

Table 2.13. Case-control studies of wood dust and hemopoietic malignancies

Reference, study location and period	Organ site (ICD code)	Characteristics of cases	Characteristics of controls	Exposure assessment	Exposure categories	Relative risk (95% CI)*	Adjustment for potential confounders	Comments
Tollerud <i>et al.</i> (1985) North Carolina, US, 1956–1980	Multiple myeloma (203.0, 203.1, 203.8, 238.6)	301 men deceased cases, from mortality records; histological confirmation not assessed	858 population controls matched by sex, age at death, race, county, year of death	Occupation reported on the death certificate	Occupation in the furniture industry	1.29 ($P = 0.25$)		
					Woodworkers	1.14 ($P = 0.69$)		
Persson <i>et al.</i> (1989) Orebro, Sweden, 1964–1986	Non-Hodgkin lymphoma	106 (66 men, 40 women) cases from Department of Oncology, Orebro Medical Centre Hospital, Sweden born and aged 20–86; response rate not stated; 100% histologically confirmed	275 population controls; response rate not stated, non-respondents replaced with new controls	Self-administered mailed standardized questionnaire, with information on specific agents	Carpenters and cabinet makers	2.8 (1.1–7.1)	Sex, age 90%CI	90% confidence intervals
					Solvents	1.9 (1.1–3.2)		
					Phenoxy acids	4.9 (1.3–18)		
					Creosotes	9.4 (1.2–69)		
Magnani <i>et al.</i> (1990) Turin, Italy, 1981–1984	Childhood leukemias and lymphomas	Children with acute lymphocytic leukaemia (142), acute non-lymphocytic leukaemia (22), non-Hodgkin lymphoma (19) admitted to the main Paediatric Hospital in Turin; response rate 100%; 100% histologically confirmed	307 hospital controls (a random sample of children admitted, excluding children with cancer, Down syndrome, β -thalassemia, infectious mononucleosis, and lymphadenitis or splenic enlargement of unspecified origin; response rate 85%)	Interview-administered standardized questionnaire	Father's employment in wood and furniture industry between child's birth and diagnosis: - NHL	7.1 (1.6–31.3)		

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Colt <i>et al.</i> (2007) Iowa, Los Angeles County, metropolitan Detroit and Seattle, US, 1998–2000	Non-Hodgkin lymphoma (ICD-O-3 967–972)	905 from four SEER registry areas (all cases from Iowa and Seattle, all African American Cases and a random sample of cases from the other two areas), 701 traced, living at interview, permission to contact from physician; response rate 79%; histological confirmation 100%	978 population controls, 841 traced, living at interview; response rate 55%	Interview-administered standardized questionnaire	Ever/never involved in furniture refinishing as a hobby Overall - 1–2 years - 3 years - 4–5 years - 6+ years	0.8 (0.5–1.1) 0.8 (0.5–1.2) 0.8 (0.4–1.5) 0.5 (0.3–0.9) 0.8 (0.5–1.4)	Other hobbies with possible solvent exposure, sex, age, race, education, SEER study area	