

Appendix F, Table 1: Differential Item Functioning of Ability to Participate in Social Roles and Activities Domain, OA-K cross-sectional sample

Items	Chi ² Values		McFadden Pseudo R ² Change Value		DIF Interpret.
	Uniform Model 1 v 2	Non-uniform Model 2 v 3	Uniform Model 1 v 2	Non-uniform Model 2 v 3	
Sex (male vs. female)					
I have trouble accomplishing my usual work (include work at home)	0.572	0.280	0.000	0.001	No
I have trouble doing everything for work that I want to do (include work at home)	0.469	0.890	0.000	0.000	No
I have to limit social activities at home	0.002	0.145	0.006	0.001	No
I have to limit social activities outside my home	0.531	0.019	0.000	0.003	No
I have trouble participating in recreational activities with others	0.003	0.118	0.005	0.002	No
I have trouble doing all the leisure activities with others that I want to do	0.310	0.027	0.001	0.003	No
I have trouble doing all of the work that is really important to me (include work at home)	0.655	0.127	0.000	0.001	No
I have trouble doing all of the work that I feel I should do (include work at home)	0.686	0.238	0.000	0.001	No
Age (≤55 vs. >55)					
I have trouble accomplishing my usual work (include work at home)	0.451	0.243	0.000	0.001	No
I have trouble doing everything for work that I want to do (include work at home)	0.807	0.809	0.000	0.000	No
I have to limit social activities at home	0.013	0.327	0.004	0.001	No
I have to limit social activities outside my home	0.050	0.151	0.002	0.001	No

Items	Chi ² Values		McFadden Pseudo R ² Change Value		DIF Interpret.
	Uniform Model 1 v 2	Non-uniform Model 2 v 3	Uniform Model 1 v 2	Non-uniform Model 2 v 3	
Age (≤ 55 vs. >55) - continued					
I have trouble participating in recreational activities with others	0.011	0.827	0.004	0.000	No
I have trouble doing all the leisure activities with others that I want to do	0.422	0.496	0.000	0.000	No
I have trouble doing all of the work that is really important to me (include work at home)	0.151	0.483	0.001	0.000	No
I have trouble doing all of the work that I feel I should do (include work at home)	0.505	0.563	0.000	0.000	No
Education (completed college or not)					
I have trouble accomplishing my usual work (include work at home)	0.733	0.479	0.000	0.000	No
I have trouble doing everything for work that I want to do (include work at home)	0.538	0.614	0.000	0.000	No
I have to limit social activities at home	0.039	0.529	0.003	0.000	No
I have to limit social activities outside my home	0.174	0.868	0.001	0.000	No
I have trouble participating in recreational activities with others	0.034	0.438	0.003	0.000	No
I have trouble doing all the leisure activities with others that I want to do	0.844	0.670	0.000	0.000	No
I have trouble doing all of the work that is really important to me (include work at home)	0.366	0.150	0.001	0.001	No
I have trouble doing all of the work that I feel I should do (include work at home)	0.131	0.665	0.002	0.000	No

Abbreviation: DIF is Differential Item Functioning, Interpret. is Interpretation. Models: Model 1 = ability explanatory term only; Model 2 = ability + group explanatory terms; Model 3 = ability + group + ability-by-group interaction explanatory terms.