

Table 2.16. Cohort studies on tobacco smoking and nasopharynx cancer

Reference Country and years of study	Subjects	Organ site (ICD code)	Number of cases	Smoking categories	Relative risk (95% CI)*	Comments
Hsu et al. (2009) Taiwan 1984-2006	9,699 males without family history of NPC, residents in 6 townships of Taiwan, 30 years of age or older	Nasopharynx	32	<i>Cigarette smoking</i>		Incident cases were ascertained through computerized linkage with the National Cancer Registry. Incidence rate adjusted for age, anti-EBV, viral capsid antigen immunoglobulin A, and anti- EBV DNase
				Never	1.0	
				Ever	1.2 (0.6-2.6)	
				<i>Quantity of smoking (pack-day)</i>		
				Never	1.0	
				< 1	-	
				1 or more	1.7 (0.9-3.5)	
				<i>Duration of smoking (years)</i>		
				Never	1.0	
				< 30	-	
30 or more	3.2 (1.2-8.8)					
<i>Cumulative exposure (pack-years)</i>						
Never	1.0					
< 30	-					
30 or more	3.0 (1.3-7.2)					
Doll et al. (2005) UK 1951-2001	34439 men British doctors	Nasopharynx	4	<i>Cigarette smokers</i>	Mortality rate	Annual mortality rate per 100000 men
				Non smoker	0.0	
				Former smoker	0.5	
				Current smoker	0.4	
				<i>Cigarettes per day</i>		
				1-14	0.0	
				15-24	0.0	
				≥25	1.6	
				<i>Other smokers</i>		
				Former	0.7	
Current	0.3					

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Friborg et al. (2007) Singapore, 1993–2005	Population-based cohort. A total of 63,257 Singapore Chinese aged from 45 to 74 years (27,292 men; 34,028 women). The sampling frame consisted of randomly selected, government-built housing estates all over the city-state (86% of Singaporeans resided in such facilities during the enrolment period) Cases identified by linkage to Singapore cancer registry	Nasopharyngeal	173	<i>Smoking status</i> Never smokers Former smokers Quit > 10 years Quit < 10 years Current smokers <i>Age at smoking initiation, years</i> Never smokers 20 or more 15-19 <15 <i>Smoking history, years</i> Never smokers 1-39 40 or more <i>Number of cigarettes per day</i> Never smokers 1-12 13-22 23 or more	1.0 0.8 (0.5–1.4) 0.5 (0.2-1.1) 1.2 (0.7-2.3) 1.3 (0.9-1.9) 1.0 1.0 (0.6-1.7) 1.6 (1.0-2.5) 1.5 (0.8-2.8) 1.0 1.0 (0.7-1.6) 2.0 (1.2-3.3) 1.0 1.6 (1.0-2.6) 1.1 (0.7-1.9) 1.0 (0.5-2.0)	