Online Resource Table 1: Cross-tabulation of Change Groups Based on Item Response Theory (columns) and Classical Test Theory (rows) Standard Errors for Simulated Random Change in Physical Function (Two-tailed, $p < 0.05$)

Item Response Theory

Classical Test Theory	Worse	Same	Better	Total
Worse	**31229**	672	0	31901
Same	3637	**58946**	3646	66229
Better	0	684	**31186**	31870
Total	34866	60302	34832	130000

From: Using Item Response Theory to Identify Responders to Treatment: Examples with the Patient Reported Outcomes Measurement Information System (PROMIS®) Physical Functioning and Emotional Distress Scales
Psychometrika
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