Table 2.7 Case-control studies of exposure to formaldehyde and cancer at other sites

Reference, study location, years of study	Characteristics of cases	Characteristics of controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Number of exposed cases	Odds ratio (95% CI)	Adjustment for potential confounders	Comments
Gérin et al. (1989), Canada, 1979–85	Men aged 35–70 yrs resident in Montréal 107 250 787 50 117 452 486 181 121	Pool of population selected from electoral list, and cancer controls; depending of the cancer site under study, the number of controls varied from 1733 to 2741.	Semi-structural probing interview, assessment of exposures by chemists and industrial hygienists	Oesophagus Stomach Colorectum Liver Pancreas Prostate Bladder Kidney Skin melanoma	Short* Long-low Long-medium Long-high	26 67 167 13 23 127 126 44 22	No association for any of these sites (most odds ratios very close to 1.0)	Selection of data-based confounders (variables according to each specific cancer), plus age, ethnic group, socio-economic status, cigarette smoking and dirtiness of job	*Short and long refer to the duration, and low, medium and high to the intensity of exposure
Merletti et al. (1991), Italy, 1982–84	86 male incident cases	Random sample of 385 men, stratified by age, from the files of residents	Full occupatio-nal history linked to a job-exposure matrix	Oral cavity or oropharynx	Any exposure Probable or definite	6	1.6 (0.9–2.8) 1.8 (0.6–5.5)	Age, education, area of birth, tobacco smoking and alcohol drinking	
Goldoft et al. (1993), USA, 1979–89	Nine cases [sex distribution not reported]	Random-digit dialing, frequency-matched on sex and age at diagnosis (controls from Vaughan et al., 1986a, b)	Interview	Melanoma of the nasal cavity or nasopharynx	Living in a residence with foam insulation Occupational exposure Employed in industries with potential exposure*	0 0	O = 0/E = $0.28$ $O = 0/E =$ $0.27$ $O = 0/E = 0.8$		*Wood-work, furniture manufacture, pulp and paper mill, textile, foundry and melter
Siemiatycki et al. (1994), Canada, 1979–86	484 men aged 35–70 years resident in Montréal	533 population and 1879 cancer controls	See Gérin et al. (1989)	Bladder	Non- substantial Substantial	10 11	1.2 (0.9–1.6) 0.9 (0.5–1.7)	Age, ethnicity, socioeconomic status, tobacco smoking, coffee consumption, status of respondent and other occupational exposures	Results based on pooled controls