0.71-1.18
Ship building (9)	1046	1.11	0.96-1.29	1537	1.11	0.97-1.25	1647	1.09	0.97-1.23	1726	<b>1.12</b>	<b>1.00-1.26</b>	949	1.11	0.95-1.28	1364	1.03	0.91-1.18	1433	1.01	0.89-1.15	1466	0.96	0.85-1.08

<sup>a</sup>Observed deaths.

<sup>b</sup>RRs adjusted for population size; percentages of illiteracy, farmers and unemployed persons; average persons per household; and mean income

<sup>c</sup>95% credible interval.