

Table 2: Relative risk of dying from ovarian cancer in towns at ≤ 5 km from industries releasing pollutants grouped by carcinogenic substances and endocrine disrupting chemicals, estimated using BYM models.

Exposure type	BYM model (5 km)		
	Obs ^a	RR ^b	95%CrI ^c
<i>IARC groups^d</i>			
Group 1	11489	1.07	1.02-1.13
Group 2A	7916	1.08	1.02-1.13
Group 2B	3789	1.06	1.00-1.12
<i>EDCs groups^e</i>			
Metals	8389	1.07	1.02-1.13
Pesticides	1647	1.01	0.92-1.11
PACs	5502	1.05	1.00-1.11
Non-HPCs	1847	1.04	0.95-1.14
Plasticizers	901	0.96	0.87-1.04
POPs	4339	1.05	1.00-1.11
Other persistent	366	1.03	0.91-1.17
Other solvents	4405	1.05	1.00-1.11

^aObserved deaths.

^bRRs adjusted for population size, percentage of illiteracy, farmers and unemployed persons, average persons per household, and mean income

^c95% credible interval.

^dIARC carcinogen classification: Group 1-carcinogens to humans (arsenic and compounds, cadmium and compounds, chromium and compounds, nickel and compounds, dioxins+furans, polychlorinated biphenyls, trichloroethylene, vinyl chloride, benzene, ethylene oxide, polycyclic aromatic hydrocarbons, benzo(a)pyrene, and particulate matter (PM₁₀)); Group 2A-probably carcinogenic to humans (tetrachloroethylene and lead and compounds); Group 2B-possibly carcinogenic to humans (chlordane, DDT, 1,2-dichloroethane, dichloromethane, heptachlor, hexachlorobenzene, mirex, pentachlorophenol, tetrachloromethane, 1,1,2,2-tetrachloroethane, trichloromethane, ethyl benzene, naphthalene, di-(2-ethyl hexyl) phthalate, 1,2,3,4,5,6-hexachlorocyclohexane, and cobalt and compounds).

^eWHO and UNEP classification: Metals (arsenic and compounds, cadmium and compounds, lead and compounds, mercury and compounds, manganese and compounds, and organotin compounds); Pesticides (alachlor, atrazine, pentachlorophenol, simazine, tributyltin and compounds, triphenyltin and compounds, chlorpyrifos, DDT, chlordane, dieldrin, endosulfan, endrin, heptachlor, mirex, and lindane); PACs: Polycyclic Aromatic Chemicals (polycyclic aromatic hydrocarbons, benzo(a)pyrene, and anthracene); Non-HPCs: Non-Halogenated phenolic chemicals (nonylphenol and nonylphenol ethoxylates, and octylphenols and octylphenol ethoxylates); Plasticizers (di-(2-ethyl hexyl) phthalate); POPs: Persistent Organic Pollutants (polychlorinated biphenyls, brominated diphenylethers, hexachlorobenzene, dioxins+furans, pentachlorobenzene, and 1,2,3,4,5,6-hexachlorocyclohexane); Other persistent (hexachlorobutadiene); Other solvents (trichloroethylene and benzene).