

Online Resource Table 4. Cross-tabulation of Change Groups Based on Item Response Theory (columns) and Classical Test Theory (rows) Standard Errors for Simulated Physical Function Change From -3 to 0, 1, 2 or 3 Theta

Item Response Theory				
Classical Test Theory	Worse	Same	Better	Total
Worse	0 (100%)	0	0	0
Same	0	0 (100%)	0	0
Better	0	0	10,000 (100%)	10,000
Total	0	0	10,000	10,000

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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