

Table SI. Subgroup analysis evaluating factors associated with the development of head and neck cancer

		Group	N	Event	Duration	IR, per 1000 PY	HR (95% CI)	<i>p</i> for interaction
Age groups	<40	Non-psoriasis	1,210,691	431	12,457,525	0.035	1 (Ref.)	0.72
		Psoriasis	6,477	2	66,579	0.030	0.83 (0.21, 3.32)	
	40-64	Non-psoriasis	2,144,117	3,538	21,938,462	0.161	1 (Ref.)	
		Psoriasis	14,744	42	150,269	0.280	1.44 (1.06, 1.95)	
	≥65	Non-psoriasis	488,980	1,730	4,569,310	0.379	1 (Ref.)	
		Psoriasis	4,255	23	38,611	0.596	1.31 (0.87, 1.97)	
Sex	Male	Non-psoriasis	2,102,189	4,527	21,188,658	0.214	1 (Ref.)	0.27
		Psoriasis	15,688	54	155,935	0.346	1.29 (0.98, 1.68)	
	Female	Non-psoriasis	1,741,599	1,172	17,776,639	0.066	1 (Ref.)	
		Psoriasis	9,788	13	99,525	0.131	1.82 (1.05, 3.13)	
BMI	<25	Non-psoriasis	2,589,102	3,783	26,219,092	0.144	1 (Ref.)	0.35
		Psoriasis	16,453	47	164,462	0.286	1.48 (1.11, 1.97)	
	≥25	Non-psoriasis	1,254,686	1,916	12,746,205	0.150	1 (Ref.)	
		Psoriasis	9,023	20	90,998	0.220	1.15 (0.74, 1.79)	
Abdominal obesity	No	Non-psoriasis	3,089,181	4,240	31,373,388	0.135	1 (Ref.)	0.91
		Psoriasis	19,370	47	194,885	0.241	1.37 (1.03, 1.83)	
	Yes	Non-psoriasis	754,607	1,459	7,591,908	0.192	1 (Ref.)	
		Psoriasis	6,106	20	60,575	0.330	1.33 (0.86, 2.07)	
Smoking	Non, Ex	Non-psoriasis	2,832,889	3,414	28,769,459	0.119	1 (Ref.)	0.74
		Psoriasis	17,818	37	178,842	0.207	1.32 (0.95, 1.82)	
	Current	Non-psoriasis	1,010,899	2,285	10,195,838	0.224	1 (Ref.)	

Alcohol	Non, Mild	Psoriasis	7,658	30	76,618	0.392	1.43 (0.99, 2.04)	0.21
		Non-psoriasis	3,535,130	4,859	35,854,377	0.136	1 (Ref.)	
	Heavy	Psoriasis	23,261	54	233,172	0.232	1.28 (0.98, 1.67)	
		Non-psoriasis	308,658	840	3,110,920	0.270	1 (Ref.)	
Regular exercise	No	Psoriasis	2,215	13	22,288	0.583	1.89 (1.09, 3.26)	0.80
		Non-psoriasis	3,158,330	4,538	31,997,734	0.142	1 (Ref.)	
	Yes	Psoriasis	20,546	53	205,907	0.257	1.39 (1.06, 1.82)	
		Non-psoriasis	685,458	1,161	6,967,563	0.167	1 (Ref.)	
Diabetes mellitus	No	Psoriasis	4,930	14	49,553	0.283	1.28 (0.76, 2.17)	0.24
		Non-psoriasis	3,510,626	4,804	35,722,452	0.134	1 (Ref.)	
	Yes	Psoriasis	22,494	58	227,117	0.255	1.46 (1.13, 1.89)	
		Non-psoriasis	333,162	895	3,242,844	0.276	1 (Ref.)	
Hypertension	No	Psoriasis	2,982	9	28,343	0.318	0.96 (0.49, 1.85)	0.28
		Non-psoriasis	2,863,196	3,372	29,254,675	0.115	1 (Ref.)	
	Yes	Psoriasis	17,457	31	177,347	0.175	1.19 (0.84, 1.70)	
		Non-psoriasis	980,592	2,327	9,710,621	0.240	1 (Ref.)	
Dyslipidemia	No	Psoriasis	8,019	36	78,113	0.461	1.56 (1.12, 2.16)	0.72
		Non-psoriasis	3,150,813	4,403	31,988,137	0.138	1 (Ref.)	
	Yes	Psoriasis	19,562	49	196,875	0.249	1.40 (1.06, 1.86)	
		Non-psoriasis	692,975	1,296	6,977,159	0.186	1 (Ref.)	
		Psoriasis	5,914	18	58,585	0.307	1.27 (0.80, 2.02)	

IR: incidence rate; HR: hazard ratio; CI: confidence interval.