Supplemental Material S2. Item parameters and fit statistics for the CIQOL-35 Profile instrument for CIQOL-10 Global instrument development.

CIQOL-10	Item stem (items in CIQOL-35)	Domain	Item parameters		Fit statistics			
			Difficulty	Discrim-ination	Infit MnSq	Infit Zstd	Outfit MnSq	Outfit Zstd
X	Have to concentrate during conversation with strangers in noisy place	Lis	3.18	.92	1.07	.9	1.09	.9
	Follow conversation in a group of 5	Com	1.99	1.24	.76	-3.6	.90	-1.3
	Have to concentrate during conversation	Lis	1.94	.89	1.11	1.6	1.08	1.0
X	Understand strangers without lip reading in a noisy place	Com	1.26	1.18	.85	-2.1	.84	-2.3
	Easily have conversation in a noisy place	Lis	1.19	1.10	.97	-.5	.92	-1.1
	Frustrated when cannot follow conversation	Emo	.99	1.00	1.00	.0	.99	-.1
	Conversation in a noisy place without asking for repeat	Com	.97	1.47	.57	-7.1	.57	-7.0
X	Hear someone approach from behind	Env	.87	.95	1.00	.0	1.03	.4
	Music sounds clear and natural[a]	Ent	.79	.36	1.62	7.3	1.57	6.6
	Understand conversation in a crowded room	Com	.79	1.43	.61	-6.4	.61	-6.1
	Ask a lot of questions about what is being said	Com	.62	1.30	.68	-5.0	.72	-4.2
X	Keep quiet in conversation to avoid saying wrong thing	Emo	.43	1.00	.96	-.5	1.12	1.5
	Feel left out in a group	Soc	.38	1.08	.96	-.5	.92	-1.0
	Recognize melodies in music	Ent	.19	.81	1.18	2.4	1.17	2.1
	Ignore competing sounds and focus on who is speaking	Lis	.06	1.13	.84	-2.2	.87	-1.7
X	Hear and understand without looking	Com	.05	1.35	.70	-4.6	.68	-4.7
	Conversation without asking for repeat	Com	-.09	1.39	.61	-6.2	.63	-5.4
	Able to enjoy music[a]	Ent	-.14	.12	1.90	9.8	1.80	8.2
	Avoid social situations	Soc	-.21	1.06	.96	-.6	.95	-.7
X	Takes minimal effort to follow conversation	Lis	-.31	1.29	.72	-4.3	.77	-3.0
	Conversation with 3+ people	Com	-.37	1.39	.66	-5.2	.65	-4.9
	Hear cars approaching in traffic	Env	-.41	.72	1.21	2.7	1.26	2.9
	Able to enjoy listening to radio and TV	Ent	-.49	.72	1.31	3.8	1.31	3.4
	Distinguish sounds in nature	Env	-.54	1.09	.86	-2.0	.91	-1.1
	Hearing loss makes me irritable	Emo	-.57	.94	1.10	1.3	1.02	.3
X	Due to hearing loss, listen to TV less often than I like	Ent	-.58	.67	1.41	5.0	1.28	3.1
	Other people's voices sound clear and natural	Com	-.77	1.01	1.04	.6	1.00	.0
	Hearing loss makes me feel inadequate	Emo	-.80	.77	1.28	3.4	1.19	2.0
X	Hearing loss keeps me from socializing	Soc	-.90	1.09	1.00	.0	.92	-.9
	Everyday sounds sound natural	Env	-1.07	.87	1.18	2.3	1.08	.8
	Everyday sounds are clear	Env	-1.13	1.01	1.02	.2	.93	-.7
	Have confidence to socialize	Soc	-1.13	1.09	.97	-.4	.87	-1.4
X	Conversation in quiet without asking for repeat	Com	-1.44	1.03	.91	-1.1	1.07	.7
	If interested, will join family/friends for social event	Soc	-2.12	.95	1.19	2.2	.97	-.2
X	Feel comfortable being myself	Emo	-2.63	.88	1.21	2.2	1.05	.3

Note. [a]Item demonstrates misfit to the IRT model. "X" denotes selection for the CIQOL-10. Lis = listening effort; Com = communication; Emo = emotional; Env = environment; Soc = social; Ent = entertainment.