

**Table 2.6. Cohort and nested case-control studies of nickel and nasal cancer**

Reference, location, name of study	Cohort description	Exposure assessment	Exposure categories	No. of cases/deaths	Relative risk (95% CI)	Adjustment for potential confounders	Comments
Grimsrud & Peto (2006) Welsh nickel refinery workers	Cohort of workers with 5+ years of employment hired 1902–1969 or between 1953–1992 and followed through 1985 and 2000, respectively	Year of first employment	Period of first employment 1930–1992	2	<u>SMR</u> 8.70 (1.05–31.42)	Age	National mortality rates as reference
Anttila <i>et al.</i> (1998) Finnish nickel refinery & copper/ nickel smelter	Cohort of 1 388 workers employed for at least 3 months between 1945–1985 and followed through 1995	Atmospheric measurements available beginning in 1966	<u>Refinery workers:</u> Overall 20+ years latency  <u>Smelter workers</u> Overall	2 2 0	41.1 (4.97–148.0) 67.1 (8.12–242.0)	Age, gender	Region-specific rates used as reference
Andersen <i>et al.</i> (1996) Norwegian nickel refinery workers	Cohort of 379 workers with 1st employment 1916–40 and 3 years of employment and 4 385 workers with one year of employment 1946–83.		Soluble Nickel compounds (mg/m <sup>3</sup> )  <u>Highest cumulative exp</u> ≥ 15 <sup>(a)</sup>  Ni Oxide (mg/m <sup>3</sup> )  <u>Highest cumulative exp</u> ≥ 15 <sup>(a)</sup>	15	<u>SIR</u> 81.7 (45–135)	Birth cohort	Also exposure to Ni Oxide
Easton <i>et al.</i> (1992) Welsh nickel refinery workers	Cohort of men with 5+ years employment up to December 1969 and followed from 1931–1985		Year of 1 <sup>st</sup> employment Before 1920 1920–1929 1930–1939	55 12 1	<u>SMR</u> 376.47 (0.15 exp) 72.55 (0.17 exp) 14.34 (0.07 exp)		Also exposure to soluble Ni cmpds