

SUPPLEMENTARY DIGITAL MATERIAL 5

The following pages provide the **score-to-measure conversion on a 0-100 interval scale** for the different forms of ISYQOL International. The score-to-measure table of the spine health domain and that of the full questionnaire (spine health plus brace domain) are given for each country.

Italy and Spain share the same conversions based on the DIF analysis explained in the main text.

Remember that HRQOL is conceptualised as a positive construct (the higher, the better) and expressed on a 0-100% scale.

The standard error of the measure (SE) is also provided.

The sheet labelled "CAN_ENG" reports the same values in Table 5 in the main text.

Italy and Spain

Full questionnaire

Score	HRQOL Measure %, au	SE
0	100.00	15.75
1	88.79	9.12
2	81.50	6.86
3	76.74	5.87
4	73.05	5.29
5	69.98	4.89
6	67.30	4.60
7	64.89	4.39
8	62.69	4.22
9	60.63	4.09
10	58.69	3.98
11	56.84	3.90
12	55.05	3.84
13	53.31	3.80
14	51.60	3.77
15	49.92	3.75
16	48.25	3.74
17	46.59	3.74
18	44.92	3.74
19	43.25	3.76
20	41.55	3.79
21	39.82	3.83
22	38.04	3.89
23	36.21	3.96
24	34.29	4.06
25	32.26	4.19
26	30.08	4.37
27	27.67	4.62
28	24.93	4.98
29	21.66	5.54
30	17.39	6.51
31	10.71	8.81
32	0.00	15.55

Italy and Spain

Spine health domain

Score	HRQOL Measure %, au	SE
0	100.00	18.45
1	86.68	10.84
2	77.65	8.36
3	71.44	7.33
4	66.42	6.73
5	62.07	6.34
6	58.14	6.08
7	54.47	5.90
8	50.99	5.78
9	47.62	5.71
10	44.31	5.67
11	41.02	5.69
12	37.68	5.77
13	34.19	5.93
14	30.42	6.24
15	26.12	6.78
16	20.76	7.82
17	12.66	10.41
18	0.00	18.20

English Canada

Full questionnaire

Score	HRQOL Measure %, au	SE
0	100.00	15.79
1	88.79	9.13
2	81.52	6.85
3	76.78	5.86
4	73.13	5.27
5	70.09	4.87
6	67.43	4.59
7	65.06	4.37
8	62.87	4.20
9	60.84	4.08
10	58.91	3.98
11	57.07	3.90
12	55.29	3.84
13	53.55	3.80
14	51.85	3.77
15	50.17	3.75
16	48.50	3.75
17	46.83	3.75
18	45.16	3.75
19	43.48	3.77
20	41.78	3.80
21	40.04	3.84
22	38.27	3.89
23	36.43	3.97
24	34.51	4.07
25	32.48	4.21
26	30.29	4.39
27	27.87	4.64
28	25.11	5.01
29	21.81	5.57
30	17.51	6.55
31	10.78	8.86
32	0.00	15.61

English Canada

Spine health domain

Score	HRQOL Measure %, au	SE
0	100.00	18.49
1	86.73	10.82
2	77.83	8.30
3	71.74	7.27
4	66.82	6.69
5	62.52	6.33
6	58.61	6.09
7	54.93	5.93
8	51.42	5.83
9	48.01	5.75
10	44.67	5.72
11	41.34	5.73
12	37.97	5.80
13	34.46	5.97
14	30.66	6.27
15	26.33	6.82
16	20.93	7.87
17	12.75	10.47
18	0.00	18.30

French Canada

Full questionnaire

Score	HRQOL Measure %, au	SE
0	100.00	15.65
1	88.97	9.01
2	81.86	6.76
3	77.22	5.79
4	73.61	5.23
5	70.58	4.86
6	67.91	4.59
7	65.50	4.39
8	63.28	4.23
9	61.20	4.11
10	59.23	4.01
11	57.35	3.93
12	55.53	3.87
13	53.76	3.82
14	52.02	3.79
15	50.32	3.77
16	48.63	3.75
17	46.94	3.75
18	45.26	3.76
19	43.56	3.77
20	41.85	3.80
21	40.10	3.84
22	38.32	3.90
23	36.47	3.97
24	34.53	4.07
25	32.49	4.21
26	30.28	4.39
27	27.85	4.64
28	25.08	5.00
29	21.77	5.56
30	17.46	6.53
31	10.73	8.82
32	0.00	15.53

French Canada

Spine health domain

Score	HRQOL Measure %, au	SE
0	100.00	18.08
1	87.06	10.57
2	78.32	8.18
3	72.21	7.25
4	67.17	6.73
5	62.71	6.39
6	58.64	6.14
7	54.85	5.96
8	51.25	5.83
9	47.78	5.73
10	44.40	5.69
11	41.04	5.69
12	37.65	5.76
13	34.12	5.91
14	30.32	6.21
15	25.99	6.74
16	20.62	7.76
17	12.54	10.29
18	0.00	17.94

Greece

Full questionnaire

Score	HRQOL Measure %, au	SE
0	100.00	15.71
1	88.88	9.07
2	81.67	6.82
3	76.95	5.85
4	73.28	5.29
5	70.19	4.91
6	67.47	4.64
7	65.02	4.44
8	62.76	4.28
9	60.64	4.15
10	58.65	4.04
11	56.74	3.95
12	54.91	3.89
13	53.13	3.83
14	51.40	3.79
15	49.70	3.76
16	48.03	3.74
17	46.36	3.73
18	44.70	3.73
19	43.03	3.74
20	41.35	3.77
21	39.64	3.81
22	37.89	3.86
23	36.08	3.93
24	34.19	4.03
25	32.19	4.17
26	30.03	4.35
27	27.65	4.60
28	24.93	4.97
29	21.66	5.53
30	17.41	6.51
31	10.72	8.81
32	0.00	15.55

Greece

Spine health domain

Score	HRQOL Measure %, au	SE
0	100.00	18.28
1	86.83	10.75
2	77.83	8.37
3	71.47	7.43
4	66.22	6.88
5	61.63	6.48
6	57.52	6.17
7	53.75	5.94
8	50.22	5.77
9	46.86	5.66
10	43.60	5.60
11	40.38	5.60
12	37.12	5.67
13	33.72	5.84
14	30.03	6.15
15	25.82	6.69
16	20.55	7.73
17	12.55	10.31
18	0.00	18.06

Poland

Full questionnaire

Score	HRQOL Measure %, au	SE
0	100.00	15.65
1	88.80	9.13
2	81.34	6.96
3	76.34	6.03
4	72.40	5.45
5	69.11	5.03
6	66.27	4.70
7	63.76	4.44
8	61.51	4.22
9	59.45	4.05
10	57.55	3.91
11	55.77	3.80
12	54.08	3.71
13	52.45	3.65
14	50.87	3.61
15	49.31	3.59
16	47.77	3.59
17	46.22	3.60
18	44.65	3.62
19	43.06	3.66
20	41.42	3.71
21	39.74	3.77
22	38.00	3.84
23	36.18	3.93
24	34.27	4.04
25	32.24	4.18
26	30.05	4.37
27	27.63	4.62
28	24.88	4.97
29	21.59	5.52
30	17.32	6.49
31	10.65	8.76
32	0.00	15.44

Poland

Spine health domain

Score	HRQOL Measure %, au	SE
0	100.00	18.13
1	86.36	10.93
2	76.78	8.47
3	70.27	7.32
4	65.17	6.62
5	60.86	6.17
6	57.03	5.88
7	53.49	5.70
8	50.13	5.60
9	46.85	5.55
10	43.61	5.54
11	40.35	5.58
12	37.01	5.66
13	33.53	5.83
14	29.78	6.12
15	25.51	6.63
16	20.23	7.62
17	12.30	10.10
18	0.00	17.62

Turkey

Full questionnaire

Score	HRQOL Measure %, au	SE
0	100.00	15.63
1	89.02	8.98
2	81.99	6.71
3	77.42	5.74
4	73.87	5.19
5	70.89	4.82
6	68.27	4.56
7	65.89	4.37
8	63.69	4.22
9	61.62	4.11
10	59.65	4.02
11	57.76	3.94
12	55.92	3.89
13	54.14	3.84
14	52.39	3.81
15	50.66	3.79
16	48.95	3.78
17	47.24	3.78
18	45.53	3.79
19	43.81	3.80
20	42.07	3.83
21	40.30	3.87
22	38.49	3.92
23	36.62	3.99
24	34.67	4.09
25	32.60	4.23
26	30.38	4.41
27	27.93	4.66
28	25.15	5.02
29	21.82	5.57
30	17.50	6.54
31	10.75	8.83
32	0.00	15.54

Turkey

Spine health domain

Score	HRQOL Measure %, au	SE
0	100.00	18.38
1	86.87	10.73
2	78.06	8.26
3	71.97	7.29
4	66.96	6.75
5	62.55	6.41
6	58.52	6.16
7	54.77	5.98
8	51.20	5.84
9	47.78	5.75
10	44.44	5.70
11	41.13	5.70
12	37.78	5.77
13	34.30	5.94
14	30.53	6.24
15	26.22	6.79
16	20.84	7.84
17	12.70	10.43
18	0.00	18.23