

Table 2.15. Case-study of second-hand tobacco smoke and gastrointestinal cancer

Reference, study location and period	Organ site (ICD code)	Characteristics of cases	Exposure assessment	Exposure categories	n, Crude avg age, Adjusted Difference * $P < 0.05$ vs reference	Adjustment for potential confounders	Comments
Peppone, <i>et al.</i> (2008) USA	Colorectum	3540 cases of colorectum cancer; Patients admitted into Roswell Park Cancer Institute (Buffalo, NY) from 1957–1997	Questionnaires from three periods (1957–1965; 1965–1975; 1982–1997)	Age at diagnosis for lifetime never smokers with exposure to second-hand tobacco smoke (Period, #3 only, 1982–1997)		Sex (for combined analysis), alcohol use, BMI, race, vegetable and meat consumption, and year of admission	Individuals with heavy, long-term tobacco smoke exposure were significantly younger at the time of diagnosis of cancer of the colorectum compared to lifelong never smokers.
				<i>Past & current exposure to second-hand tobacco smoke in never smokers</i>	<i>Combined</i>		
				No exposure to second-hand tobacco smoke (reference)	77, 69.0, Reference		
				Current exposure to second-hand tobacco smoke only	165, 64.5, –2.5		
				Past exposure to second-hand tobacco smoke only	44, 59.8, –8.6*		
				Current and past exposure to second-hand tobacco smoke only	102, 55.3, –11.6*		
					<i>Females</i>		
				No exposure to second-hand tobacco smoke (reference)	55, 70.1, Reference		
				Current exposure to second-hand tobacco smoke only	89, 66.8, –1.6		
				Past exposure to second-hand tobacco smoke only	27, 60.0, –10.6*		
				Current and past exposure to second-hand tobacco smoke only	52, 55.6, –12.5*		
					<i>Males</i>		
				No exposure to second-hand tobacco smoke (reference)	22, 66.1, Reference		
				Current exposure to second-hand tobacco smoke only	76, 61.9, –4.4		
Past exposure to second-hand tobacco smoke only	17, 59.5, –6.7						
Current and past exposure to second-hand tobacco smoke only	50, 55.2, –9.4*						