

Table 2.29. Case-control studies on tobacco smoking and laryngeal cancer: smoking cessation

Reference, Country and years of study	Cancer subsite	Years since quitting	Relative risk (95% CI)	Comments
Schlecht <i>et al.</i> (1999b) Brazil 1986-1989	Larynx	Never smoker	1.0	Conditional logistic regression (matching variables: age, sex, location, and admission period) adjusted for alcohol and tobacco consumption “Other than“ category includes current and former exclusive smokers of forms of tobacco other than the one specified to allow the referent category of never smokers to be same for all tobacco types, i.e., never smokers of any type
		<i>All tobacco products</i>		
		Current smokers	11.7 (4.4-31.5)	
		Ex-smokers ≤1 yrs	10.5 (3.0-36.6)	
		Ex-smokers 2-5 yrs	7.7 (2.4-25.2)	
		Ex-smokers 6-10 yrs	2.7 (0.8-9.6)	
		Ex-smokers 11-15 yrs	5.9 (1.4-24.2)	
		Ex-smokers 16-20 yrs	1.5 (0.3-8.6)	
		Ex-smokers ≥20 yrs	3.1 (1.0-9.4)	
		<i>Commercial cigarettes</i>		
		Current smokers	10.2 (3.7-27.9)	
		Ex-smokers ≤5 yrs	11.8 (3.7-38.0)	
		Ex-smokers 6-10 yrs	5.0 (1.3-19.1)	
		Ex-smokers 11-15 yrs	6.6 (1.0-42.1)	
		Ex-smokers >15 yrs	1.3 (0.3-6.0)	
		Other than cigarettes	7.4 (2.6-21.5)	
		<i>Black tobacco</i>		
		Current smokers	17.8 (6.3-50.4)	
		Ex-smokers ≤5 yrs	12.2 (3.6-41.0)	
		Ex-smokers 6-10 yrs	3.3 (0.8-14.1)	
Ex-smokers 11-15 yrs	5.1 (0.9-28.1)			
Ex-smokers 16-20	2.0 (0.3-11.5)			
Ex-smokers >20 yrs	5.6 (1.8-17.6)			
Other than black tobacco	6.1 (2.3-16.1)			
Talamini <i>et al.</i> (2002) Italy and Switzerland 1992–2000	Squamous cell carcinoma ICD-9 161.0 supraglottis 161.2 subglottis 161.3 laryngeal cartilage 161.8 overlapping larynx 161.9 larynx unspecified	Never smokers	1.0	Adjusted for sex, age, center, education and alcohol intake
		Current smokers	19.8 (11.9-32.9)	
		<10	11.2 (6.1-20.6)	
		10-19	4.2 (2.2-7.8)	
		≥20	2.9 (1.5-5.6)	
Hashibe <i>et al.</i> (2007b) Hungary, Poland, Romania, Russia, Slovakia 2000-02	Squamous cell carcinoma ICD-10 32.0 glottis 32.1 supraglottis 32.2 subglottis 32.8 overlapping 32.9 unspecified	Current smokers	1.00	Adjusted by age, sex, alcohol intake (years and grams of ethanol per week), education, BMI, fruit and vegetable intake, center
		2-4	0.70 (0.33-1.49)	
		5-9	0.52 (0.28-0.99)	
		10-19	0.47 (0.25-0.89)	
		≥20	0.10 (0.04-0.22)	

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Bosetti <i>et al.</i> (2008) Italy 1984-2000	Laryngeal cancer	<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	0.83 (0.63-1.09)	
		10-19	0.33 (0.23-0.47)	
		≥20	0.18 (0.12-0.27)	
		<i>Age at cessation (years)</i>		
		<35	0.11 (0.06-0.23)	
		35-44	0.28 (0.19-0.42)	
45-54	0.46 (0.33-0.64)			
55-64	0.85 (0.62-1.18)			