

Table 2.4. Case-control study on consumption of alcoholic beverages and cancer of the oral cavity and pharynx

Reference, study location, period	Organ site (ICD code)	Characteristics of cases	Characteristics of controls	Exposure assessment	Exposure categories	Relative risk	95% CI	Adjustment factors	Comments
Yen <i>et al.</i> (2008) Taiwan, China	Oral cavity	191 male cases accrued from Department of Otolaryngology, Taichung Veterans General Hospital	8080 male patients without oral cavity cancer from the same department. No matching.	No information	<i>Alcohol consumption during the previous 6 months</i> Non drinker/ non smoker Ever drinker/non smoker Ever drinker/ever smoker Ever drinker/ever betel quid Ever drinker/ever smoker/ever betel quid	1.0 0.95 9.03 16.08 39.66	 0.29–3.11 5.36–15.2 5.34–48.4 26.0–60.4	Age, smoking, betel quit chewing	No details on the multivariate model.

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Vaughan <i>et al.</i> , (1996) USA	Nasopharynx (ICD-O 147)	Interviews completed for 231 (196 epithelial cancer) cases identified through the populations-based cancer registries (SEER), 82% response rate. Mean age 54.2 years.	244 controls identified by random-digit dialing and frequency-matched by gender and age. 70% response rate. Mean age 55.2 years	Telephone Interview	Alcohol use All epithelial (n= 196) 0–6 drinks/week 7–13 drinks/week 14–20 drinks/week 21+ drinks per week P for trend <i>Undifferentiated and nonkeratinizing (n = 54)</i> 0–6 drinks/week 7–13 drinks/week 14–20 drinks/week 21+ drinks per week P for trend <i>Differentiated Squamous cell (n = 118)</i> 0–6 drinks/week 7–13 drinks/week 14–20 drinks/week 21+ drinks per week P for trend <i>Epithelial NOS (n = 24)</i> 0–6 drinks/week 7–13 drinks/week 14–20 drinks/week 21+ drinks per week P for trend	1.0 1.0 0.9 2.0 0.15 1.0 1.5 1.0 1.3 0.15 – 1.0 0.9 0.9 2.9 0.04 1.0 1.0 1.6 3.0 0.16	– 0.6–1.9 0.4–2.0 1.0–4.0 0.5–4.0 0.3–3.8 0.3–5.1 0.4–2.0 0.3–2.8 1.2–6.9 0.2–4.6 0.3–7.5 0.7–58.4	Adjusted for age, gender, SEER site, education and smoking	An association was also found between smoking and differentiated carcinomas, but not for undifferentiated carcinomas.

CI, confidence interval