

Appendix F, Table 2: Differential Item Functioning of Depression Domain, OA-K cross-sectional sample

Items	Chi <sup>2</sup> Values		McFadden Pseudo R <sup>2</sup> 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	
<b>Sex (male vs. female)</b>					
In the past 7 days, I felt depressed	0.300	0.602	0.001	0.000	No
In the past 7 days, I felt unhappy	0.800	0.937	0.000	0.000	No
In the past 7 days, I withdrew from other people	0.019	0.560	0.003	0.000	No
In the past 7 days, I felt lonely	0.235	0.452	0.001	0.000	No
<b>Age (≤55 vs. &gt;55)</b>					
In the past 7 days, I felt depressed	0.120	0.124	0.001	0.001	No
In the past 7 days, I felt unhappy	0.060	0.030	0.002	0.003	No
In the past 7 days, I withdrew from other people	0.085	0.640	0.002	0.000	No
In the past 7 days, I felt lonely	0.729	0.985	0.000	0.000	No
<b>Education (completed college or not)</b>					
In the past 7 days, I felt depressed	0.840	0.085	0.000	0.002	No
In the past 7 days, I felt unhappy	0.565	0.445	0.000	0.000	No
In the past 7 days, I withdrew from other people	0.571	0.167	0.000	0.001	No
In the past 7 days, I felt lonely	0.873	0.562	0.000	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.