

**Table 2.23. Case-control studies on tobacco smoking and oesophageal cancer (unspecified) or squamous cell carcinoma of the oesophagus: type of tobacco and/or cigarette**

Reference Country and years of study	Cancer subsite	Type of tobacco	Relative risk (95% CI)	Comments
Launoy et al. (2000) France 1991-1994	Squamous cell carcinoma	<b>Type of tobacco</b> (consumption in years)		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>		
		0	1.0	
		1-15	1.61 (0.82-3.19)	
		16-30	1.71 (0.77-3.81)	
		>30	2.65 (1.33-5.28)	
		<i>Manufactured cigarettes</i>		
		0	1.0	
		1-15	1.28 (0.65-2.52)	
		16-30	1.11 (0.55-2.22)	
		>30	1.76 (0.98-3.16)	
		<i>Pipe</i>		
		0	1.0	
		1-15	0.95 (0.25-3.55)	
		16-30	0.24 (0.03-1.73)	
		>30	4.82 (0.63-37.52)	
		<i>Mild tobacco</i>		
		0	1.0	
		1-15	0.76 (0.43-1.34)	
		16-30	0.95 (0.27-3.42)	
>30	0.30 (0.04-2.13)			
<i>Dark tobacco</i>				
0	1.0			
1-15	1.67 (0.73-3.83)			
16-30	1.81 (0.85-3.88)			
>30	3.18 (1.58-6.43)			
<i>Light cigarette (tar &lt;20mg)</i>				
0	1.0			
1-15	0.92 (0.44-1.89)			
16-30	0.72 (0.35-1.51)			
>30	1.60 (0.54-4.72)			

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Launoy et al. (2000) (contd)	Squamous cell carcinoma	<b>Type of tobacco</b>		Adjusted for age, interviewer, sociodemographic factors, total alcohol intake, beer, aniseed aperitifs, hot calvados, whisky, butter, vegetables, fish and oleaginous fruits
		<i>Strong cigarettes (tar &gt;20mg)</i>		
		0	1.0	
		1-15	1.94 (1.05-3.61)	
		16-30	1.53 (0.85-2.88)	
		>30	1.87 (1.06-3.29)	
		<i>Filter-tipped cigarettes</i>		
		0	1.0	
		1-15	0.81 (0.40-1.64)	
		16-30	1.13 (0.56-2.26)	
		>30	1.44 (0.60-3.46)	
		<i>Non-filter-tipped cigarettes</i>		
		0	1.0	
1-15	0.98 (0.53-1.82)			
16-30	1.09 (0.59-2.01)			
>30	1.39 (0.79-2.45)			
Znaor et al. (2003) India 1993-1999	Oesophageal	Never smoker	1.0	Adjusted for age, center, education level, alcohol consumption and chewing
		Cigarette only	1.83 (1.34-2.50)	
		Bidi only	3.28 (2.45-4.39)	
		Cigarette and bidi only	2.72 (1.95-3.79)	
		Chutta only	1.20 (0.55-2.61)	
		Cigar/cheroot only	3.17 (1.24-8.09)	
		Other combinations	1.39 (0.45-4.23)	
Hashibe et al. (2007a) Czech Republic, Poland, Romania and Russia 2000-2002	Squamous cell carcinoma	<i>Type of tobacco</i>		Adjusted for age, sex, education, BMI, fruit intake, vegetable intake, center, alcohol drinking (years and grams ethanol/week)
		Non smoker	1.0	
		Cigarette only	5.62 (3.08-10.28)	
		Cigar only	5.52 (1.71-17.86)	
Randi et al. (2007) Italy and Switzerland 1984-1999	Oesophageal	Pipe		Estimates from multiple logistic regression models including terms for age, center, education, body mass index, and alcohol consumption
		Never	1.0	
		Ever	7.16 (2.28-22.50)	
Vioque et al. (2008) Spain 1995-1999	Squamous cell carcinoma	<i>Type of tobacco</i>		Adjusted for sex, age, educational level, province, alcohol drinking, energy-adjusted intake of fruits and vegetables, and energy intake
		Non smoker	1.0	
		Blond	0.80 (0.28-2.30)	
		Black	2.05 (0.85-4.97)	