

Table 2.22. Case-control studies on tobacco smoking and oesophageal cancer (unspecified) or squamous cell carcinoma of the oesophagus: smoking cessation

Reference, Country and years of study	Cancer subsite	Years since quitting	Relative risk (95%CI)	Comments
Launoy et al. (2000) France 1991-1994	Squamous cell carcinoma	Type of tobacco		Adjusted for age, interviewer, sociodemographic factors, total alcohol intake, beer, aniseed aperitifs, hot calvados, whisky, butter, vegetables, fish and oleaginous fruits
		<i>Hand-rolled cigarettes</i>		
		Current smokers	1.0	
		1-5	0.55 (0.14-2.15)	
		6-10	1.46 (0.30-7.17)	
		>10	0.90 (0.38-2.11)	
		Never smokers	0.44 (0.20-0.93)	
		<i>Manufactured cigarettes</i>		
		Current smokers	1.0	
		1-5	0.96 (0.45-2.05)	
		6-10	0.60 (0.24-1.25)	
		>10	0.47 (0.27-0.82)	
		Never smokers	0.46 (0.24-0.86)	
		<i>Pipe</i>		
		Current smokers	1.0	
		1-5	0.26 (0.01-8.48)	
		6-10	0.05 (0.01-1.20)	
		>10	0.03 (0.01-0.38)	
		Never smokers	0.10 (0.01-0.74)	
		<i>Mild tobacco</i>		
		Current smokers	1.0	
		1-5	0.52 (0.05-5.50)	
		6-10	1.06 (0.07-16.41)	
		>10	0.99 (0.35-2.77)	
		Never smokers	1.36 (0.55-3.33)	
		<i>Dark tobacco</i>		
		Current smokers	1.0	
		1-5	0.75 (0.37-1.52)	
6-10	0.66 (0.30-1.49)			
>10	0.47 (0.28-0.79)			
Never smokers	0.27 (0.13-0.56)			
Type of tobacco				
<i>Light cigarette (tar <20mg)</i>				
Current smokers	1.0			
1-5	0.96 (0.29-3.21)			
6-10	0.72 (0.12-4.46)			
>10	0.58 (0.22-1.55)			
Never smokers	0.92 (0.45-1.85)			

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Launoy et al. (2000) (contd)	Squamous cell carcinoma	<i>Strong cigarettes (tar >20mg)</i>		Adjusted for age, interviewer, sociodemographic factors, total alcohol intake, beer, aniseed aperitifs, hot calvados, whisky, butter, vegetables, fish and oleaginous fruits
		Current smokers	1.0	
		1-5	0.96 (0.38-2.38)	
		6-10	0.45 (0.17-1.20)	
		>10	0.48 (0.26-0.91)	
		Never smokers	0.36 (0.19-0.68)	
		<i>Filter-tipped cigarettes</i>		
		Current smokers	1.0	
		1-5	1.08 (0.36-3.23)	
		6-10	0.57 (0.11-2.90)	
		>10	0.70 (0.28-1.75)	
		Never smokers	0.87 (0.45-1.66)	
		<i>Non-filter-tipped cigarettes</i>		
		Current smokers	1.0	
		1-5	0.98 (0.41-2.35)	
6-10	0.52 (0.19-1.40)			
>10	0.46 (0.26-0.82)			
Never smokers	0.53 (0.29-0.97)			
Bosetti et al. (2000b) Italy and Switzerland 1992-99	Squamous cell carcinoma	Current smoker	1.0	Adjusted for age, sex, study centre, education, alcohol intake
		1-2	1.37 (0.64-2.96)	
		3-5	1.10 (0.60-2.04)	
		6-9	0.58 (0.31-1.07)	
		≥15	0.31 (0.20-0.49)	
		Never smoker	0.23 (0.15-0.35)	
Castellsagué et al. (2000) Argentina, Brazil, Paraguay and Uruguay 1986-1992	Squamous cell carcinoma	Current smoker	1.0	Adjusted for age group, hospital, years of schooling, average amount of pure ethanol consumed per day
		Ex-smoker	0.5 (0.4-0.7)	
		1-2	0.7 (0.4-1.0)	
		3-7	0.6 (0.4-1.0)	
		8-12	0.4 (0.3-0.6)	
		13-23	0.5 (0.4-0.8)	
		≥24	0.5 (0.3-0.7)	
		Never smoker	0.2 (0.1-0.4)	
Gallus et al. (2003a) Italy and Switzerland 1992-1999	Squamous cell carcinoma	Never smokers	1.0	Estimates from unconditional multiple logistic regression models, including terms for age, sex, study centre, education and alcohol consumption
		<i>Time since smoking cessation (years)</i>		
		10	4.1 (2.5-7.0)	
		≥10	1.4 (0.9-2.3)	

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Lee et al. (2005) Taiwan 2000-2003	Squamous cell carcinoma	Current smoker	1.0	Adjusted for age, gender, hospital, education, consumption of vegetables and fruits and g/day-year of alcohol drinking
		1-5	1.4 (0.8-2.3)	
		6-10	0.4 (0.2-0.9)	
		>10	0.5 (0.3-0.9)	
		Never smoker	0.2 (0.2-0.3)	
Znaor <i>et al.</i> (2003) India 1993-1999	Oesophageal	<i>Time since quitting smoking (yr)</i>		Adjusted for age, center, education level, alcohol consumption and chewing
		Current smokers	1.0	
		2-4	0.59 (0.38-0.93)	
		5-9	0.63 (0.38-1.06)	
		10-14	0.45 (0.24-0.81)	
≥15	0.53 (0.31-0.90)			
Hashibe et al. (2007a) Czech Republic, Poland, Romania and Russia 2000-2002	Squamous cell carcinoma	Current smoker	1.00	Adjusted for age, sex, education, BMI, fruit intake, vegetable intake, center, alcohol drinking (years & grams of ethanol/week)
		2-4	0.32 (0.09-1.18)	
		5-9	0.89 (0.4-1.96)	
		10-19	0.30 (0.13-0.72)	
		>20	0.16 (0.07-0.39)	
		Never smoker	0.13 (0.07-0.25)	
Vioque et al. (2008) Spain 1995-1999	Squamous cell carcinoma	Current smoker (years)	1.0	Adjusted for sex, age, educational level, province, alcohol drinking, energy-adjusted intake of fruits and vegetables, and energy intake
		< 10	0.44 (0.20-0.96)	
		≥ 10	0.49 (0.23-1.06)	
Bosetti <i>et al.</i> (2008) Italy 1984-2000	Oesophageal cancer unspecified	<i>Ex-smokers</i>		Estimated from unconditional logistic regression with adjustment for age, study center, education, and alcohol drinking
		<i>Time since cessation (years)</i>		
		<10	0.78 (0.59-1.05)	
		10-19	0.40 (0.28-0.58)	
		≥20	0.36 (0.24-0.55)	
		<i>Age at cessation (years)</i>		
		<35	0.40 (0.23-0.69)	
		35-44	0.33 (0.21-0.53)	
		45-54	0.50 (0.36-0.70)	
55-64	0.89 (0.63-1.27)			

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Pandeya et al. (2008) Australia 2001-05	Squamous cell carcinoma	Never smokers	1.0	Adjusted for sex, age, education, frequency of aspirin use, average alcohol intake, BMI in the past year, heartburn or acid reflux
		≤10 (ex-smokers only)	2.39 (1.42-4.01)	
		10.01-20	2.94 (1.77-4.89)	
		20.01-30	2.20 (1.32-3.66)	
		>30	1.44 (0.82-2.52)	