

Supplemental Table 2. Adjusted odds ratios (OR) and 95% confidence intervals (CI) for the association between head and neck cancer and diabetes (yes/no) stratified by location of tumor, INHANCE Pooled Case-Control Study of Head and Neck Cancer^a

| Diabetes (yes/no) | Cases exposed/ unexposed N | Controls exposed/ unexposed N | Covariate Set 1 ^b | | Covariate Set 2 ^c | |
|-------------------------|----------------------------------|-------------------------------------|------------------------------|-------------|------------------------------|-------------|
| | | | OR | (95% CI) | OR | (95% CI) |
| Oral cavity | | | | | | |
| All | 73/945 | 984/12156 | 0.81 | (0.61-1.06) | 1.03 | (0.78-1.37) |
| Women | 20/287 | 239/3524 | 0.69 | (0.40-1.19) | 0.89 | (0.51-1.56) |
| Men | 53/658 | 745/8632 | 0.87 | (0.63-1.20) | 1.11 | (0.80-1.54) |
| Oropharynx | | | | | | |
| All | 114/1411 | 984/12156 | 0.90 | (0.72-1.12) | 1.06 | (0.84-1.34) |
| Women | 15/248 | 239/3524 | 0.70 | (0.37-1.30) | 0.83 | (0.44-1.56) |
| Men | 99/1163 | 745/8632 | 0.96 | (0.75-1.22) | 1.13 | (0.88-1.45) |
| Hypopharynx | | | | | | |
| All | 35/523 | 984/12156 | 0.73 | (0.49-1.07) | 0.98 | (0.66-1.45) |
| Women | 8/72 | 239/3524 | 1.38 | (0.58-3.25) | 1.96 | (0.79-4.83) |
| Men | 27/451 | 745/8632 | 0.63 | (0.40-0.97) | 0.83 | (0.53-1.29) |
| Oral cavity/pharynx NOS | | | | | | |
| All | 61/764 | 984/12156 | 0.75 | (0.56-1.00) | 0.87 | (0.65-1.16) |
| Women | 19/225 | 239/3524 | 0.91 | (0.53-1.55) | 0.99 | (0.58-1.71) |
| Men | 42/539 | 745/8632 | 0.71 | (0.51-1.01) | 0.85 | (0.60-1.20) |
| Larynx | | | | | | |
| All | 215/1920 | 984/12156 | 0.98 | (0.81-1.18) | 1.08 | (0.89-1.31) |
| Women | 37/248 | 239/3524 | 1.03 | (0.62-1.73) | 1.08 | (0.63-1.85) |
| Men | 178/1672 | 745/8632 | 0.95 | (0.77-1.17) | 1.05 | (0.86-1.30) |

^a Analyses do not include Seattle (OralGen)²⁷ because two sites were not included in this study (hypopharynx and larynx).

^b Adjusted for age, race, sex, study centers, education level, pack-years of cigarette smoking, and alcohol drinks per day.

^c Adjusted for age, race, sex, study centers, education level, pack-years of cigarette smoking, alcohol drinks per day, and BMI.