

Supplementary material:

Table S1: Linear Regression model showing the association between Environmental factors with Health conditions (Secondary health conditions, Pain Intensity and Mental Health) adjusted for age, sex and severity of SCI.

	Secondary conditions		Pain Intensity		Mental Health	
	B (95% CI)	p-value	B (95% CI)	p-value	B (95% CI)	p-value
Environmental factors Sum score	0.55 (0.61 – 0.95)	<.001	0.16 (0.01 – 0.13)	0.03	-0.21 (-0.13 - -0.02)	.005
Environmental factors individual items						
Public access						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.08 (-1.31 – 4.11)	.310	-0.02 (-0.76 – 0.98)	.808	-0.10 (-1.16 – 0.33)	.273
Made my life a lot harder	0.30 (2.94 – 9.57)	<.001	0.05 (-0.74 – 1.40)	.547	-0.08 (-1.33 – 0.48)	.358
Access at home						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.08 (-1.31 – 4.13)	.308	0.07 (-0.50 – 1.19)	.423	-0.06 (-0.97 – 0.47)	.498
Made my life a lot harder	0.11 (-1.17 – 5.50)	.202	0.06 (-0.69 – 1.38)	.510	-0.01 (-0.95 – 0.82)	.888
Climate						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.04 (-1.94 – 3.17)	.636	-0.10 (-1.37 – 0.25)	.178	-0.35 (-0.79 – 0.56)	.735
Made my life a lot harder	0.06 (-2.57 – 5.34)	.491	-0.04 (-1.49 – 0.94)	.655	0.02 (-0.92 – 1.18)	.807
Short transport						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.08 (-1.18 – 3.85)	.297	0.03 (-0.64 – 1.00)	.667	-0.07 (-1.03 – 0.37)	.353
Made my life a lot harder	0.33 (4.24 – 11.00)	<.001	0.08 (-0.54 – 1.66)	.317	-0.12 (-1.67 – 0.20)	.124
Long transport						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.14 (-0.66 – 4.75)	.138	-0.02 (-0.99 – 0.73)	.771	0.01 (-0.71 – 0.77)	.934
Made my life a lot harder	0.25 (1.96 – 7.89)	.001	-0.08 (-1.41 – 0.47)	.326	0.04 (-0.59 – 1.03)	.593
Appliance						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.05 (-1.73 – 3.34)	.533	-0.01 (-0.85 – 0.72)	.869	-0.14 (-1.28 – 0.06)	.072
Made my life a lot harder	0.05 (-2.57 – 5.50)	.475	-0.04 (-1.53 – 0.97)	.655	0.01 (-1.12 – 1.00)	.905
Finances						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.01 (-3.08 – 3.48)	.904	-0.13 (-1.69 – 0.33)	.187	-0.08 (-1.21 – 0.51)	.422
Made my life a lot harder	0.08 (-1.76 – 4.52)	.388	-0.12 (-1.58 – 0.36)	.217	-0.22 (-1.76 – -0.11)	.026
Politics						

No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.04 (-1.94 – 3.43)	.586	-0.10 (-1.32 – 0.34)	.246	-0.09 (-1.10 – -0.32)	.281
Made my life a lot harder	0.03 (-3.03 – 4.43)	.712	-0.02 (-1.32 – 0.99)	.779	-0.03 (-1.15 – 0.83)	.749
Social attitudes						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.03 (-2.16 – 3.09)	.727	-0.03 (-0.99 – 0.65)	.681	-0.11 (-1.23 – 0.17)	.135
Made my life a lot harder	0.13 (-0.55 – 7.80)	.088	0.50 (-0.87 – 1.73)	.514	-0.04 (-1.41 – 0.81)	.596
Family attitudes						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.02 (-2.27 – 2.93)	.805	0.00 (-0.83 – 0.79)	.955	-0.03 (-0.81 – 0.56)	.714
Made my life a lot harder	0.12 (-0.98 – 8.80)	.116	0.04 (-1.11 – 1.93)	.598	-0.16 (-2.66 – -0.09)	.037
Friends attitudes						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.00 (-2.57 – 2.65)	.974	0.02 (-0.75 – 0.91)	.844	-0.11 (-1.20 – 0.20)	.161
Made my life a lot harder	0.22 (2.49 – 12.07)	.003	0.03 (-1.26 – 1.78)	.738	-0.14 (-2.49 – 0.08)	.065
Colleagues attitudes						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.16 (0.46 – 6.01)	.023	0.03 (-0.71 – 1.08)	.682	-0.12 (-1.38 – 0.14)	.112
Made my life a lot harder	0.27 (4.47 – 14.18)	<.001	0.08 (-0.76 – 2.38)	.308	-0.10 (-2.28 – 0.39)	.162
Service						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	0.15 (0.00 – 5.21)	.050	0.02 (-0.73 – 0.90)	.840	-0.05 (-0.94 – 0.46)	.505
Made my life a lot harder	0.13 (-0.50 – 7.49)	.082	0.09 (-0.49 – 2.00)	.233	0.00 (-1.10 – 1.03)	.943
Communication						
No Influence/Not applicable	Reference		Reference		Reference	
Made my life a little harder	-0.03 (-3.34 – 2.14)	.664	-0.12 (-1.54 – 0.17)	.113	-0.16 (-1.49 – -0.04)	.039
Made my life a lot harder	0.15 (0.14 – 7.28)	.042	-0.02 (-1.24 – 1.00)	.827	-0.02 (-1.07 – 0.82)	.791

Table S2: Logistic Regression model showing the association between Environmental factors with General Health and QoL adjusted for age, sex and severity of SCI.

	General Health		QOL	
	OR (95% CI)	p-value	OR (95% CI)	p-value
Environmental factors sum score	0.93 (0.88 – 0.99)	.016	0.93 (0.87 – 1.01)	.066
Environmental factors individual items				
Public access				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.06 (0.52 – 2.16)	.866	1.17 (0.38 – 3.63)	.790
Made my life a lot harder	2.67 (0.98 – 7.28)	.055	1.39 (0.39 – 5.00)	.613
Access at home				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.28 (0.63 – 2.59)	.502	1.42 (0.46 – 4.34)	.542
Made my life a lot harder	0.99 (0.42 – 2.34)	.973	1.52 (0.42 – 5.57)	.525
Climate				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	0.98 (0.52 – 1.88)	.962	1.48 (0.55 – 4.00)	.439
Made my life a lot harder	1.68 (0.53 – 5.31)	.374	0.83 (0.16 – 4.46)	.832
Short transport				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.19 (0.60 – 2.33)	.619	1.83 (0.66 – 5.09)	.246
Made my life a lot harder	1.23 (0.48 – 3.21)	.666	0.70 (0.14 – 3.62)	.673
Long transport				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.55 (0.76 – 3.16)	.230	1.45 (0.47 – 4.45)	.522
Made my life a lot harder	2.20 (0.96 – 5.06)	.063	1.74 (0.54 – 5.61)	.353
Appliance				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	0.78 (0.41 – 1.48)	.443	2.49 (0.82 – 7.55)	.106
Made my life a lot harder	1.97 (0.58 – 6.69)	.275	2.34 (0.50 – 10.89)	.279
Finances				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.61 (0.69 – 3.73)	.270	2.08 (0.52 – 8.25)	.298
Made my life a lot harder	1.27 (0.57 – 2.81)	.557	1.51 (0.37 – 6.20)	.566
Politics				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.03 (0.52 – 2.06)	.932	1.25 (0.45 – 3.46)	.664
Made my life a lot harder	1.37 (0.51 – 3.67)	.530	0.30 (0.03 – 2.53)	.266
Social attitudes				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	0.97 (0.49 – 1.92)	.937	1.17 (0.40 – 3.43)	.781
Made my life a lot harder	0.85 (0.28 – 2.61)	.771	2.79 (0.75 – 10.40)	.127
Family attitudes				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.39 (0.70 – 2.73)	.345	0.75 (0.25 – 2.24)	.609
Made my life a lot harder	1.05 (0.29 – 3.78)	.940	1.63 (0.32 – 8.39)	.562
Friends attitudes				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.33 (0.67 – 2.65)	.416	0.78 (0.26 – 2.30)	.650
Made my life a lot harder	0.99 (0.27 – 3.58)	.988	0.71 (0.08 – 5.96)	.749
Colleagues attitudes				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.03 (0.48 – 2.20)	.937	1.76 (0.61 – 5.04)	.294
Made my life a lot harder	1.72 (0.41 – 7.29)	.460	0.87 (0.10 – 7.50)	.901
Service				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	1.23 (0.63 – 2.40)	.541	0.99 (0.33 – 2.95)	.985
Made my life a lot harder	6.06 (1.29 – 28.38)	.022	2.32 (0.63 – 8.47)	.204
Communication				
No Influence/Not applicable	Reference		Reference	
Made my life a little harder	0.97 (0.48 – 1.96)	.940	0.59 (0.18 – 1.90)	.373

Made my life a lot harder	3.30 (1.05 – 10.41)	.042	0.23 (0.03 – 1.82)	.163
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