

**Supplemental Table 4. Adjusted odds ratios (OR) and 95% confidence intervals (CI) for the association between head and neck cancer and age at diabetes diagnosis,<sup>a</sup> INHANCE Pooled Case-Control Study of Head and Neck Cancer.<sup>b</sup>**

Measure	Cases N	Controls N	Covariate Set 1 <sup>c</sup>		Covariate Set 2 <sup>d</sup>	
			OR	(95% CI)	OR	(95% CI)
<b>Diabetes diagnosis age</b>						
All:						
No history of diabetes	4686	9006	ref	ref	ref	ref
< 50 years old	158	234	1.14	(0.90-1.44)	1.37	(1.07-1.74)
≥ 50 years old	258	463	0.87	(0.73-1.04)	1.00	(0.83-1.20)
Women:						
No history of diabetes	868	2767	ref	ref	ref	ref
< 50 years old	39	72	1.16	(0.73-1.83)	1.43	(0.90-2.28)
≥ 50 years old	55	119	1.13	(0.78-1.63)	1.44	(0.99-2.09)
Men:						
No history of diabetes	3818	6239	ref	ref	ref	ref
< 50 years old	119	162	1.13	(0.86-1.49)	1.35	(1.02-1.79)
≥ 50 years old	203	344	0.81	(0.66-0.99)	0.90	(0.73-1.11)
<b>Diabetes duration</b>						
All:						
No history of diabetes	4686	9006	ref	ref	ref	ref
> 0 to ≤10 years	250	393	0.97	(0.80-1.18)	1.15	(0.95-1.39)
> 10 years	139	229	1.02	(0.80-1.31)	1.16	(0.90-1.49)
Women:						
No history of diabetes	868	2767	ref	ref	ref	ref
> 0 to ≤10 years	53	107	1.05	(0.71-1.54)	1.39	(0.94-2.05)
> 10 years	36	63	1.35	(0.83-2.18)	1.58	(0.97-2.57)
Men:						
No history of diabetes	3818	6239	ref	ref	ref	ref
> 0 to ≤10 years	197	286	0.95	(0.77-1.18)	1.09	(0.88-1.35)
> 10 years	103	166	0.93	(0.70-1.24)	1.05	(0.78-1.40)

<sup>a</sup> Score test for trend of odds:  $p < 0.001$ .

<sup>b</sup> Based on data from the following studies: Milan, Aviano, Italy Multicenter, Switzerland-Vaud, Seattle (OralGen),<sup>27</sup> Tampa, Los Angeles, Germany-Saarland, North Carolina.

<sup>c</sup> Adjusted for age, race, sex, study centers, education level, pack-years of cigarette smoking, and alcohol drinks per day.

<sup>d</sup> Adjusted for age, race, sex, study centers, education level, pack-years of cigarette smoking, alcohol drinks per day, and BMI.