

Table 2.18. Case-control studies on tobacco smoking and nasopharyngeal cancer

Reference, Country and years of study	Smoking categories	Relative risk (95% CI)	Comments
Cheng <i>et al.</i> (1999) Taiwan 1991-1994	Never smoker	1.0	Adjusted for age, sex, race, educational level, family history of NPC, drinking status
	Ever smoker	1.4 (0.9–2.0)	
	<i>Smoking status</i>		
	Never	1.0	
	Former	1.1 (0.6-2.1)	
	Current	1.5 (1.0-2.1)	
	<i>Inhalation</i>		
	Never smoker	1.0	
	No	1.5 (0.9-2.6)	
	Yes	1.3 (0.9-2.0)	
	<i>Age starting smoking (years)</i>		
	Never	1.0	
	<20	1.3 (0.8-2.0)	
	20 or more	1.4 (0.9-2.2)	
	<i>Intensity of smoking (cigarettes/day)</i>		
	None	1.0	
	<20	1.4 (0.9-2.1)	
	20 or more	1.4 (0.9-2.2)	
	<i>Duration of smoking (years)</i>		
	None	1.0	
<25	1.1 (0.7-1.8)		
25 or more	1.7 (1.1-2.9)		
<i>Cumulative exposure to active smoking (pack-years)</i>			
None	1.0		
<20	1.3 (0.8-2.0)		
20 or more	1.5 (0.9-2.4)		
Guo <i>et al.</i> (2009) China 2004-2005	Never smokers	1.0	Adjusted for relatives with NPC, salty fish, preserved meat, wood fire, solvent exposure.
	Smokers (cigarettes/day)	0.92 (0.76–1.12)	
	<10	0.70 (0.41–1.19)	
	10-20	0.89 (0.72–1.10)	
	>20	1.23 (0.84–1.81)	

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Feng et al. (2009) Algeria, Morocco, Tunisia	All patients		Adjusted for age, SES and dietary factors.
	<i>Cigarette smoking</i>		
	Never	1.0	
	Ever	1.28 (0.93-1.77)	
	<i>Smoking history</i>		
	Never	1.0	
	1-20 years	1.40 (0.94-2.09)	
	>20 years	1.22 (0.84-1.79)	
	<i>Cigarettes per day</i>		
	None	1.0	
	1-12	1.09 (0.70-1.68)	
	13-22	1.30 (0.89-1.90)	
	>22	1.62 (0.97-2.72)	
	Undifferentiated nasopharyngeal carcinoma		
	<i>Cigarette smoking</i>		
	Never	1.0	
	Ever	1.21 (0.87-1.68)	
	<i>Smoking history</i>		
	Never	1.0	
	1-20 years	1.28 (0.85-1.93)	
	>20 years	1.18 (0.80-1.73)	
	<i>Cigarettes per day</i>		
	None	1.0	
	1-12	1.01 (0.65-1.59)	
	13-22	1.24 (0.84-1.82)	
	>22	1.52 (0.89-2.58)	
	Differentiated NPC		
<i>Cigarette smoking</i>			
Never	1.0		
Ever	3.3 (0.30-35.8)		
<i>Smoking history</i>			
Never	1.0		
1-20 years	2.37 (0.13-44.6)		
>20 years	3.80 (0.32-45.6)		
<i>Cigarettes per day</i>			
None	1.0		
1-12	0.58 (0.00-1.05)		
13-22	0.13 (0.00-11.16)		
>22	313 (1.94-50336)		

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Marsh et al. (2007)	NPC		Adjusted for age, race, sex and year of birth (± 2 years), smoking history, silver smithing and the combined group.
	<i>Smoking status</i>		
	Never	1.0	
	Ever	3.04 (0.33- ∞)	
	Unknown	0.38 (0.03- ∞)	