

**Table 2.17. Cohort studies of second-hand tobacco smoke and cancer of the pancreas**

Reference, location, name of study	Cohort description	Exposure assessment	No. of cases/deaths	Exposure categories	(No of cases/person years) Relative risk (95% CI)*	Adjustment for potential confounders	Comments
Gallicchio <i>et al.</i> (2006) USA	1963 cohort: 45749 participants with 15 yrs follow-up; 1975 cohort: 48172 participants with 19 yrs follow-up; $\geq 25$ yrs; no prior cancer diagnosis; not pipe or cigar smokers; not missing information on age, sex, or smoking status (but not data on CPD)	Washington County Cancer Registry	56 cases from 1963 cohort (1963-1978)	<i>Smoking status</i>	<i>1963 Cohort</i> (14/134 243) 1.0 (ref)	Age, education and marital status	No association between household exposure to second-hand tobacco smoke and risk of cancer of the pancreas.
			92 cases from 1975 cohort (1975-1994)	Never-active/no exposure to second-hand tobacco smoke	(8/84 119) 1.1 (0.4-2.8)		
				Exposure to second-hand tobacco smoke only	<i>1975 Cohort</i> (27/223 063) 1.0 (ref)		
				Never-active/no exposure to second-hand tobacco smoke	(7/73 183) 0.9 (0.4-2.3)		
				Exposure to second-hand tobacco smoke only			

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Bao <i>et al.</i> (2009) USA	1976 cohort of 121 700 US nurses; ages 30-55 yrs; 24 yrs of follow-up – 1982-2006; current analysis includes 86 673 women; 384 incident pancreatic cancer cases	Nurses' Health Study; medical & death records; Questionnaire	384 incident cases of cancer of the pancreas from 1982-2006 cohort (86 673 women)	<p><i>Exposure to second-hand tobacco smoke among never-active smokers</i></p> <p><i>Parental smoking</i></p> <p>Neither parent</p> <p>Mother</p> <p>Father</p> <p>Unknown</p> <p><i>Currently exposed at work or home</i></p> <p>None</p> <p>Occasionally</p> <p>Regularly, work or home</p> <p>Regularly, work and home</p> <p>Unknown</p> <p><i>Years lived with smoker as adult</i></p> <p>&lt;5</p> <p>5-19</p> <p>20-29</p> <p>30+</p> <p>Unknown</p>	<p>(65/312069) 1.0 ref</p> <p>(30/143471) 1.52 (0.97-2.39)</p> <p>(68/458754) 0.76 (0.54-1.07)</p> <p>(8/58464) 0.64 (0.31-1.34)</p> <p>(18/129157) 1.0 ref</p> <p>(78/446664) 0.81 (0.52-1.26)</p> <p>(24/140198) 1.13 (0.71-1.79)</p> <p>(10/44866) 1.13 (0.55-2.33)</p> <p>(21/99351) 0.71 (0.32-1.56)</p> <p>(66/433865) 1.0 ref</p> <p>(34/185236) 1.17 (0.77-1.77)</p> <p>(20/108942) 0.90 (0.54-1.49)</p> <p>(22/70090) 1.06 (0.64-1.75)</p> <p>(9/62103) 0.79 (0.39-1.60)</p>	Age, height (quintiles), diabetes (yes/no), and BMI (quintiles)	Positive association with maternal smoking suggests that environmental tobacco smoke, potentially <i>in utero</i> or in early life, may be associated with cancer of the pancreas