

Table 2.11. Cohort studies of second-hand tobacco smoke and cancer of the uterine cervix

Reference, location, name of study	Cohort description	Exposure assessment	Organ site (ICD code)	No. of cases/deaths	Exposure categories	(No of cases/person years) Relative risk (95% CI)	Adjustment for potential confounders	Comments	
Trimble <i>et al.</i> (2005) USA	1963 cohort (<i>n</i> = 24 792, 1963–1978); 1975 cohort (<i>n</i> = 26 381 1975–1994); ≥ 25 yrs; no prior cancer diagnosis, not missing info on age, gender, or smoking	Private census Washington Country Cancer Registry Maryland State Death Certificates	Cervix in situ (ICD-8 code 234) Invasive cervical cancer (ICD-8 code 180.0–180.9)	47 cases of invasive cancer of the uterine cervix and 184 cases of cervical carcinoma in situ from 1963 cohort (1963–1978); 47 cases of invasive cancer of the uterine cervix and 71 cases of cervical carcinoma in situ from 1975 cohort (1975–1994)	Never smoker, no second-hand tobacco smoke (ref)	1963 Cohort (30/97 118) 1.0	1963 cohort adjusted: age, education, marital status, and religious attendance 1975 cohort adjusted: age, education, and marital status	Suggests that second-hand tobacco smoke is also associated with increased risk of cervical neoplasia. Evidence from 1963 cohort was stronger, but evidence from 1975 cohort was also compatible with link between second-hand tobacco smoke and risk of developing cervical neoplasia.	
					Second-hand tobacco smoke only	(64/73 491) 2.1 (1.3–3.3)			
					Never smoker, no second-hand tobacco smoke (ref)	1975 Cohort (35/162 130) 1.0			
					Second-hand tobacco smoke only	(20/61194) 1.4 (0.8–2.4)			
					<i>Source of exposure to second-hand tobacco smoke</i>				1963 Cohort (30/97 118) 1.0
					Never smoker, no second-hand tobacco smoke (ref)	(13/22 309) 2.3 (1.1–4.9)			
Other household member Spouse	(51/51 182) 2.0 (1.2–3.3)								
Never smoker, no second-hand tobacco smoke (ref)	1975 Cohort (35/162 130) 1.0								
Other household member Spouse	(6/18 101) 1.3 (0.6–3.2)								
						(14/43 092) 1.6 (0.8–3.2)			