

Table 4: Relative risk of death due to leukemias in towns situated at a distance of less than 5 kilometers (“near vs. far” analysis) and in ever-decreasing radiuses (RR gradient analysis) from pre-1990 metal installations with significant results in some of the two analyses.

EPER Code ^c	NEAR VS FAR ^a			RR GRADIENT ^a													
	RR ^d	95%CI	[0-5 Km]			[5-10 Km]			[10-20 Km]			[20-30 Km]			[30-50 Km] ^b		p trend
			Obs ^e	Exp ^f	RR ^d	Obs ^e	Exp ^f	RR ^d	Obs ^e	Exp ^f	RR ^d	Obs ^e	Exp ^f	RR ^d	Obs ^e	Exp ^f	
30																	
Total	1.81	0.94-3.47	19	12.6	2.96	5	2.8	2.12	7	8.0	1.10	24	19.7	1.40	58	59.9	0.01
Men	1.29	0.55-3.07	11	7.1	2.79	3	1.7	1.35	4	4.3	1.41	16	11.1	1.30	37	34.5	0.06
Women	2.93	1.05-8.18	8	5.5	2.65	2	1.2	3.50	3	3.7	1.06	8	8.6	1.47	21	25.4	0.13
1478																	
Total	1.20	0.93-1.55	172	167.1	1.10	31	37.1	0.97	54	61.9	1.02	97	108.2	0.84	99	115.1	0.20
Men	1.51	1.06-2.15	94	88.0	1.38	15	20.7	1.00	32	34.0	1.17	47	58.5	0.73	60	64.3	0.02
Women	0.92	0.64-1.32	78	79.2	0.80	16	16.4	0.88	22	27.9	0.80	50	49.7	0.99	39	50.7	0.42
1606																	
Total	1.49	0.78-2.86	14	11.9	1.54	0	0.0	--	1	1.3	1.17	15	18.3	0.93	75	82.4	0.23
Men	3.07	1.38-6.82	11	6.8	3.00	0	0.0	--	1	0.8	0.78	4	10.8	0.46	47	47.5	0.02
Women	0.52	0.15-1.79	3	5.1	0.62	0	0.0	--	0	0.5	0.00	11	7.5	1.42	28	34.9	0.46
1777																	
Total	4.28	1.29-14.24	3	0.8	2.83	2	3.7	0.57	6	11.4	0.56	11	11.4	0.88	102	111.5	0.72
Men	3.96	0.90-17.37	2	0.5	1.85	2	2.3	0.77	5	6.2	0.72	8	6.4	0.98	58	62.4	0.91
Women	5.14	0.65-40.76	1	0.3	5.11	0	1.5	0.00	1	5.2	0.27	3	5.0	0.72	44	49.1	0.43
1850																	
Total	1.31	0.95-1.82	53	40.2	1.45	3	1.9	1.67	263	245.7	1.06	21	28.1	0.80	304	300.3	0.11
Men	1.04	0.65-1.66	24	21.7	1.19	1	1.1	1.08	139	130.6	1.06	9	15.5	0.64	163	163.0	0.66
Women	1.68	1.07-2.66	29	18.5	1.77	2	0.8	2.35	124	115.1	1.06	12	12.5	0.98	141	137.3	0.06
1937																	
Total	1.31	0.93-1.87	63	59.5	1.44	5	10.1	0.95	16	14.5	0.80	417	382.2	1.24	111	117.8	0.16
Men	1.57	1.01-2.46	44	32.7	1.94	3	5.5	1.95	8	7.9	0.71	218	204.3	1.02	64	64.2	0.06
Women	0.94	0.53-1.68	19	26.8	0.96	2	4.6	0.56	8	6.6	0.92	199	178.0	1.51	47	53.6	0.95
2076																	
Total	1.89	1.07-3.35	35	25.1	2.11	4	5.9	0.64	12	16.3	0.74	25	24.0	1.02	63	61.6	0.13
Men	0.86	0.40-1.85	20	13.9	0.71	2	3.4	0.43	9	9.5	0.68	17	14.1	0.95	41	34.6	0.23
Women	5.82	2.20-15.38	15	11.2	7.79	2	2.5	1.05	3	6.8	0.70	8	9.9	0.76	22	27.1	0.00
2494																	
Total	3.04	1.11-8.27	44	23.8	3.86	2	0.4	8.15	4	7.0	0.80	11	9.0	1.67	18	24.0	0.02
Men	5.29	1.28-21.99	23	13.3	9.42	1	0.3	12.35	2	4.3	1.16	7	5.4	2.80	7	14.5	0.01
Women	1.62	0.40-6.63	21	10.5	1.36	1	0.2	5.86	2	2.7	0.54	4	3.6	0.88	11	9.5	0.68
3645																	
Total	1.62	1.02-2.56	27	21.6	1.54	1	0.6	1.29	6	8.3	0.73	17	26.4	0.68	71	83.8	0.09
Men	1.96	1.13-3.41	20	12.1	1.83	1	0.4	1.53	3	4.7	0.48	9	14.7	0.52	43	46.8	0.05
Women	1.06	0.45-2.48	7	9.4	1.11	0	0.2	0.00	3	3.6	1.23	8	11.7	0.95	28	37.0	0.83

^aAnalyses restricted to an area of 50 km surrounding each facility. In the “near vs. far” analysis, the reference level was constituted by towns having no EPER-registered facility within 5 km of their municipal centroid

^bReference group in RR gradient analysis

^cFacility with statistically significant results suggesting a positive association

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

^eObserved cases

^fExpected cases