

SDC 2: APPENDIX 2: RMT item level fit statistics and Differential Item Function (DIF) results

Scale	Items	Item Fit Statistics							DIF			
		Location	SE	Fit Res	DF	χ^2	DF	P-value	Gender	Age	Language	Type
Appearance	Gender	-0.42	0.06	1.76	792.19	8.49	9	0.49	Yes	No	No	No
	Size fingers	-0.27	0.05	-1.08	807.39	7.66	9	0.57	No	No	No	No
	Wave	-0.22	0.05	-3.62	802.02	12.07	9	0.21	No	No	Yes	No
	Proportion	-0.14	0.05	-2.44	798.45	13.07	9	0.16	No	No	Yes	No
	Shape fingers	-0.02	0.05	-3.50	814.54	11.26	9	0.26	No	No	No	No
	Line up	0.00	0.05	-1.59	810.96	9.06	9	0.43	No	No	No	No
	Knuckles	0.02	0.05	4.28	804.70	16.44	9	0.06	No	No	No	No
	Normal	0.20	0.05	-1.71	805.60	12.42	9	0.19	No	No	No	No
	Hold glass	0.30	0.05	0.93	794.87	2.66	9	0.98	No	No	Yes	No
	Straight	0.56	0.05	3.89	808.28	12.41	9	0.19	No	No	No	No
Appearance age-related	Veins	-0.62	0.05	-0.34	821.97	10.38	9	0.32	Yes	Yes	No	Yes
	Tendons	-0.42	0.05	0.88	816.61	7.25	9	0.61	No	No	No	No
	Wave	-0.34	0.05	-2.37	830.02	12.36	9	0.19	No	Yes	Yes	Yes
	Skin	-0.19	0.05	2.66	822.87	3.56	9	0.94	No	No	No	No
	Rest palms	0.12	0.05	-0.59	825.55	5.56	9	0.78	No	Yes	No	Yes
	Hold glass	0.13	0.05	1.26	824.65	3.39	9	0.95	No	No	No	No
	Age	0.18	0.05	0.54	820.19	3.86	9	0.92	Yes	Yes	No	Yes
	Compared	0.26	0.05	-2.78	821.97	10.94	9	0.28	No	Yes	No	Yes
	Youthful	0.31	0.05	1.58	819.29	7.80	9	0.55	No	Yes	No	Yes
	Close up	0.57	0.05	-3.95	822.87	23.41	9	0.01	No	No	No	No
Function	Eat with hands	-0.77	0.05	-3.39	929.75	12.10	9	0.21	Yes	No	No	Yes
	Brush teeth	-0.74	0.05	-1.29	924.18	5.06	9	0.83	No	No	No	No

	Wash hands	-0.65	0.05	3.15	936.25	7.01	9	0.64	Yes	Yes	Yes	Yes
	Grooming	-0.56	0.05	-1.63	936.25	8.12	9	0.52	No	No	No	Yes
	Get dressed	-0.54	0.05	-3.70	938.11	13.10	9	0.16	No	No	No	No
	Hold glass	-0.27	0.05	-5.31	939.97	17.55	9	0.04	No	No	No	No
	Hold phone	-0.22	0.05	4.23	938.11	3.99	9	0.91	Yes	No	Yes	Yes
	Clean after toilet	-0.18	0.05	3.53	924.18	7.11	9	0.63	No	Yes	No	No
	Use cutlery	-0.10	0.05	-5.46	939.97	19.12	9	0.02	No	No	No	Yes
	Turn tap	-0.02	0.05	-1.71	941.83	6.90	9	0.65	No	No	Yes	No
	Write	0.29	0.05	2.84	924.18	4.70	9	0.86	No	Yes	No	No
	Turn key	0.41	0.05	-2.71	947.40	7.02	9	0.64	No	No	No	No
	Grip handle	0.79	0.05	2.48	931.61	7.54	9	0.58	No	No	No	No
	Prepare food	0.93	0.05	-2.78	938.11	13.87	9	0.13	No	No	No	No
	Open jar	1.62	0.05	6.43	938.11	28.16	9	0.00	Yes	No	No	Yes
Life impact	Close relationships	-1.01	0.05	-1.91	883.49	7.12	9	0.62	No	No	No	No
	Social life	-0.74	0.05	-4.19	876.53	15.39	9	0.08	No	No	Yes	No
	Relax	-0.45	0.05	-2.47	885.23	13.69	9	0.13	No	No	No	No
	Emotional wellbeing	-0.42	0.05	-2.91	882.62	17.94	9	0.04	No	No	Yes	No
	Independence	0.11	0.04	-1.71	885.23	7.87	9	0.55	No	No	Yes	Yes
	Sleep	0.37	0.04	5.80	888.72	10.99	9	0.28	Yes	Yes	Yes	Yes
	Physical activity	0.97	0.04	3.00	893.07	6.23	9	0.72	Yes	No	No	Yes
	Activities you enjoy	1.17	0.04	0.76	886.10	4.93	9	0.84	Yes	No	No	No
Psychological	Hopeless	-0.75	0.05	-2.50	903.95	7.73	9	0.56	No	No	No	No
	Overwhelmed	-0.62	0.05	-3.99	907.53	13.30	9	0.15	No	No	Yes	No
	Depressed	-0.52	0.05	-4.07	918.28	15.09	9	0.09	No	No	No	No
	Sorry for yourself	-0.38	0.05	2.09	912.01	7.93	9	0.54	No	No	Yes	No
	Anxious	-0.37	0.05	-2.36	910.22	10.80	9	0.29	No	No	No	No

	Useless	-0.09	0.05	0.15	907.53	6.23	9	0.72	No	No	No	No
	Upset	0.26	0.05	-2.33	917.39	8.56	9	0.48	No	No	Yes	No
	Fed-up	0.53	0.05	0.28	910.22	10.31	9	0.33	No	No	No	No
	Worried	0.53	0.05	1.37	916.49	2.32	9	0.99	Yes	Yes	No	Yes
	Frustrated	1.41	0.05	0.09	917.39	10.51	9	0.31	No	No	Yes	No
Sexual	Enjoyment affected	-0.54	0.09	-2.23	260.41	12.50	4	0.01	No	No	No	-
	Symptoms interfere	-0.30	0.09	1.93	259.56	3.80	4	0.43	No	Yes	Yes	-
	Hands distraction	-0.29	0.09	-2.11	259.56	9.70	4	0.05	No	No	No	-
	Aware of hands	-0.07	0.09	-0.52	257.02	3.69	4	0.45	No	No	No	-
	Giving pleasure	-0.02	0.09	-0.51	258.72	4.58	4	0.33	No	No	No	-
	Tender ways	0.48	0.09	3.55	262.94	7.29	4	0.12	No	No	No	-
	Hand function	0.73	0.09	-0.67	263.79	1.13	4	0.89	No	No	Yes	-
Symptoms	Cramping	-0.56	0.04	0.32	978.95	3.23	8	0.92	No	No	Yes	No
	Pain at rest	-0.54	0.04	-2.66	975.37	10.57	8	0.23	No	Yes	No	No
	Tingling	-0.17	0.04	0.69	982.53	3.26	8	0.92	No	No	No	Yes
	Numb	-0.10	0.04	2.03	982.53	2.85	8	0.94	No	No	No	Yes
	Clumsiness	-0.07	0.04	-0.85	966.41	4.98	8	0.76	Yes	Yes	No	No
	Swelling	-0.04	0.04	3.40	974.47	6.32	8	0.61	No	No	No	Yes
	Sleep disturbance	0.01	0.04	-2.71	977.16	9.95	8	0.27	No	Yes	Yes	Yes
	Stiff	0.44	0.04	0.92	987.01	0.62	8	1.00	No	No	No	Yes
	Pain at use	0.51	0.04	-0.48	977.16	8.19	8	0.42	No	No	No	No
	Weak	0.52	0.04	-1.62	983.43	5.83	8	0.67	No	No	No	No
Clinic	Privacy	-0.98	0.13	0.99	221.77	1.97	3	0.58	-	-	-	-
	Sterile	-0.94	0.13	-1.97	228.00	6.83	3	0.08	-	-	-	-
	Knowledgeable staff	-0.22	0.12	0.87	222.66	1.53	3	0.68	-	-	-	-
	Recommend	-0.09	0.12	-2.04	224.44	8.28	3	0.04	-	-	-	-

	Front desk	0.01	0.12	1.35	229.79	6.58	3	0.09	-	-	-	-
	Easy to book	0.06	0.11	0.42	227.11	1.18	3	0.76	-	-	-	-
	Atmosphere	0.09	0.12	-0.66	228.90	6.03	3	0.11	-	-	-	-
	Organized	0.31	0.11	-2.20	228.00	7.82	3	0.05	-	-	-	-
	Consistent staff	0.69	0.11	0.29	221.77	2.81	3	0.42	-	-	-	-
	Enough staff	1.07	0.10	1.58	223.55	7.55	3	0.06	-	-	-	-
Doctor	Friendly	-0.60	0.15	-1.23	158.74	3.95	2	0.14	-	-	-	-
	Knowledgeable	-0.56	0.15	-0.06	156.98	0.72	2	0.70	-	-	-	-
	What to do	-0.40	0.15	-1.35	155.21	3.76	2	0.15	-	-	-	-
	Right experience	-0.24	0.14	-0.69	155.21	1.21	2	0.55	-	-	-	-
	Easy to talk to	-0.01	0.14	0.11	157.86	2.43	2	0.30	-	-	-	-
	Answered questions	0.05	0.13	-1.97	157.86	3.41	2	0.18	-	-	-	-
	High level care	0.11	0.14	-0.74	153.45	1.00	2	0.61	-	-	-	-
	Inspired hope	0.45	0.13	2.24	156.98	7.85	2	0.02	-	-	-	-
	Attentive	0.47	0.13	-1.57	158.74	5.55	2	0.06	-	-	-	-
	Involved in decisions	0.73	0.12	1.47	156.98	1.55	2	0.46	-	-	-	-
Hand therapist	Respect	-2.88	0.33	-0.44	54.61	1.35	2	0.51	-	-	-	-
	Easy to understand	-0.78	0.33	-1.29	55.47	1.49	2	0.48	-	-	-	-
	High level care	-0.26	0.28	-1.18	53.76	2.81	2	0.25	-	-	-	-
	Knowledgeable	0.06	0.28	-0.17	55.47	1.91	2	0.39	-	-	-	-
	Careful	0.21	0.27	-0.43	53.76	2.04	2	0.36	-	-	-	-
	Caring	0.22	0.27	-1.34	55.47	1.52	2	0.47	-	-	-	-
	Answered questions	0.39	0.25	-0.94	55.47	1.77	2	0.41	-	-	-	-
	Understood concerns	0.61	0.26	-1.51	54.61	0.98	2	0.61	-	-	-	-
	Spent time	0.80	0.25	0.18	53.76	0.78	2	0.68	-	-	-	-
	Inspired hope	1.64	0.23	2.05	54.61	8.74	2	0.01	-	-	-	-

Information	Who is involved	-0.75	0.14	-1.07	187.71	3.98	2	0.14	-	-	-	-
	Easy to understand	-0.43	0.13	-3.52	189.48	7.52	2	0.02	-	-	-	-
	How surgery done	-0.35	0.13	0.95	188.60	0.58	2	0.75	-	-	-	-
	Easy to ask	-0.30	0.13	-1.84	188.60	1.75	2	0.42	-	-	-	-
	Questions answered	-0.02	0.12	-2.08	186.83	2.20	2	0.33	-	-	-	-
	Time to discuss	0.29	0.12	-1.58	188.60	2.82	2	0.24	-	-	-	-
	Complications	0.29	0.12	3.73	185.06	4.69	2	0.10	-	-	-	-
	Achieve goals	0.41	0.12	0.97	188.60	0.89	2	0.64	-	-	-	-
	Expectations	0.43	0.12	-0.69	185.94	2.79	2	0.25	-	-	-	-
Consistent	0.44	0.11	0.37	188.60	1.69	2	0.43	-	-	-	-	
Office staff	Professional	-0.50	0.22	-1.09	60.96	3.38	2	0.18	-	-	-	-
	Comfortable	-0.31	0.24	0.14	61.79	1.02	2	0.60	-	-	-	-
	Friendly	-0.25	0.23	-0.69	60.96	2.32	2	0.31	-	-	-	-
	Answered questions	0.07	0.23	-0.13	60.96	0.11	2	0.95	-	-	-	-
	Thorough	0.16	0.22	-0.52	61.79	0.53	2	0.77	-	-	-	-
	Team work	0.16	0.23	0.15	60.96	0.43	2	0.81	-	-	-	-
	Attentive	0.26	0.23	-0.55	61.79	1.18	2	0.55	-	-	-	-
	Knowledgeable	0.42	0.21	-1.22	61.79	1.17	2	0.56	-	-	-	-
Outcome	Glad had it	-1.61	0.12	-0.15	271.41	1.88	4	0.76	No	No	No	No
	Recommend	-0.33	0.10	-0.92	262.13	6.08	4	0.19	No	No	No	No
	Have it again	-0.10	0.10	1.14	262.13	4.45	4	0.35	No	No	No	No
	Satisfied	0.07	0.10	-0.27	266.35	3.82	4	0.43	No	No	No	No
	Changed life	0.49	0.10	1.99	259.61	2.38	4	0.67	No	No	No	No
	Met expectations	0.62	0.10	-2.04	262.98	3.19	4	0.53	No	No	No	No
	Turned out great	0.86	0.10	-2.74	255.39	11.14	4	0.03	No	No	No	No
Splint	Remove	-1.06	0.09	0.62	296.90	8.73	4	0.07	-	-	-	-

	Looked	-0.61	0. 08	1.10	307. 26	8.7 6	4	0.07	-	-	-	-
	Socialize	-0.58	0. 08	- 2.16	302. 94	10. 45	4	0.03	-	-	-	-
	Enjoy life	0.03	0. 08	- 2.17	308. 12	11. 28	4	0.02	-	-	-	-
	Comfortable	0.30	0. 08	0.49	313. 30	1.2 3	4	0.87	-	-	-	-
	Sleep	0.44	0. 08	- 0.16	308. 98	3.8 0	4	0.43	-	-	-	-
	Active	0.55	0. 08	0.44	307. 26	1.7 5	4	0.78	-	-	-	-
	Get dressed	0.92	0. 08	0.42	307. 26	6.4 1	4	0.17	-	-	-	-

SE = standard error; DF = degrees of freedom; χ^2 = Chi-square