



## **Difference in Sun Exposure Habits Between Individuals with High and Low Risk of Skin Cancer**

Oskar Karlsson, Oskar Hagberg, Kari Nielsen, John Paoli, Åsa Ingvar

**Supplementary Material**

**Table S3.** Association between specific risk factors and sun exposure habits. Statistical significance was tested with chi-square tests.

	Total	Use of sunscreen when sunbathing N (%)			Never sunbathing N (%)		Sunny holidays per year N (%)		
		Never	Sometimes	Always	Yes	No	0 weeks	≤2 weeks	>2 weeks
<b>Total</b>	4141	143 (3.4)	1386 (33.5)	2173 (52.5)	507 (12.2)	3629 (87.7)	529 (12.8)	1930 (46.6)	1511 (36.5)
Missing:		444			5		176		
Sex		<i>p</i> <0.001			<i>p</i> =0.02		<i>p</i> =0.34		
Men	1390 (33.9)	76 (6.2)	604 (49.2)	547 (44.6)	200 (14.4)	1186 (85.6)	190 (14.2)	630 (47.2)	514 (38.5)
Women	2716 (66.1)	67 (2.7)	782 (31.6)	1626 (65.7)	307 (11.2)	2443 (88.8)	339 (12.9)	1300 (49.3)	997 (37.8)
Missing:	35	439			5		171		
Skin type		<i>p</i> <0.001			<i>p</i> <0.001		<i>p</i> <0.001		
I	121 (3.0)	5 (6.8)	15 (20.3)	54 (73.0)	51 (42.1)	70 (57.9)	35 (30.4)	52 (45.2)	28 (24.3)
II	739 (18.2)	9 (1.5)	139 (22.6)	468 (76.0)	150 (20.3)	589 (79.7)	119 (16.8)	378 (53.3)	212 (29.9)
III	2308 (56.9)	69 (3.3)	846 (39.9)	1207 (56.9)	207 (9.0)	2098 (91.0)	264 (11.8)	1099 (49.0)	878 (39.2)
IV	891 (22.0)	55 (6.6)	365 (44.0)	409 (49.3)	99 (10.2)	872 (89.8)	94 (11.2)	368 (43.8)	379 (45.1)
Missing:	82	418			5		153		
Family history of melanoma		<i>p</i> =0.03			<i>p</i> =0.32		<i>p</i> =0.16		
No	3531 (86.7)	128 (4.0)	1198 (37.9)	1835 (58.1)	455 (12.1)	3309 (87.9)	453 (13.4)	1668 (49.2)	1267 (37.4)
Yes	294 (7.2)	7 (2.2)	106 (32.8)	210 (65.0)	52 (14.0)	320 (86.0)	41 (11.5)	164 (46.1)	151 (42.4)
Missing:	66	419			5		159		
Personal history of skin cancer		<i>p</i> <0.001			<i>p</i> <0.001		<i>p</i> <0.001		
No history of skin cancer	3623 (87.5)	120 (3.7)	1240 (38.2)	1886 (58.1)	414 (11.2)	3288 (88.8)	431 (12.5)	1693 (49.0)	1330 (38.5)
History of KC	321 (77.5)	4 (4.7)	21 (24.7)	60 (70.6)	30 (26.5)	83 (73.5)	25 (23.4)	56 (52.3)	26 (24.3)
History of MM	130 (31.4)	13 (4.7)	93 (33.9)	168 (61.3)	63 (19.6)	258 (80.4)	55 (18.0)	134 (43.8)	117 (38.2)
Missing:	67	486			5		173		
Number of nevi		<i>p</i> <0.001			<i>p</i> <0.001		<i>p</i> <0.001		
<25	2250 (57.0)	93 (4.7)	800 (40.4)	1089 (54.9)	336 (13.8)	2102 (86.2)	314 (14.8)	979 (46.1)	830 (39.1)
25-50	1084 (27.4)	25 (2.5)	338 (34.3)	623 (63.2)	109 (10.1)	974 (89.9)	121 (11.4)	556 (52.4)	385 (36.3)
50-100	465 (11.8)	14 (3.2)	140 (32.5)	277 (64.3)	49 (10.5)	416 (89.5)	53 (11.8)	221 (49.1)	176 (39.1)

Table S3 continues

**Table S3.** Association between specific risk factors and sun exposure habits. Statistical significance was tested with chi-square tests (*continued*).

		Use of sunscreen when sunbathing N (%)			Never sunbathing N (%)		Sunny holidays per year N (%)		
>100	151 (3.6)	4 (2.9)	41 (29.9)	92 (67.2)	13 (8.7)	137 (91.3)	15 (10.3)	88 (60.3)	43 (29.5)
Missing:	191	414			5		169		
Large/atypical nevi		<i>p=0.13</i>			<i>p=0.12</i>		<i>p=0.61</i>		
0	3267 (88.8)	111 (3.8)	1105 (37.9)	1698 (58.3)	475 (12.6)	3299 (87.4)	425 (13.6)	1504 (48.2)	1191 (38.2)
1	235 (5.7)	6 (2.8)	79 (37.1)	128 (60.1)	19 (8.1)	216 (91.9)	25 (11.0)	106 (46.5)	97 (42.5)
2	43 (1.0)	3 (7.3)	12 (29.3)	26 (63.4)	4 (9.3)	39 (90.7)	3 (7.1)	25 (59.5)	14 (33.3)
3	21 (0.5)	0 (0.0)	4 (19.0)	17 (81.0)	0 (0.0)	21 (100.0)	2 (10.0)	12 (60.0)	6 (30.0)
4	8 (0.2)	0 (0.0)	0 (0.0)	6 (100.0)	1 (12.5)	7 (87.5)	1 (12.5)	4 (50.0)	3 (37.5)
≥5	59 (1.4)	0 (0.0)	17 (31.5)	37 (68.5)	8 (14.5)	47 (85.5)	6 (11.3)	31 (58.5)	16 (30.2)
missing:	513	380			5		158		