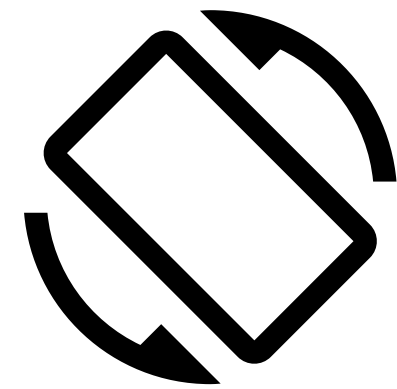




Do Generic Health and Population Norm Based Outcomes Adequately Detect Change in Patients Attending Outpatient Physical Therapy?

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START HERE

The purpose was to determine the ability of Patient Reported Outcome Measurement Information (PROMIS) Pain Interference (PI), Physical Function (PF), Fatigue, and Self-Efficacy of Symptom Management (SE) scales to detect change and outcomes compared to population norms at discharge from an outpatient orthopedic clinic.

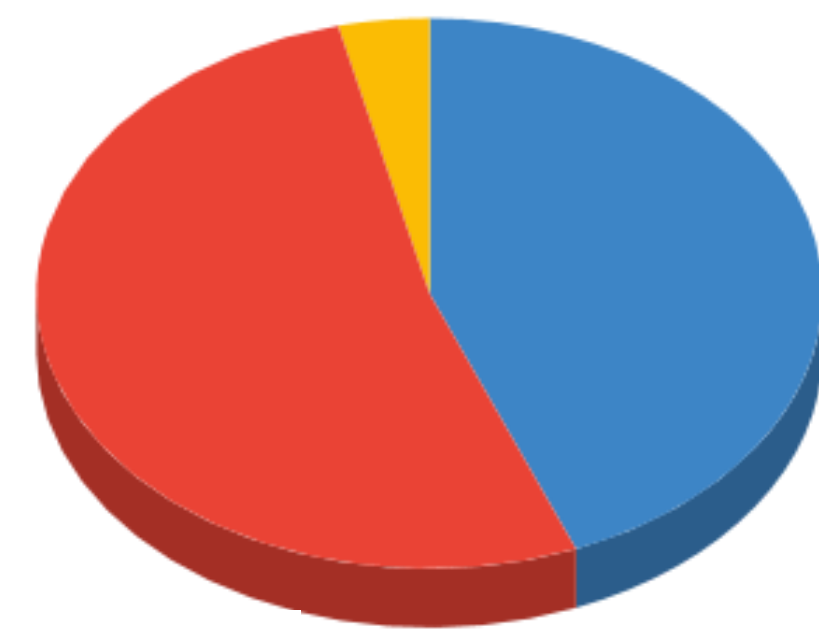
What is Responsiveness?

Responsiveness refers to the ability of an instrument to distinguish clinically important changes as the result of an intervention.

PARTICIPANTS (107)

Body Region

- Spine (47)
- Extremity (56)
- Other (4)

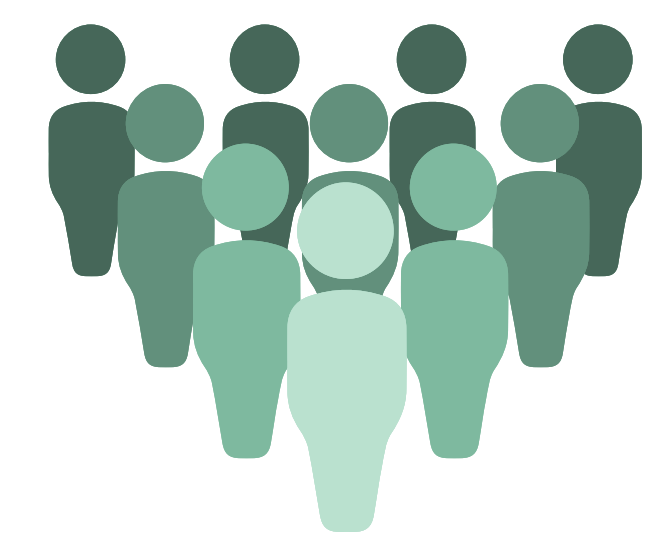


Females: N 67

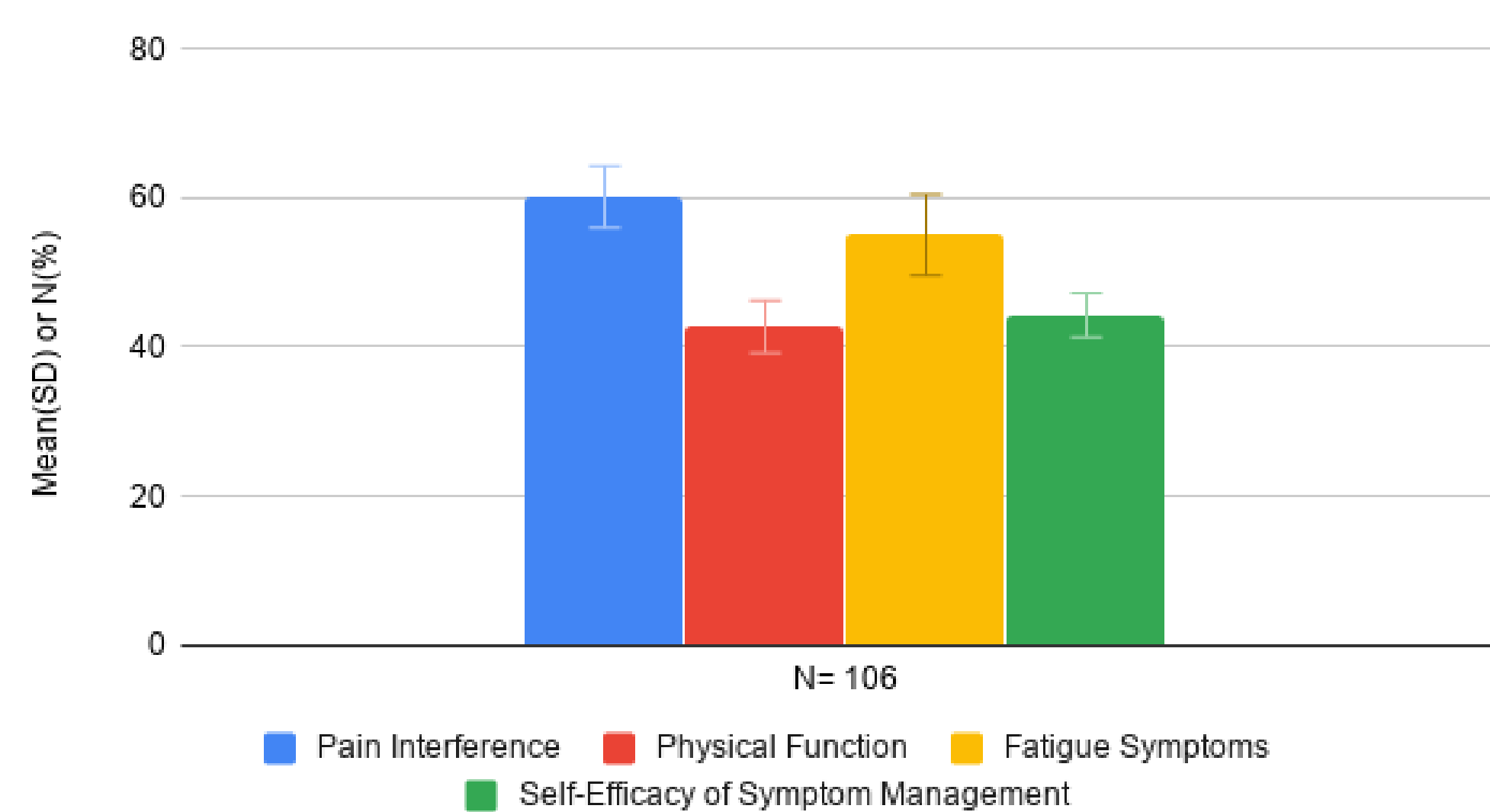
Males: N 39

Age: 42.7 years
(SD = 19.9)

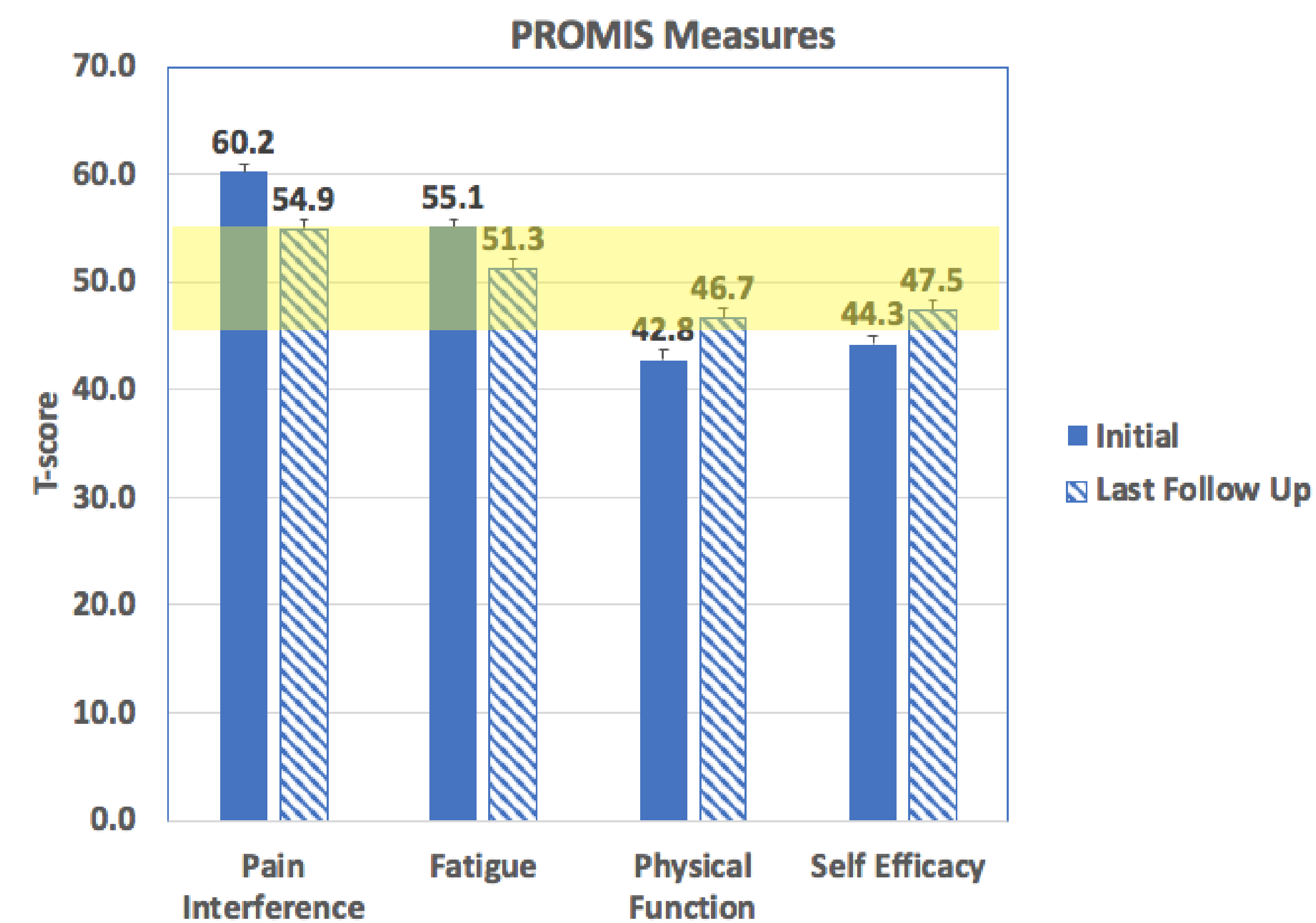
BMI: 26.3 kg/m²
(SD = 5.4)



PROMIS Measure Mean Scores



INITIAL TO LAST FOLLOW UP CHANGES

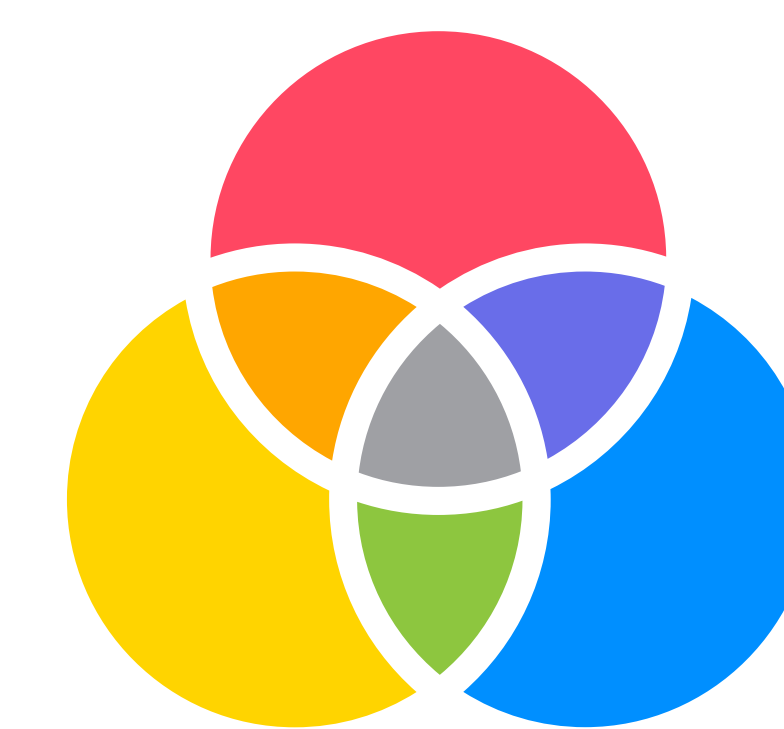


EFFECT SIZE INDEX (ESI)

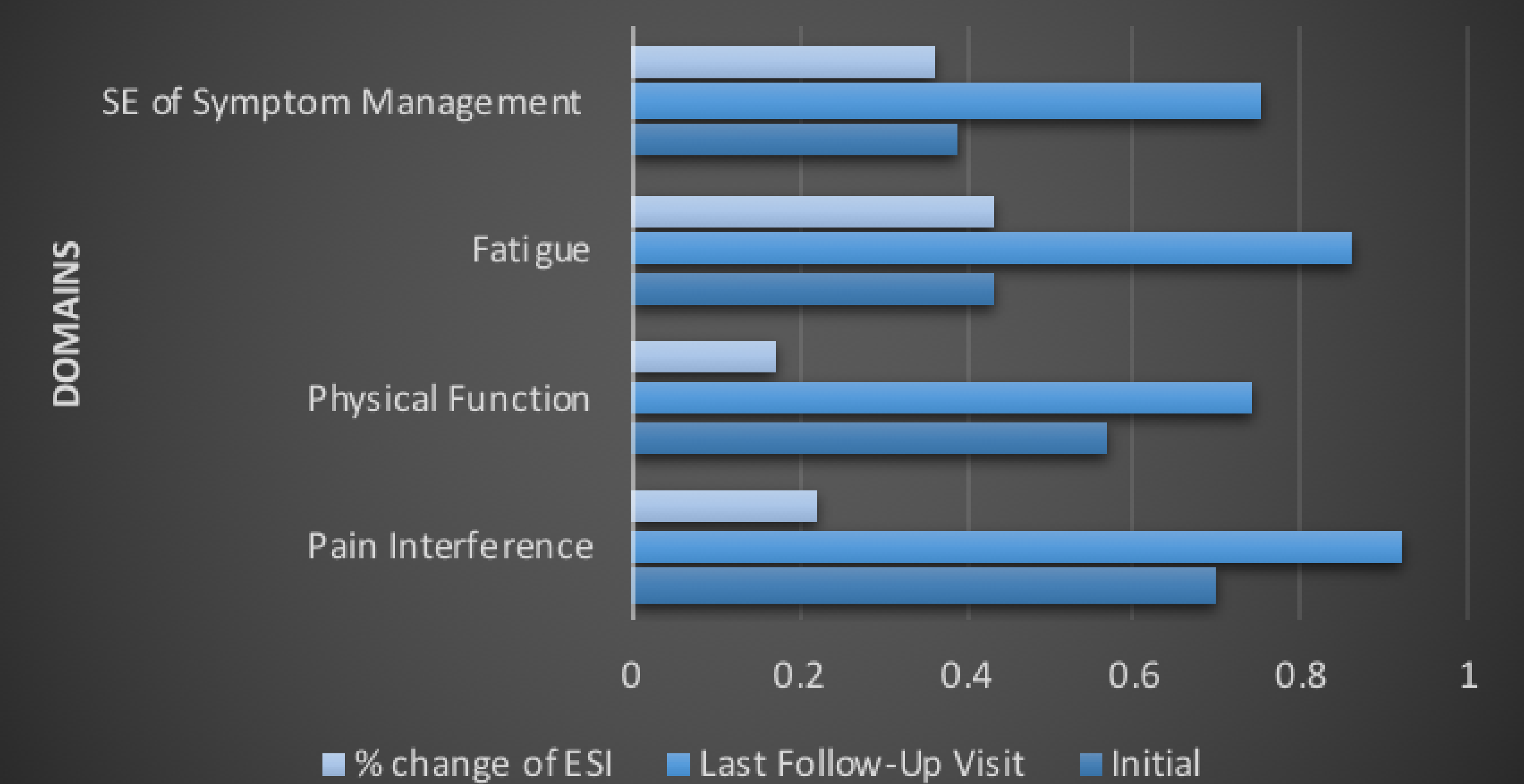
	Mean Change	Lower Bound	Upper Bound
Pain Interference	-5.3	-6.9	-3.8
Fatigue Symptoms	-3.8	-5.6	-2.1
Physical Function	3.9	2.6	5.3

MINIMAL CLINICALLY IMPORTANT DIFFERENCE (MCID)

	MCID Change (4.5)		Initial PASS No OR (95% CI)
	No (%)	Yes(%)	
Pain Interference	53	47	2.8 (1.3 to 6.1)
Physical Function	63	37	1.8 (0.8 to 6.5)
Fatigue	56	44	5.2 (2.3 to 11.9)
Self-Efficacy	66	34	2.5 (1.1 to 5.7)
Any Measure	30	70	



Effect Size Index % (ESI)



RESULTS

- ESI values for all patients & patients with unacceptably low IE scores: PI=0.602, PF=0.428, Fatigue= 0.551, and SE= 0.443, respectively
- Proportion improved an MCID: PI=47%, PF=37%, Fatigue= 44%, and SE= 34%
- Proportion improved on at least 1 scale by an MCID of 70%
- Odds Ratio for improving to acceptable symptom severity: PI=2.8 (1.3 to 6.1), PF=1.8 (0.8 to 6.5), Fatigue=5.2 (2.3 to 11.9) and SE=2.5 (1.1 to 5.7)

CLINICAL RELEVANCE

Generic health and population norm-based outcomes (PROMIS) are able to detect change and determine patient status relative to US population norms for a variety of orthopedic health problems.



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