

Table 2.8 Case-control studies of workers exposed to mineral oils and cancer of the colon and rectum

Reference and study location	Organ site (ICD code)	Characteristics of cases	Characteristics of controls	Exposure assessment	Exposure categories	Number of exposed cases	Relative risk (95% CI)*	Adjustment for potential confounders	Comments
Siemiatycki et al. (1987) Canada	Colon, rectum	Men age 35-70, diagnosed at any of 19 participating hospitals	"Other" cancers for a given type of interes	Job history interpreted by industrial hygienists	Lubricating oils	Colon: 105 Rectum: 61	0.9 (0.8-1.1) 1.0 (0.8-1.2)	Age, socioeconomic status, ethnic group, cigarette smoking, blue collar job history	
					Other mineral oils	Colon: 16 Rectum: 6	1.1 (0.7-1.6) 0.6 (0.3-1.3)		
Gerhardsson de Verdier et al. (1992)	Colon and rectal cancer	569 cases of adenocarcinoma from cancer registry	512 referents from population register	Self-report of occupation, occupational exposures	Cutting fluids/oils	Colon: 25 Rectal: 25	1.5 (0.8-2.8) 2.0 (1.0-4.2)	Age, sex, diet, physical activity, body mass index, family cancer history	