

Table SII. Weighted prevalence of positive patch tests to nickel in different categories. Risk of nickel allergy is expressed as crude (Crude) and adjusted (Adj.; adjusted for sex, atopy, sequence orthodontic appliance – piercing) odds ratios (OR) with 95% confidence interval (95% CI). Reference category is indicated as (ref)

Variable	Girls			Boys			Total					
	n	%	Crude OR (95% CI) <sup>a</sup>	Adj OR (95% CI) <sup>a</sup>	n	%	Crude OR (95% CI) <sup>a</sup>	Adj OR (95% CI) <sup>a</sup>	n	%	Crude OR (95% CI)	Adj OR (95% CI)
Sex (ref= boys)	446/2,973	15.0			40/1474	2.7			486/4,447	10.9	<b>6.4 (4.6–8.9)</b>	<b>5.1 (3.6–7.2)<sup>b</sup></b>
Educational programme												
Natural sciences (ref)	35/376	9.3			3/197	1.5			38/573	6.6		
Social sciences	124/1,061	11.7	1.3 (0.9–1.9)	1.3 (0.9–1.9)	11/341	3.2	2.2 (0.6–8.4)	2.3 (0.6–8.6)	135/1,402	9.6	<b>1.5 (1.0–2.2)</b>	1.3 (0.9–2.0)
Arts	26/247	10.5	1.2 (0.7–2.0)	1.2 (0.7–2.0)	1/45	2.2	1.0 (0.1–15.6)	1.0 (0.1–16.5)	27/292	9.2	1.4 (0.8–2.4)	1.1 (0.7–2.0)
Vocational	262/1,289	20.3	<b>2.5 (1.7–3.7)</b>	<b>2.2 (1.5–3.3)</b>	25/891	2.8	2.0 (0.6–7.0)	2.0 (0.6–7.1)	287/2,180	13.2	<b>2.2 (1.5–3.1)</b>	<b>2.2 (1.5–3.2)</b>
Piercing												
Yes	434/2,561	16.9	<b>6.5 (3.7–11.5)</b>	<b>5.6 (3.1–10.0)</b>	11/302	3.6	1.5 (0.8–3.1)	1.4 (0.6–3.3)	445/2,863	15.5	<b>6.9 (5.0–9.6)</b>	<b>3.4 (2.3–5.0)</b>
No (ref)	13/413	3.1			28/1165	2.4			41/1,578	2.6		
Age at piercing												
1–8 years	181/929	19.5	<b>1.8 (1.4–2.4)</b>	1.3 (1.0–1.8)	3/55	5.5	4.0 (0.6–24.8)	2.8 (0.5–17.7)	184/984	18.7	<b>2.1 (1.6–2.7)</b>	1.4 (1.0–1.8)
9–11 years	168/897	18.7	<b>1.8 (1.3–2.3)</b>	<b>1.5 (1.1–2.0)</b>	6/111	5.4	3.8 (0.8–19.7)	2.8 (0.5–14.7)	174/1,008	17.3	<b>1.9 (1.4–2.5)</b>	<b>1.6 (1.2–2.1)</b>
12–19 years (ref)	83/714	11.6			2/130	1.5			85/844	10.1		
Piercing												
Multiple >2	163/700	23.3	<b>1.8 (1.4–2.2)</b>	<b>1.7 (1.3–2.1)</b>	5/46	10.9	<b>4.3 (1.2–14.8)</b>	<b>3.8 (1.1–13.4)</b>	168/746	22.5	<b>1.9 (1.6–2.4)</b>	<b>1.7 (1.4–2.2)</b>
Single (ref)	271/1,861	14.6			7/258	2.7			278/2,119	13.1		
Tattooing												
Yes	50/191	26.2	<b>2.2 (1.6–3.1)</b>	<b>1.6 (1.1–2.4)</b>	5/64	7.8	<b>3.2 (1.2–8.6)</b>	<b>2.9 (1.1–8.1)</b>	55/255	21.6	<b>2.4 (1.8–3.4)</b>	<b>1.8 (1.2–2.5)</b>
No (ref)	383/2,754	13.9			35/1,402	2.5			418/4,156	10.1		
Vegetarian diet												
Yes	82/575	14.3	1.0 (0.7–1.2)	1.0 (0.7–1.3)	4/85	4.7	2.0 (0.7–5.7)	2.0 (0.7–5.7)	86/660	13.0	<b>1.3 (1.0–1.7)</b>	1.0 (0.8–1.3)
No (ref)	351/2,351	14.9			35/1,375	2.5			386/3,726	10.4		
Smoking												
Daily	75/292	25.7	<b>2.4 (1.8–3.3)</b>	<b>2.3 (1.7–3.1)</b>	2/83	2.4	0.9 (0.2–3.8)	0.9 (0.2–3.9)	77/375	20.5	<b>2.6 (2.0–3.5)</b>	<b>2.1 (1.6–2.9)</b>
Occasionally	82/491	16.7	<b>1.4 (1.1–1.9)</b>	<b>1.4 (1.1–1.9)</b>	8/180	4.4	1.7 (0.8–3.8)	1.7 (0.8–3.8)	90/671	13.4	<b>1.6 (1.2–2.0)</b>	<b>1.4 (1.1–1.8)</b>
Earlier, not now	47/280	16.8	1.4 (1.0–2.0)	<b>1.5 (1.1–2.2)</b>	2/162	1.2	0.6 (0.2–2.1)	0.6 (0.2–2.1)	49/442	11.1	1.3 (0.9–1.8)	1.4 (1.0–1.9)
No (ref)	235/1,886	12.5			27/1,029	2.6			262/2,915	9.0		
Atopy												
Yes	219/1,541	14.2	1.0 (0.8–1.2)	1.0 (0.8–1.2)	20/585	3.4	1.6 (0.8–3.0)	1.5 (0.8–2.9)	239/2,126	11.2	1.2 (1.0–1.4)	1.0 (0.8–1.3) <sup>c</sup>
No (ref)	201/1,356	14.8			19/868	2.2			220/2,224	9.9		
Orthodontic appliance												
Yes	229/1,492	15.3	1.1 (0.9–1.3)	<b>0.4 (0.2–0.7)</b>	17/545	3.1	1.2 (0.6–2.4)	1.1 (0.6–2.3)	246/2,037	12.1	<b>1.2 (1.0–1.5)</b>	<b>0.6 (0.4–0.8)</b>
No (ref)	215/1,478	14.5			23/925	2.5			238/2,403	9.9		

<sup>a</sup>Data not applicable.

<sup>b</sup>Adjusted for atopy and sequence orthodontic appliance – piercing.

<sup>c</sup>Adjusted for sex and sequence orthodontic appliance – piercing.

Bold text indicates a statistically significant effect.