

Supplementary Table 1. *A priori* hypotheses fulfilled.

	RAPID3	PSAID12
PSAID12	0.90*	
PSAID9	0.90*	1.00*
SF-12 PCS	-0.67*	-0.73*
SF-12 MCS	-0.41*	-0.48*
BASDAI	0.88*	0.87*
FACIT-F	-0.77*	-0.84*
WLQ**	0.67*	0.72*
Phys Global	0.63*	0.63*
Phys Arth	0.60*	0.56*
Swollen Joints	0.39*	0.39*
Tender Joints	0.42*	0.37*

Green indicates that the *a priori* hypothesis was met. Red indicates that the *a priori* hypothesis was not met.

*p-value <0.05

**The productivity score of the Work Limitations Questionnaire is shown here. The WLQ index had nearly identical coefficients.

Additional Abbreviations: RAPID3=Routine Assessment of Patient Index Data 3 ;PSAID12=Psoriatic Arthritis Impact of Disease 12-question version; PSAID9=Psoriatic Arthritis Impact of Disease 9-question version; SF-12 PCS = Short Form 12 Physical Component Score; SF-12 MCS = Short Form 12 Mental Component Score; BASDAI = Bath Ankylosing Spondylitis Disease Activity Index; Phys global and Phys arth refer to the physician global assessments for overall health and arthritis respectively.

Supplementary Table 2. Univariable and Multivariable Associations with PSAID12 scores.

Factor	n	Univariable		Multivariable	
		Beta-coefficient (95%CI)	p-value	Beta-coefficient (95%CI)	p-value
Age	208	-0.01 (-0.03-0.02)	NS		
Sex	208	0.83 (0.18-1.48)	0.01		
Smokers (ever vs. never)	183	0.47 (-0.31-1.25)	NS		
Alcohol (current use)	182	-0.60 (-0.131-0.10)			
Center	208	-0.05 (-0.41-0.31)			
Race	203	REF			
Caucasian					
Black/African American		4.62 (1.94-7.3)	0.001		
Native American		1.39 (-1.89-4.66)	NS		
Asian		-0.54 (-2.32-1.23)	NS		
Hispanic/Latino		-0.26 (-4.88-4.36)	NS		
Other		0.55 (-1.22-2.32)	NS		
Body Mass Index	206	0.06 (0.01-0.10)	0.02		
Education No college degree	203	REF			
College		-0.60 (-1.43-0.24)	NS		
Post-graduate		-1.66 (-2.60—0.73)	0.001		
Insurance	179	REF		REF	
Uninsured					
Medicare/medicaid		-3.56 (-6.87—0.25)	0.04	-3.32 (-6.32—0.33)	0.03
Private		-5.05 (-8.30—1.80)	0.002	-4.36 (-7.29—1.43)	0.004
Both		-4.94 (-8.37—1.51)	0.005	-4.77 (-7.89—1.64)	0.003
Work	180	REF			
Looking for work					
Full Time		0.41 (-0.28-3.09)	NS		
Part time		1.11 (-1.77-3.98)	NS		
Disabled/sick leave		2.91 (0.11-5.72)	0.04		
Student		1.76 (-1.47-4.99)	NS		
Homemaker		0.72 (-2.16-3.60)	NS		
Retired		0.88 (-1.92-3.68)	NS		
Income	169	REF			
<\$30k					
\$30k-60k		-1.13 (-2.27-0.01)	0.05		
\$60k-\$100k		-1.80 (-2.93—0.66)	0.002		
\$100k-\$250k		-1.44 (-2.58-0.30)	0.01		
>\$250k		-3.52 (-5.02—2.01)	<0.001		
PsA duration (years)	206	-0.01 (-0.04-0.02)	NS		
PsO duration (years)	204	-0.01 (-0.03-0.01)	NS		

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ASAS classification	150	0.22 (-0.70-1.14)	NS		
Inflam Back Pain	180	0.22 (-0.63-1.08)	NS		
Enthesitis Count	178	0.73 (0.36-1.09)	<0.001	0.52 (0.17-0.87)	0.004
Dactylitis Count	181	0.40 (-0.09-0.90)	NS		
Total swollen joint count	183	0.22 (0.13-0.30)	<0.001	0.19 (0.11-0.27)	<0.001
Total tender joints	183	0.11 (0.06-0.15)	<0.001		
Nail dystrophy	143	0.13 (-0.75-1.01)	NS		
Depression	208	1.20 (0.46-1.93)	0.002	1.01 (0.24-1.77)	0.01
History of Diabetes	208	0.14 (-0.90-1.18)	NS		
History of Cardiovascular disease	208	0.51 (-0.23-1.26)	NS		

The β -coefficients can be interpreted as the difference in the mean PRO score between the two groups. The 95% confidence intervals do not include 0 (no difference). CIs that do not cross 0 indicate statistical difference.
