ONLINE SUPPLEMENTARY DATA

Supplementary Table 1. Correlations of PROMIS short form instruments with other patient-reported outcomes at baseline

PROMIS Short form Instrument	SF36 Subscales								SF36 Summary Scores		Global Assessment Scores	
	Vital	PF	BP	SF	MH	GH	RE	RP	PCS	MCS	PtGA	PhGA
Fatigue	-0.67*	-0.54*	-0.51*	-0.58*	-0.43*	-0.44*	-0.48*	-0.59*	-0.65*	-0.53*	0.48*	0.17*
Physical function	0.53*	0.74*	0.55*	0.51*	0.32*	0.41*	0.40*	0.64*	0.83*	0.32*	-0.44*	-0.12*
Pain Interference	-0.52*	-0.51*	-0.64*	-0.54*	-0.41*	-0.35*	-0.44*	-0.53*	-0.70*	-0.45*	0.45*	0.07
Applied cognitive abilities	0.47*	0.38*	0.38*	0.46*	0.47*	0.33*	0.46*	0.46*	0.42*	0.53*	-0.31*	-0.08*
Sleep disturbance	-0.37*	-0.30*	-0.29*	-0.49*	-0.42*	-0.29*	-0.39*	-0.30*	-0.31*	-0.53*	0.33*	0.15*
Social Participation	0.55*	0.68*	0.52*	0.65*	0.45*	0.39*	0.49*	0.63*	0.76*	0.49*	-0.51*	-0.15*
Social isolation	-0.43*	-0.34*	-0.28*	-0.47*	-0.55*	-0.32*	-0.42*	-0.38*	-0.27*	-0.57*	0.21*	0.04
Anxiety	-0.44*	-0.26*	-0.26*	-0.45*	-0.62*	-0.28*	-0.51*	-0.34*	-0.19*	-0.66*	0.22*	0.00

Spearman correlation coefficients between scores from 10 PROMIS Short form instruments, SF36 subscales, SF-36 summary scores and physician- and patient global assessment scores.

PROMIS = Patient -Reported Outcomes Measurement Information System, CAT = Computer adaptive testing, SF36= Short form 36, Vital. = Vitality, PF = Physical function, BP = bodily pain, SF = social function, MH = mental health, GH= general health, RE = role emotional, RP = role physical, PCS = physical component summary, MCS = mental component summary PtGA = Patient global assessment for disease activity, PhGA = Physician global assessment for disease activity.

*p<0.05

Supplementary Table 2. Longitudinal correlations of PROMIS short form instruments with other patient-reported outcomes at baseline

PROMIS Short form Instrument	SF36 Subscales								SF36 Summary Scores		Global Assessment Scores	
	Vital	**PF**	**BP**	**SF**	**MH**	**GH**	**RE**	**RP**	**PCS**	**MCS**	**PtGA**	**PhGA**
Fatigue	-0.56*	-0.42*	-0.42*	-0.44*	-0.35*	-0.34*	-0.56*	-0.42*	-0.42*	-0.44*	-0.35*	-0.34*
Physical function	0.41*	0.58*	0.38*	0.35*	0.23*	0.29*	0.41*	0.58*	0.38*	0.35*	0.23*	0.29*
Pain Interference	-0.34*	-0.35*	-0.45*	-0.37*	-0.27*	-0.24*	-0.34*	-0.35*	-0.45*	-0.37*	-0.27*	-0.24*
Applied cognitive abilities	0.38*	0.28*	0.25*	0.28*	0.38*	0.22*	0.38*	0.28*	0.25*	0.28*	0.38*	0.22*
Sleep disturbance	-0.24*	-0.23*	-0.20*	-0.32*	-0.08	-0.16*	-0.24*	-0.23*	-0.20*	-0.32*	-0.08	-0.16*
Social Participation	0.37*	0.30*	0.36*	0.36*	0.17*	0.20*	0.37*	0.30*	0.36*	0.36*	0.17*	0.20*
Social isolation	-0.16*	-0.17*	-0.20*	-0.24*	-0.27*	-0.15*	-0.16*	-0.17*	-0.20*	-0.24*	-0.27*	-0.15*
Anxiety	-0.27*	-0.14*	-0.23*	-0.19*	-0.34*	-0.10	-0.27*	-0.14*	-0.23*	-0.19*	-0.34*	-0.10

Spearman correlation coefficients between change in scores from 10 PROMIS Short form instruments with change in SF36 subscales, SF-36 summary scores and physician- and patient global assessment scores.

PROMIS = Patient -Reported Outcomes Measurement Information System, CAT = Computer adaptive testing, SF36 = Short form 36, Vital. = Vitality, PF = Physical function, BP = bodily pain, SF = social function, MH = mental health, GH = general health, RE = role emotional, RP = role physical, PCS = physical component summary, MCS = mental component summary, PtGA = Patient global assessment for disease activity, PhGA = Physician global assessment for disease activity.

*p<0.05