

**Table 2.26. Cohort studies on tobacco smoking and laryngeal cancer**

Reference, Country and years of study	Subjects	Organ site (ICD code)	Number of cases	Smoking categories	Relative risk (95%CI)*	Comments
Jee et al. (2004) Korea 1993-2001	1212906 adults included in the Korean Medical Insurance Corporation	Larynx	526 cases 223 deaths	<i>Incidence</i> Never smokers Former smokers Current smokers <i>Mortality</i> Never smokers Former smokers Current smokers	1.0 3.3 (2.1–5.1) 5.4 (3.5–8.1) 1.0 3.6 (1.8–7.3) 6.5 (3.3–12.8)	
Yun <i>et al.</i> (2005) Korea 1996-2000	733,134 Korean men aged 30 years or older	Larynx	103 incident cases	Never Former Current <i>Current, cigarettes smoked per day</i> 1-9 10-19 ≥20 <i>Current smokers</i> <i>Years of smoking duration</i> Never 1-19 20-29 30 <i>Former smokers</i> Never 1-19 20-29 30	1.0 1.12 (0.51-2.46) 3.01 (1.58-5.72) 1.14 (0.39-3.29) 2.94 (1.50-5.74) 5.20 (2.52-10.7) 1.0 1.95 (0.85-4.49) 3.12 (1.52-6.39) 3.67 (1.81-7.44) 1.0 0.76 (0.28-2.06) 1.72 (0.55-5.43) 1.55 (0.34-7.09)	Adjusted for age, place of residence, alcohol consumption, BMI, leisure-time physical activity frequency, preferences for vegetables and meats, and frequency of meat consumption
Doll et al. (2005) UK 1951-2001	34 439 men British doctors	Larynx	40	Non smoker Former smoker Current smoker <i>Cigarettes per day</i> 1–14 15–24 ≥25	Mortality rate 0.0 2.6 10.3 6.0 8.5 17.3	Annual mortality rate for 100 000 men

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Freedman <i>et al.</i> (2007a) USA 1995-00	National Institutes of Health/American Association of Retired Persons Diet and Health Study 283 691 men 192 520 women	Larynx	217 men, 49 women	<b>Men</b> Never smokers Former smokers Current smokers <i>Years of cessation</i> Stopped ≥ 10 y Stopped 5-9 y Stopped 1-4 y <i>Usual no. of cigarettes</i> ≤ 1 packs/d >1 to ≤2 packs/d >2 packs/d <b>Women</b> Never smokers Former smokers Current smokers <i>Years of cessation</i> Stopped ≥ 10 y Stopped 5-9 y Stopped 1-4 y <i>Usual no. of cigarettes</i> ≤ 1 packs/d >1 to ≤2 packs/d >2 packs/d	1.0 3.06 (1.82-5.13) 13.88 (8.15-23.64) 2.54 (1.49-4.35) 4.51 (2.33-8.73) 6.62 (3.28-13.34) 4.66 (2.77-7.83) 4.38 (2.55-7.51) 5.95 (3.27-10.82) - 1.0 6.28 (3.17-12.45) 1.0 6.18 (1.47-25.93) 7.76 (1.73-34.84) 1.0 2.24 (1.24-4.07) 2.17 (0.74-6.36)	Hazard ratios from Cox models adjusted for sex, age at entry into cohort, BMI, education, alcohol intake, vigorous physical activity, usual activity throughout the day, fruit intake, vegetable intake, and total energy.