

Readability of Commonly Used Quality of Life Outcome Measures for Youth Self-Report

Karolin R. Krause , Jenna Jacob *, Peter Szatmari and Daniel Hayes

**Supplement File S1:
Text Characteristics of the Included QOL Measures**

Table S1. Text Characteristics of the Included QOL Measures

Measure	Ages	Length	Instructions						Items					
			Letters	Words	Sentences	Av. Sentence Length	Av. Word Length	Difficult Words ^a	Letters	Words	Sentences	Av. Sentence Length	Av. Word Length	Difficult Words ^a
AQOL-6D Adolescent Instrument	12-18 years	20 items	363	73	4	18.3	5.0	25%	4430	1000	123	8.1	4.5	18%
CHU-9D	7-17 years	9 items	369	95	11	8.6	3.9	3%	1478	363	53	6.8	4.1	17%
EQ-5D-Y	8-15 years	6 items	293	77	7	11.0	3.9	14%	697	155	22	7.0	4.5	19%
KIDSCREEN – <i>KIDSCREEN-52</i>	8-18 years	52 items	447	109	11	9.9	4.1	5%	2203	527	61	8.6	4.2	9%
KIDSCREEN – <i>KIDSCREEN-27</i>	8-18 years	27 items	447	109	11	9.9	4.1	5%	1177	287	30	9.6	4.1	10%
KIDSCREEN – <i>KIDSCREEN-10</i>	8-18 years	10 items	447	109	11	9.9	4.1	5%	350	89	12	7.4	3.9	4%
KINDL ^R – <i>Kid-KINDL^R</i>	7-13 years	24 items	693	165	18	9.2	4.2	6%	656	173	25	6.9	3.8	12%
KINDL ^R – <i>Kiddo-KINDL^R</i>	14-17 years	24 items	739	176	19	9.3	4.2	6%	633	169	24	7.0	3.7	12%
PedsQL 4.0 <i>Generic Core Scales – Child</i>	8-12 years	23 items	320	91	8	11.4	3.6	14%	805	218	29	7.5	3.7	8%
PedsQL 4.0 <i>SF15 Generic Core Scales – Child</i>	8-12 years	15 items	320	91	8	11.4	3.6	14%	577	154	21	7.3	3.7	10%
PedsQL 4.0 <i>Generic Core Scales – Teen</i>	13-18 years	23 items	320	91	8	11.4	3.6	14%	797	215	29	7.4	3.7	10%
PedsQL 4.0 <i>SF15 Generic Core Scales – Teen</i>	13-18 years	15 items	320	91	8	11.4	3.6	14%	580	154	21	7.3	3.8	12%
PQ-LES-Q	6-17 years	15 items	–	–	–	–	–	–	309	65	14	4.6	4.75	9%
PROMIS Global Health 7	8-17 years	7 items	80	17	2	8.5	4.8	41%	344	80	7	11.4	4.3	10%
PROMIS Global Health 7 +2	8-17 years	9 items	80	17	2	8.5	4.8	41%	404	98	9	10.9	4.13	11%
QOLP-AV	14-20 years	72 items	5327	1253	82	15.3	4.3	24%	4319	949	172	5.5	4.6	24%
TACQOL	8-15 years	63 items	846	199	18	11.1	4.3	11%	2288	473	73	6.5	4.8	22%
YQOL – <i>YQOL-R</i>	11-18 years	57 items	1270	270	23	11.7	4.7	14%	3777	891	71	12.5	4.3	9%
YQOL – <i>YQOL-SF</i>	11-18 years	16 items	1004	216	18	12.0	4.6	14%	860	205	16	12.8	4.2	8%
16D	12-15 years	16 items	192	43	4	10.8	4.5	12%	4399	1024	100	10.2	4.3	26%
17D	8-11 years	17 items	160	35	4	8.8	4.6	9%	3945	970	121	8.0	4.1	12%
Overall mean (SD)			701.9 (1131.5)	166.4 (264.2)	13.9 (17.2)	10.9 (2.4)	4.2 (0.4)	15% (10.8)	1668.0 (1536.2)	393.3 (349.7)	49.2 (45.5)	8.3 (2.2)	4.1 (0.3)	13% (5.8)

Note: AQOL-6D: Assessment of Quality of Life; CHU-9D: Child Health Utility Index 9D; EQ-5D-Y: EuroQol Five Dimensions Health for Youth; KINDL^R: KINDer Lebensqualitätsfragebogen; PedsQL 4.0: Pediatric Quality of Life Inventory Generic Core Scales; PQ-LES-Q: The Pediatric Quality of Life Enjoyment and Satisfaction Questionnaire; PROMIS: the Patient Reported Outcomes Measurement Information System; QOLP-AV: Quality of Life Profile - Adolescent Version; TACQOL: TNO AZL Children's Quality of Life; YQOL: Youth Quality of Life Instrument; YQOL-R: Youth Quality of Life Instrument – Research Version; YQOL-SF: Youth Quality of Life Instrument – Short Form; SF15: Short Form 15.

^a Percentage of difficult vocabulary as indicated by the Dale-Chall formula in R KoRpus.