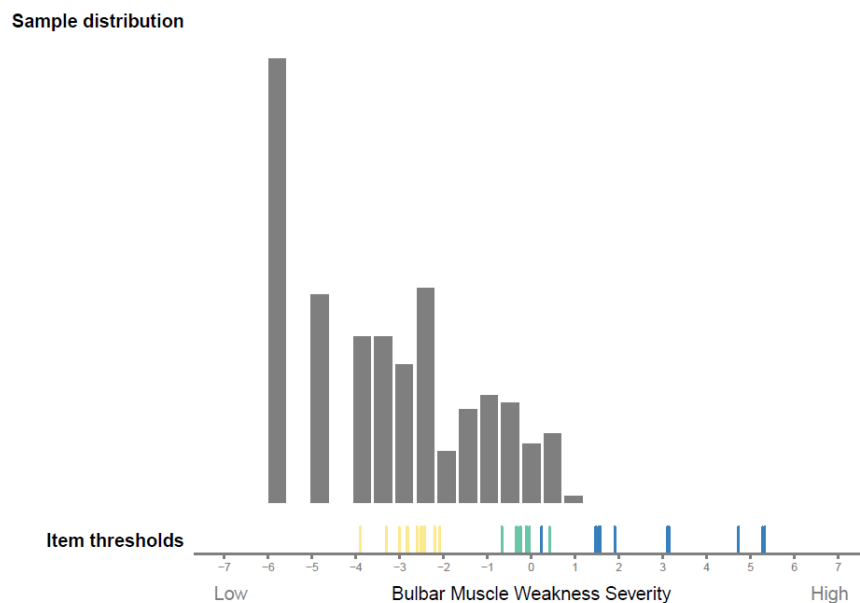


Quantitative RMT results

These figures depict the person-item threshold distributions for MG Symptoms PRO domains for bulbar symptoms, ocular symptoms, and muscle weakness fatigability. The upper histogram shows the person (sample) distribution for the scale total score estimates, plotted on a severity continuum ranging from left (low severity) to right (high severity). The lower histogram represents the scale item threshold estimate distribution, plotted on the same interval-level measurement continuum. A threshold reflects the location on the measurement continuum where two adjacent response categories are equally likely to be endorsed. RMT expects the ordering of the response categories to reflect the intended severity i.e., from none of the time to all the time

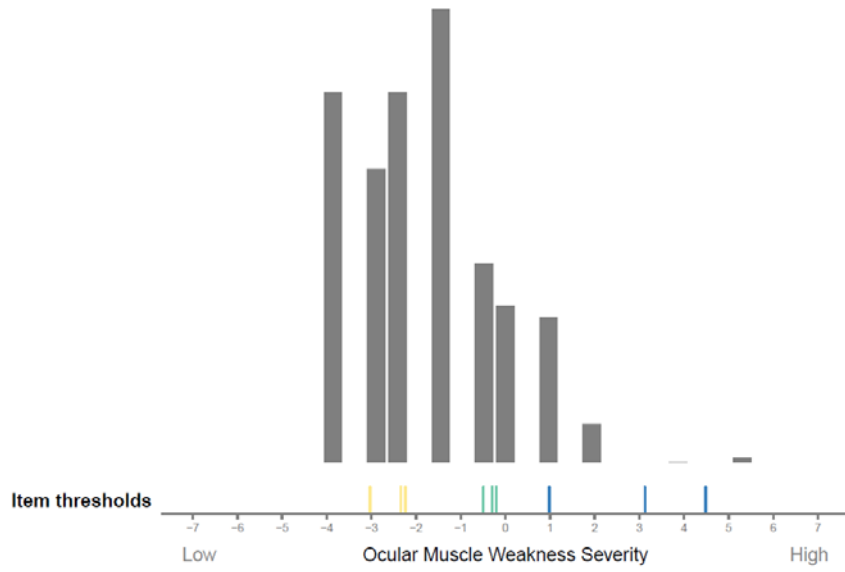
Quantitative RMT results of original scales

Bulbar muscle weakness: targeting



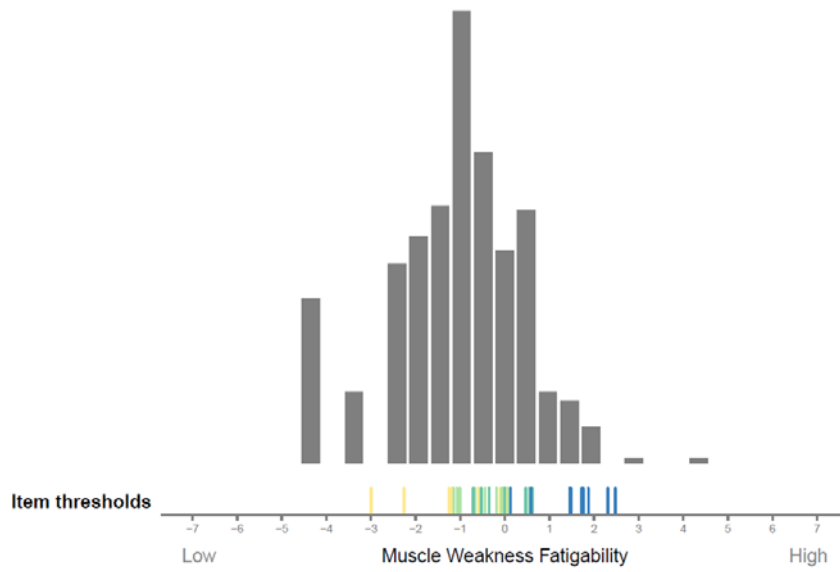
Ocular muscle weakness: targeting

Sample distribution



Muscle weakness fatiguability targeting

Sample distribution



CTT analyses

CTT results were supportive of all revised scales. Good to excellent reliability was demonstrated for most scales. As expected, the scales with the fewest items (respiratory symptoms and ocular symptoms) showed the lowest reliability coefficients.

Reliability statistics for the MG Symptoms PRO

Scale	Internal consistency reliability		Test-retest between Baseline and Visit 4		Test-retest between Visit 13 and Visit 15	
	N	Cronbach's Alpha	N	ICC	N	ICC
Ocular muscle weakness	43	0.70	28	0.77	28	0.89
Bulbar muscle weakness	43	0.89	28	0.90	28	0.92
Respiratory muscle weakness	NA	NA	28	0.37	28	0.78
Physical fatigue original form	43	0.95	28	0.82	28	0.97
Muscle weakness fatigability	42	0.87	27	0.81	28	0.94

ICC, item characteristic curves; NA, not applicable.

Correlation of the MG Symptoms PRO scale domains with the MGC, QMG and MG-ADL scores at baseline.

MG Symptoms PRO scale (N)	Correlation coefficient*		
	MGC	QMG	MG-ADL
Ocular muscle weakness (43)	0.39	0.51	0.63
Bulbar muscle weakness (43)	0.50	0.46	0.62
Respiratory muscle weakness (43)	0.37	0.31	0.35
Physical fatigue original form (43)	0.20	0.34	0.40
Muscle weakness fatigability (42)	0.56	0.58	0.74

* Spearman correlation coefficient.

In white, low correlations (<0.30); in light blue, mild correlations (0.30–0.49); in dark blue, moderate correlations (0.50–0.79).