

Appendix 1 (as supplied by the author): Rasch Measurement Theory statistical indicators of fit and Differential Item Functioning results for each scale's items

SCALES	ITEM FIT STATISTICS							DIFFERENTIAL ITEM FUNCTIONING			
	items	Location	SE	FitResid	DF	ChiSq	DF	Prob	Country	Age	Sex
CLEFT LIP SCAR											
<i>colour</i>	-0.29	0.05	5.44	1142.4	10.6	9	0.3	-	-	-	
<i>smile</i>	-0.16	0.05	-2.34	1148.4	8.9	9	0.4	-	-	-	
<i>width</i>	-0.10	0.05	-2.82	1144.9	6.9	9	0.7	-	-	-	
<i>size</i>	-0.01	0.05	-2.92	1144.9	6.9	9	0.6	-	-	-	
<i>photo</i>	0.07	0.05	0.45	1141.5	0.5	9	1.0	-	-	-	
<i>shape</i>	0.19	0.05	-2.23	1144.1	4.2	9	0.9	-	-	-	
<i>mirror</i>	0.29	0.05	-1.62	1145.8	4.8	9	0.9	-	-	-	
FACE											
<i>look best</i>	-1.07	0.04	-2.36	1910.9	7.5	9	0.6	un/adj	-	-	
<i>go out</i>	-0.87	0.04	-1.89	1910.9	4.9	9	0.9	un/adj	un	un	
<i>shape</i>	-0.30	0.03	6.06	1899.	9.4	9	0.4	un/adj	un	-	
<i>photos</i>	0.21	0.03	-0.99	1909.1	2.1	9	1.0	-	un	-	
<i>match</i>	0.22	0.03	4.07	1902.9	5.2	9	0.8	-	-	-	
<i>smile</i>	0.25	0.03	0.37	1909.1	2.5	9	1.0	-	-	-	
<i>laugh</i>	0.31	0.03	-3.40	1906.5	6.3	9	0.7	-	-	-	
<i>profile</i>	0.58	0.03	2.72	1897.6	3.0	9	1.0	un	un	un	
<i>up close</i>	0.66	0.03	-3.03	1906.5	8.4	9	0.5	un	un	un	
JAWS											
<i>size</i>	-0.17	0.06	-2.64	889.6	4.5	7	0.7	-	-	-	
<i>shape</i>	-0.12	0.06	-3.60	885.3	3.5	7	0.8	-	-	-	
<i>mirror</i>	-0.11	0.06	-4.20	893.0	6.6	7	0.5	-	-	-	
<i>photo</i>	-0.10	0.06	-1.89	888.7	1.6	7	1.0	-	-	-	
<i>closed</i>	-0.06	0.06	-1.74	890.4	2.7	7	0.9	-	-	-	
<i>smile</i>	0.07	0.06	-2.44	893.0	3.4	7	0.9	-	-	-	
<i>profile</i>	0.49	0.06	0.62	887.0	3.9	7	0.8	-	-	-	
LIPS											
<i>smile</i>	-0.27	0.04	-1.15	1602.9	3.5	9	0.9	-	-	-	
<i>size</i>	-0.16	0.04	1.26	1602.9	2.6	9	1.0	-	-	-	
<i>photo</i>	-0.16	0.04	-6.22	1600.2	7.9	9	0.5	-	un	-	
<i>laugh</i>	-0.12	0.04	-0.17	1599.3	2.1	9	1.0	-	-	-	
<i>mirror</i>	-0.11	0.04	-2.72	1609.1	4.0	9	0.9	-	-	-	
<i>closed</i>	0.01	0.04	0.67	1602.9	1.5	9	1.0	-	-	-	
<i>shape</i>	0.16	0.04	-4.54	1599.3	7.3	9	0.6	-	-	-	
<i>full</i>	0.26	0.04	5.01	1599.3	5.6	9	0.8	un/adj	-	-	
<i>up close</i>	0.40	0.04	-0.78	1601.1	4.2	9	0.9	-	-	-	
NOSE											
<i>length</i>	-0.45	0.04	0.77	1807.2	6.1	9	0.7	un	-	-	
<i>smile</i>	-0.35	0.04	-0.77	1801.7	5.3	9	0.8	un	-	-	
<i>middle</i>	-0.26	0.04	-3.07	1801.7	6.7	9	0.7	-	-	-	
<i>size</i>	-0.26	0.04	3.95	1795.3	8.7	9	0.5	un	-	-	
<i>photo</i>	-0.11	0.04	-3.09	1797.1	6.4	9	0.7	-	un	-	
<i>straight</i>	0.09	0.04	2.70	1796.2	1.4	9	1.0	-	-	-	
<i>width</i>	0.11	0.04	0.59	1797.1	2.0	9	1.0	-	-	-	
<i>mirror</i>	0.17	0.04	-3.40	1807.2	7.3	9	0.6	-	-	-	
<i>shape</i>	0.21	0.04	-1.36	1809.9	5.2	9	0.8	-	-	-	
<i>tip</i>	0.22	0.03	-1.03	1802.6	3.2	9	1.0	-	-	-	

Appendix to: Klassen AF, Wong Riff KWY, Longmire NM et al. Psychometric findings and normative values for the CLEFT-Q based on 2434 children and young adult patients with cleft lip and/or palate from 12 countries. *CMAJ* 2018. doi: 10.1503/cmaj.170289.

<i>profile</i>	0.24	0.04	-2.26	1804.5	4.1	9	0.9	-	un	-
<i>match</i>	0.38	0.03	5.14	1795.3	7.1	9	0.6	-	-	-
NOSTRILS										
<i>smile</i>	-0.21	0.04	-1.00	1454.6	3.1	9	1.0	-	-	-
<i>mirror</i>	-0.11	0.04	-3.47	1450.4	6.7	9	0.7	-	-	-
<i>size</i>	-0.08	0.04	-0.09	1447.1	3.2	9	1.0	-	-	-
<i>width</i>	0.04	0.04	1.63	1445.5	2.3	9	1.0	-	-	-
<i>photo</i>	0.14	0.04	-2.46	1455.4	6.2	9	0.7	-	-	-
<i>shape</i>	0.22	0.04	-1.79	1448.0	4.5	9	0.9	-	-	-
TEETH										
<i>size</i>	-0.88	0.04	3.89	1792.4	9.2	9	0.4	un	-	-
<i>close together</i>	-0.31	0.03	2.78	1784.5	5.7	9	0.8	-	un	-
<i>smile</i>	-0.11	0.03	-5.67	1788.9	13.2	9	0.2	-	un	-
<i>profile</i>	0.00	0.03	-4.41	1778.4	12.9	9	0.2	un	un	-
<i>straight</i>	0.17	0.03	2.05	1786.3	2.8	9	1.0	-	un/adj	-
<i>show</i>	0.32	0.03	1.29	1788.0	2.8	9	1.0	-	un	-
<i>up close</i>	0.39	0.03	-5.73	1787.2	16.9	9	0.1	-	-	-
<i>meet</i>	0.43	0.03	3.62	1786.3	3.6	9	0.9	-	-	-
PSYCHOLOGICAL										
<i>happy with life</i>	-0.61	0.04	-0.71	1644.1	4.5	9	0.9	-	-	-
<i>enjoy life</i>	-0.54	0.04	-2.61	1636.9	6.6	9	0.7	un	-	un
<i>feel happy</i>	-0.27	0.04	-0.01	1638.7	3.3	9	1.0	-	-	-
<i>feel okay</i>	-0.15	0.04	0.03	1636.9	5.0	9	0.8	-	-	-
<i>believe in self</i>	-0.13	0.04	1.71	1635.1	6.4	9	0.7	-	-	-
<i>proud of self</i>	-0.07	0.04	-2.50	1638.7	6.3	9	0.7	un	un	-
<i>like self</i>	0.16	0.04	-4.41	1632.4	8.6	9	0.5	un/adj	-	-
<i>feel confident</i>	0.35	0.04	5.27	1633.3	8.6	9	0.5	-	-	-
<i>feel great</i>	0.35	0.04	-4.03	1637.8	9.9	9	0.4	un/adj	un	un
<i>good look</i>	0.91	0.04	2.87	1636.0	3.6	9	0.9	-	un	-
SCHOOL										
<i>seeing friends</i>	-0.91	0.06	0.95	1100.3	5.4	9	0.8	-	un	-
<i>teachers</i>	-0.54	0.05	3.89	1161.3	13.8	9	0.1	un	-	un
<i>accepted</i>	-0.17	0.05	-4.41	1159.5	16.6	9	0.1	-	-	-
<i>liked</i>	-0.16	0.05	-3.08	1155.0	16.9	9	0.1	-	-	-
<i>happy</i>	-0.03	0.05	-0.60	1159.5	6.0	9	0.7	-	un/adj	-
<i>nice to me</i>	-0.01	0.05	-3.93	1157.7	17.3	9	0.04	-	un/adj	-
<i>listen to me</i>	0.16	0.05	-0.78	1160.4	5.7	9	0.8	-	un	-
<i>safe</i>	0.16	0.04	0.95	1158.6	4.5	9	0.9	-	un	-
<i>make friends</i>	0.75	0.04	1.98	1153.2	5.1	9	0.8	-	-	un
<i>join activities</i>	0.77	0.04	3.12	1157.7	6.8	9	0.7	-	-	-
SOCIAL										
<i>friends accept</i>	-1.33	0.05	-1.55	1670.9	5.5	9	0.8	un	un	un
<i>fun friends</i>	-0.94	0.04	0.70	1672.7	2.4	9	1.0	un/adj	-	-
<i>people listen</i>	-0.34	0.04	-0.37	1669.1	3.9	8	0.9	un	un	-
<i>treat same</i>	-0.21	0.04	-3.76	1670.9	11.0	8	0.2	un/adj	un/adj	-
<i>like being with</i>	-0.12	0.04	-0.67	1672.7	3.8	8	0.9	un/adj	-	un
<i>confident out</i>	0.37	0.04	-3.18	1666.4	10.9	8	0.2	un	un	-
<i>fit in</i>	0.48	0.03	0.14	1672.7	2.8	8	1.0	un	-	un
<i>make friends</i>	0.56	0.03	-1.03	1670.9	4.3	8	0.8	-	-	-
<i>same others</i>	0.76	0.03	2.81	1676.3	3.1	8	0.9	-	-	-
<i>people look</i>	0.78	0.03	5.14	1674.5	7.9	8	0.4	-	-	-
SPEECH DISTRESS										
<i>go out</i>	-1.25	0.07	-0.57	813.9	9.2	9	0.4	n/a	-	-

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<i>make friends</i>	-0.98	0.07	-0.72	813.9	7.1	9	0.6	n/a	-	-
<i>teased</i>	-0.70	0.07	2.10	813.9	13.3	9	0.2	n/a	-	-
<i>frustrated</i>	-0.38	0.07	-3.42	814.8	13.3	9	0.2	n/a	-	-
<i>embarrassed</i>	-0.35	0.07	-3.61	816.6	11.3	9	0.3	n/a	-	-
<i>avoid</i>	0.28	0.06	2.01	816.6	9.1	9	0.4	n/a	-	-
<i>nervous</i>	0.44	0.06	-1.80	814.8	7.7	9	0.6	n/a	-	-
<i>worry</i>	0.71	0.06	-1.19	816.6	6.7	9	0.7	n/a	-	-
<i>repeat</i>	1.07	0.06	0.38	813.0	3.8	9	0.9	n/a	-	-
<i>understood</i>	1.16	0.07	1.51	813.0	7.1	9	0.6	n/a	-	-
SPEECH FUNCTION										
<i>family</i>	-1.36	0.07	0.23	814.9	15.0	9	0.1	n/a	-	-
<i>friends</i>	-1.11	0.07	-1.93	812.1	13.9	9	0.1	n/a	-	-
<i>read aloud</i>	-0.15	0.06	3.90	816.7	16.8	9	0.1	n/a	-	-
<i>some sentences</i>	-0.14	0.07	-3.38	812.1	5.7	9	0.8	n/a	-	-
<i>avoid</i>	-0.12	0.06	3.35	814.9	12.8	9	0.2	n/a	-	-
<i>phone</i>	0.04	0.07	-3.54	807.6	5.7	9	0.8	n/a	-	-
<i>new people</i>	0.10	0.07	-3.47	813.1	12.1	9	0.2	n/a	-	-
<i>try hard</i>	0.37	0.07	-3.94	813.1	10.0	9	0.4	n/a	-	-
<i>repeat</i>	0.41	0.08	-3.11	812.1	7.2	9	0.6	n/a	-	-
<i>speak slow</i>	0.42	0.07	-3.37	813.1	6.8	9	0.7	n/a	-	-
<i>concentrate</i>	0.73	0.06	0.17	816.7	7.8	9	0.6	n/a	-	-
<i>some words</i>	0.81	0.07	-1.48	817.6	4.8	9	0.9	n/a	-	-

Abbreviations: SE- Standard Error; DF – Degrees of freedom; Prob – Probability; un – Unadjusted Differential Item Functioning analysis; adj – Adjusted Differential Item Functioning analysis; n/a – Not applicable. **Note:** For country analysis Differential Item Functioning was not computed for speech function and speech distress.