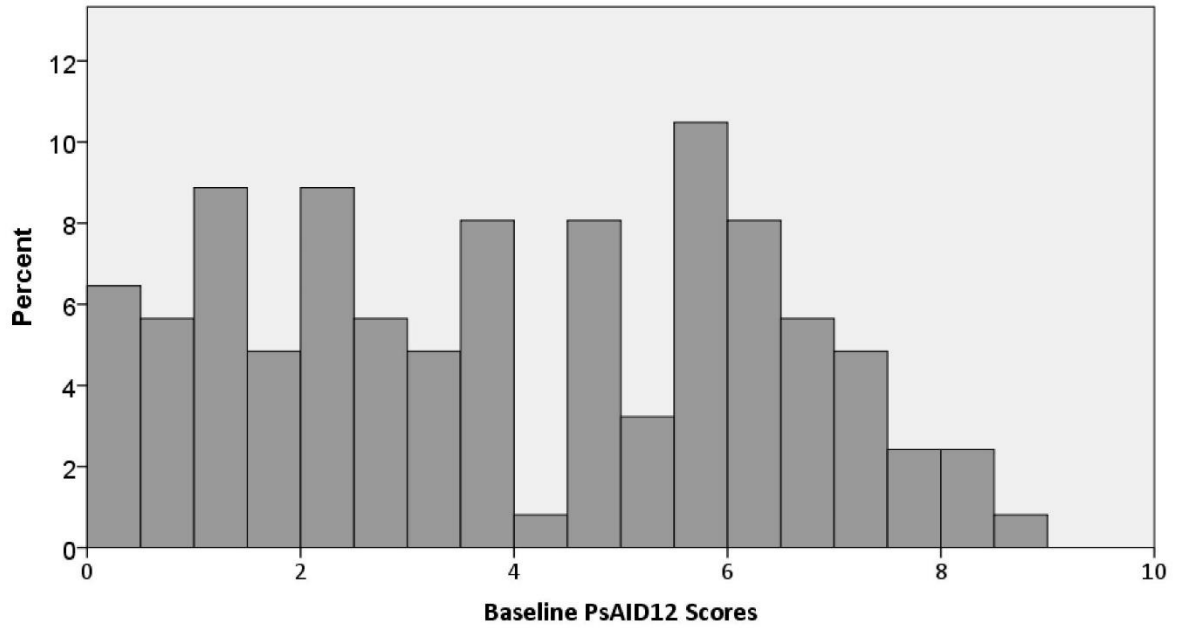
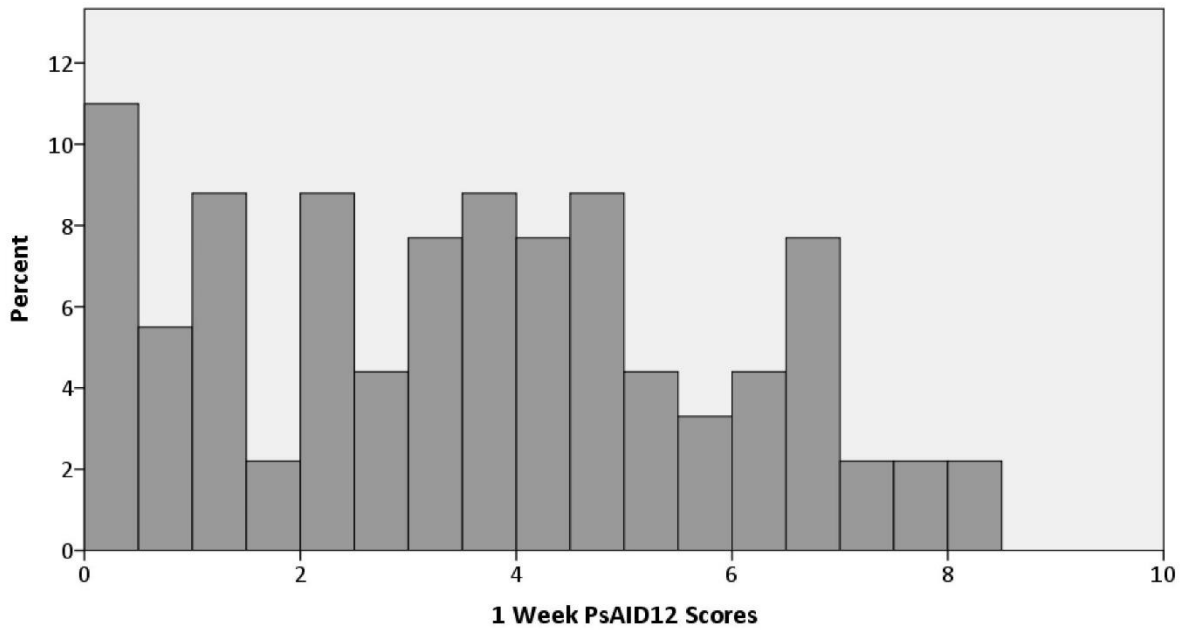


Supplementary Data

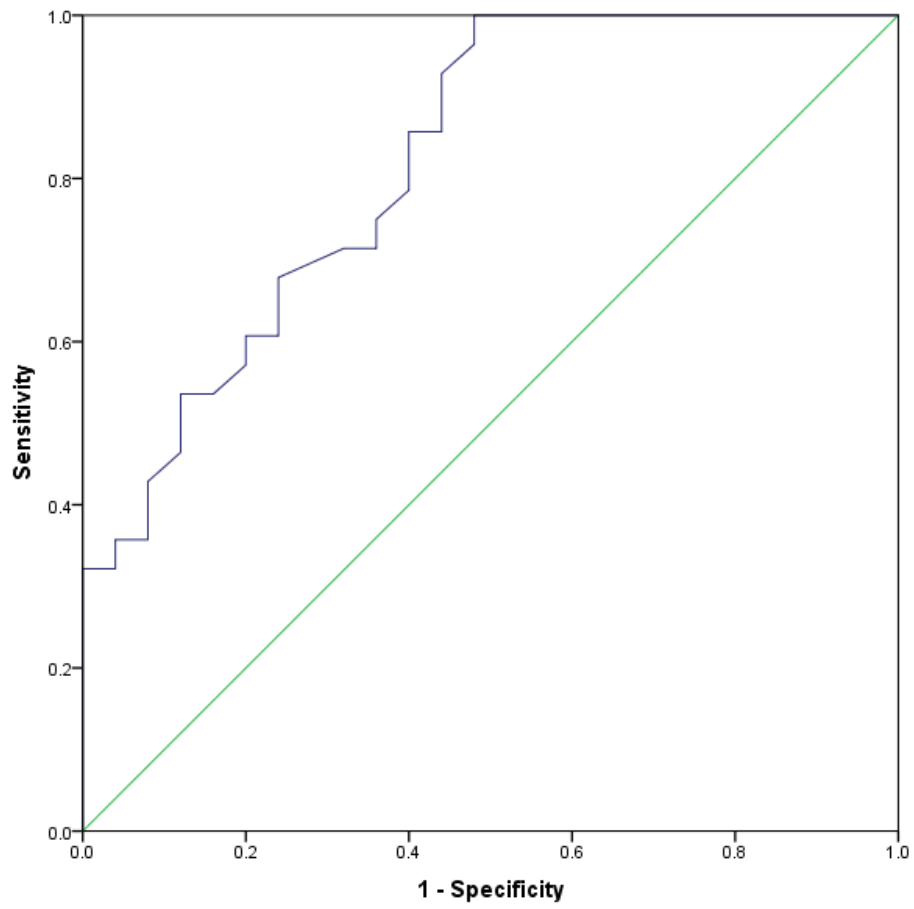
Supplementary Figure 1. Baseline PsAID12 scores at baseline for the total cohort.



Supplementary Figure 2. 1 week PsAID12 scores for the total cohort.



Supplementary Figure 3. Receiver operating characteristic curve showing absolute change in psoriatic arthritis impact of disease (PsAID) score at 3 months.



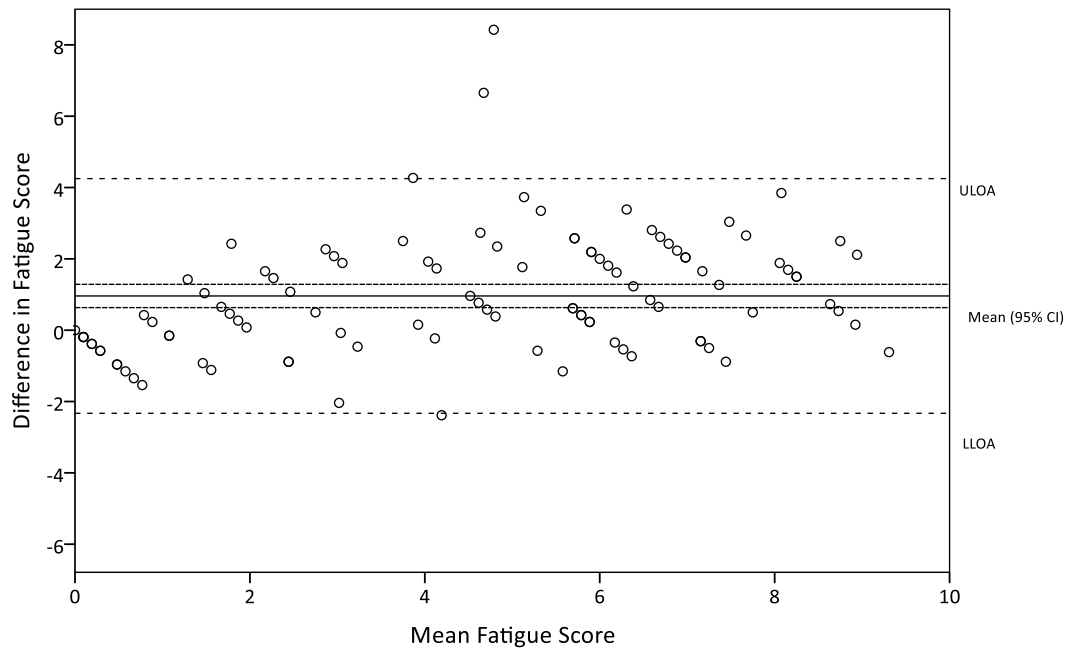
Supplementary Table 1. Spearman rank Correlation coefficient of PsAID items with PROM questionnaires

PsAID Items	PROM Compared	Correlation
1. Pain: Circle the number that best describes the pain you felt due to your psoriatic arthritis during the last week		
2. Fatigue: Circle the number that best describes the overall level of fatigue due to your psoriatic arthritis you have experienced during the last week	FACIT-Fatigue	0.83
3. Skin problems: Circle the number that best describes the skin problems including itching you felt due to your psoriatic arthritis during the last week	DLQI	0.86
4. Work and/or leisure activities: Circle the number that best describes the difficulties you had to participate fully in work and/or leisure activities due to your psoriatic arthritis during the last week	WPAI-SHP: Presenteeism Work (combined)	0.69 0.73
5. Functional capacity: Circle the number that best describes the difficulty you had in doing daily physical activities due to your psoriatic arthritis during the last week	HAQ	0.70
6. Discomfort: Circle the number that best describes the feeling of discomfort and annoyance with everyday tasks due to your psoriatic arthritis during the last week		
7. Sleep disturbance: Circle the number that best describes the sleep difficulties (i.e., resting at night) you felt due to your psoriatic arthritis during the last week		
8. Coping: Considering your psoriatic arthritis overall, how well did you cope (manage, deal, make do) with your psoriatic arthritis during the last week?		
9. Anxiety, fear and uncertainty: Circle the number that best describes the level of anxiety, fear and uncertainty (for example about the future, treatments, fear of loneliness) due to your psoriatic arthritis you have experienced during the last week		
10. Embarrassment and/or shame: Considering your psoriatic arthritis overall, circle the number that best describes the level of embarrassment and/or shame due to your appearance experienced during the last week		
11. Social participation: Circle the number that best describes the difficulties you had to participate fully in social activities (including relationships with family and/or people very close to you) due to your psoriatic arthritis during the last week	WPAI-SHP: Work Impairment	0.67
12. Depression: Circle the number that best describes the level of depression due to your psoriatic arthritis you have experienced during the last week		
PsAID-12	PsAQoL	0.80

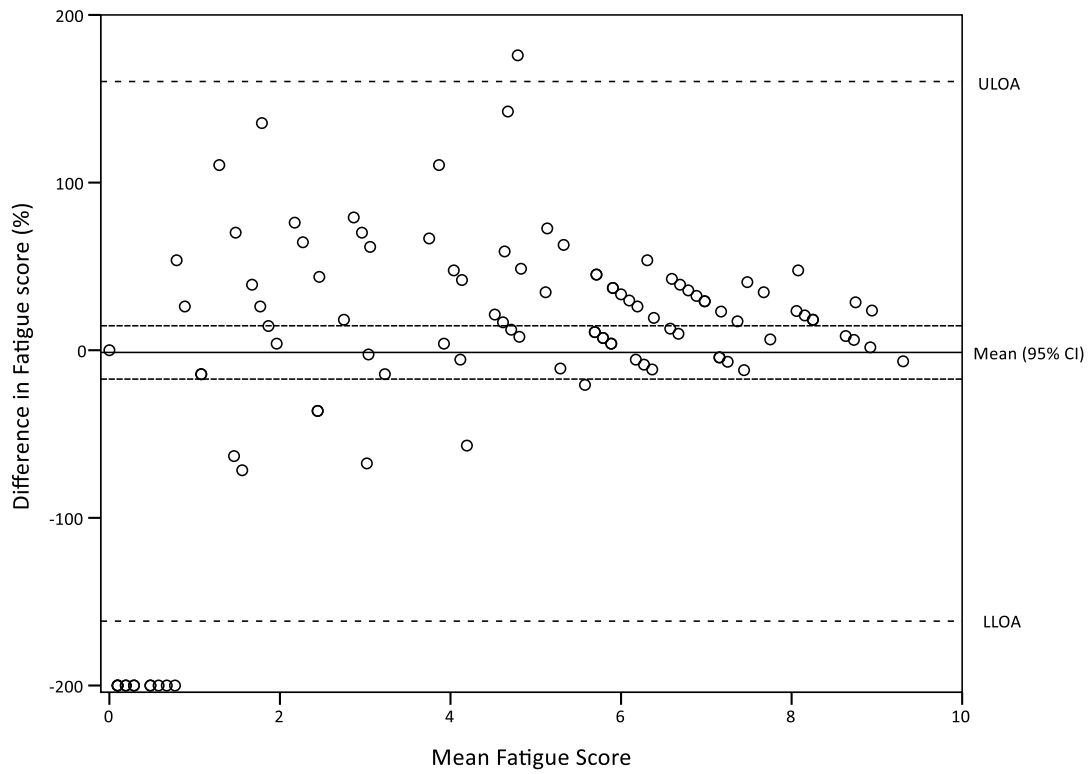
Supplementary Table 2. Questionnaire scores (original and transformed) compared with PsAID item.

Questionnaire	Mean±sd (Original Scoring)	Mean±sd (Transformed to 0-10)	PsAID Item Mean±sd	Mean difference (95% CI)
FACIT-Fatigue	30.99 ± 13.1	4.04 ± 2.5	5.00 ± 3.1	0.96 (0.63-1.29)
DLQI	2.63 ± 3.7	0.87 ± 1.2	2.39 ± 2.6	1.50 (1.17 – 1.82)
WPAI-SHP:				
Presenteeism	26.9 ± 26.8	2.69 ± 2.7		
Impairment	30.0 ± 30.0	3.00 ± 3.0		
Combined	28.5 ± 28.0	2.85 ± 2.8	3.54 ± 2.9	0.70 (0.18 – 1.21)
HAQ	0.96 ± 0.77	3.20 ± 2.6	4.30 ± 2.8	1.02 (0.62 – 1.41)
PsAQoL	9.07 ± 6.0	4.53 ± 3.0	3.97 ± 2.4	-0.53 (-0.85 – -0.22)

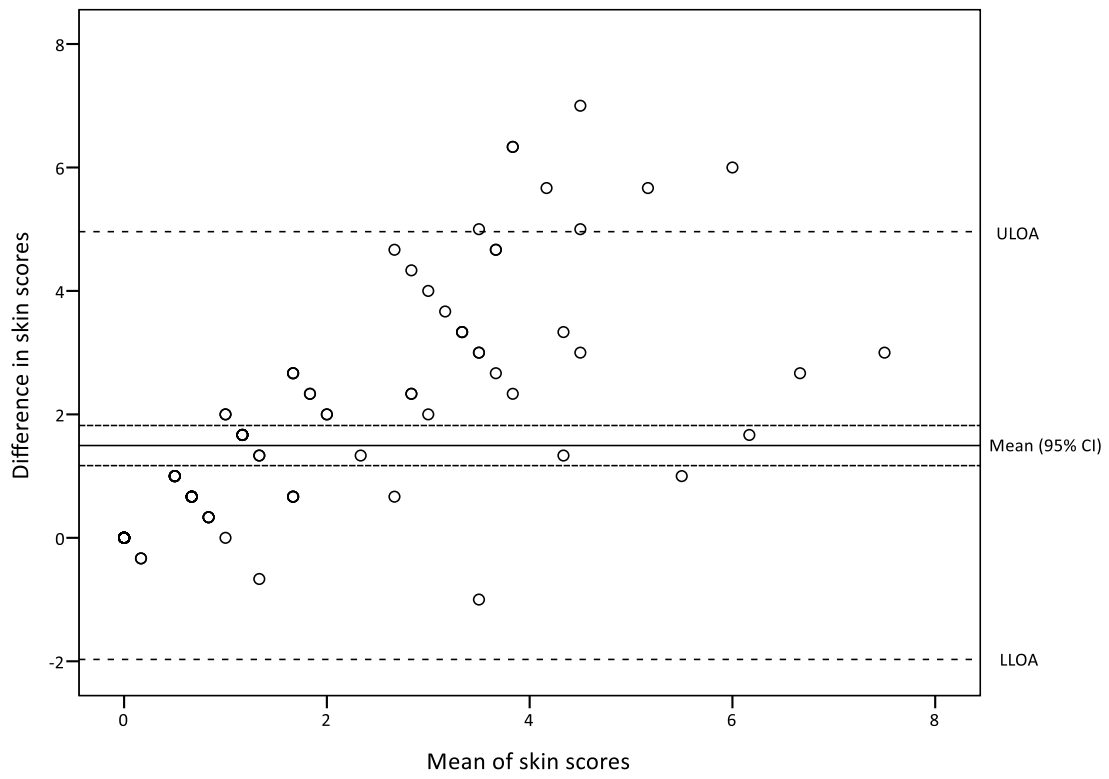
Supplementary Figure 4. Bland-Altman plot of difference in Fatigue scores



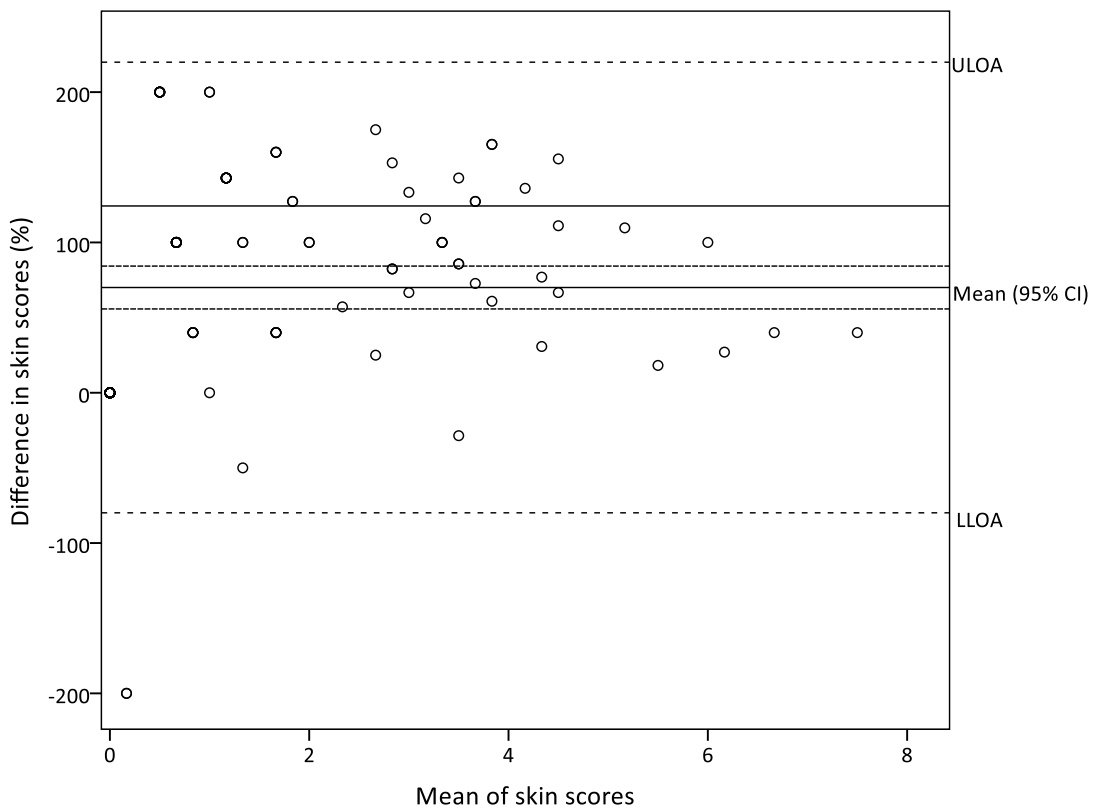
Supplementary Figure 5. Bland-Altman plot of percentage difference in Fatigue scores



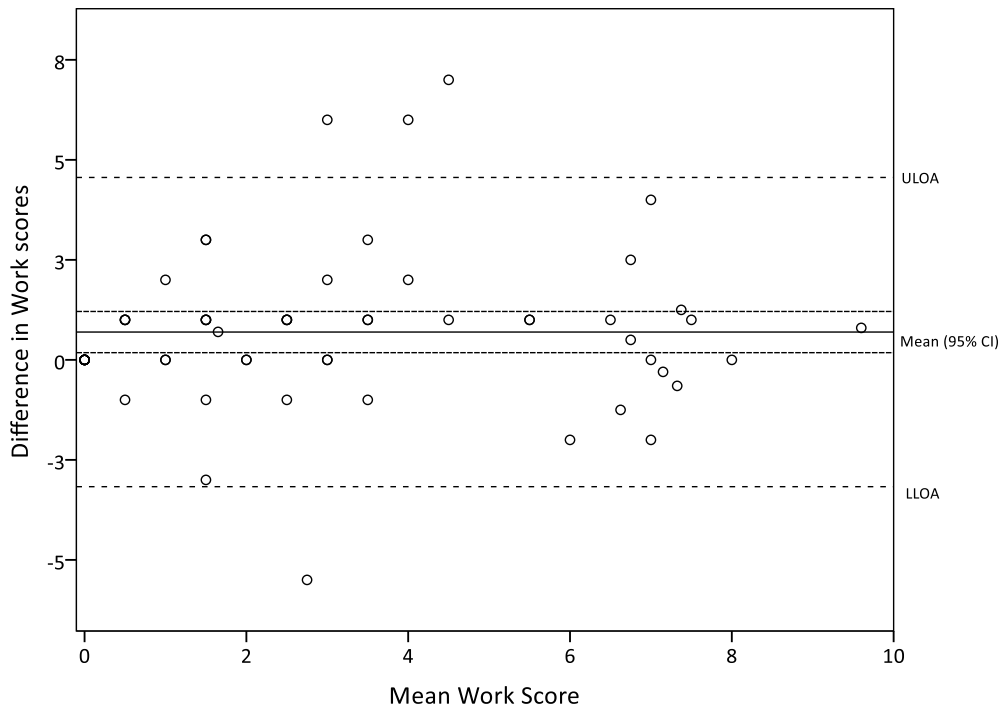
Supplementary Figure 6. Bland-Altman plot of difference in skin scores



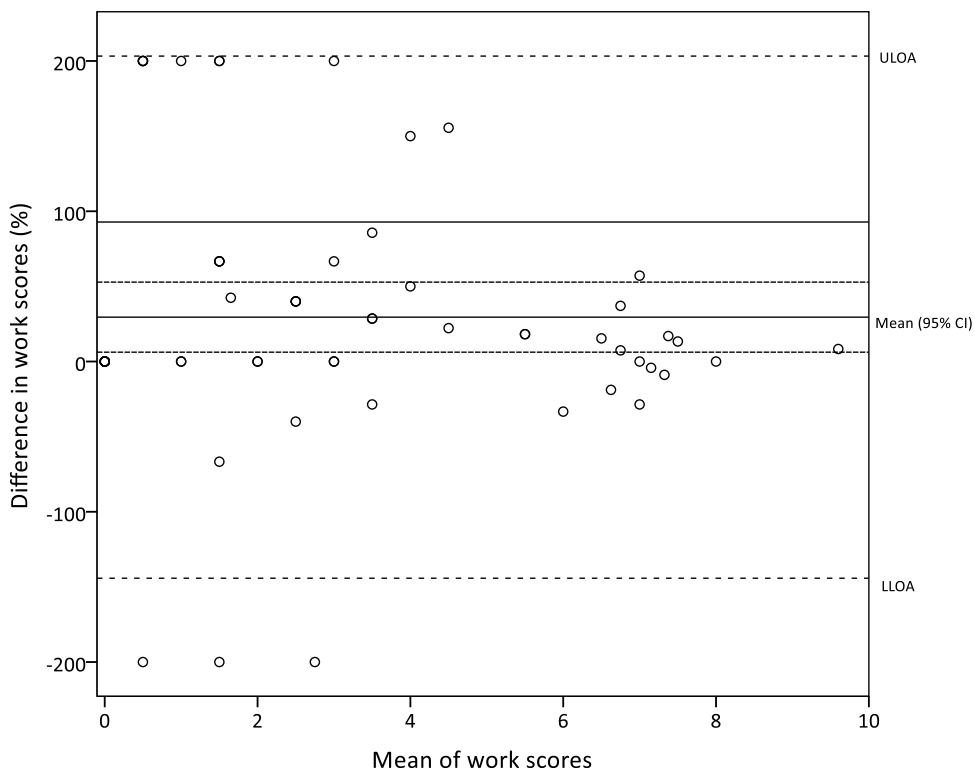
Supplementary Figure 7. Bland-Altman plot of percentage difference in skin scores



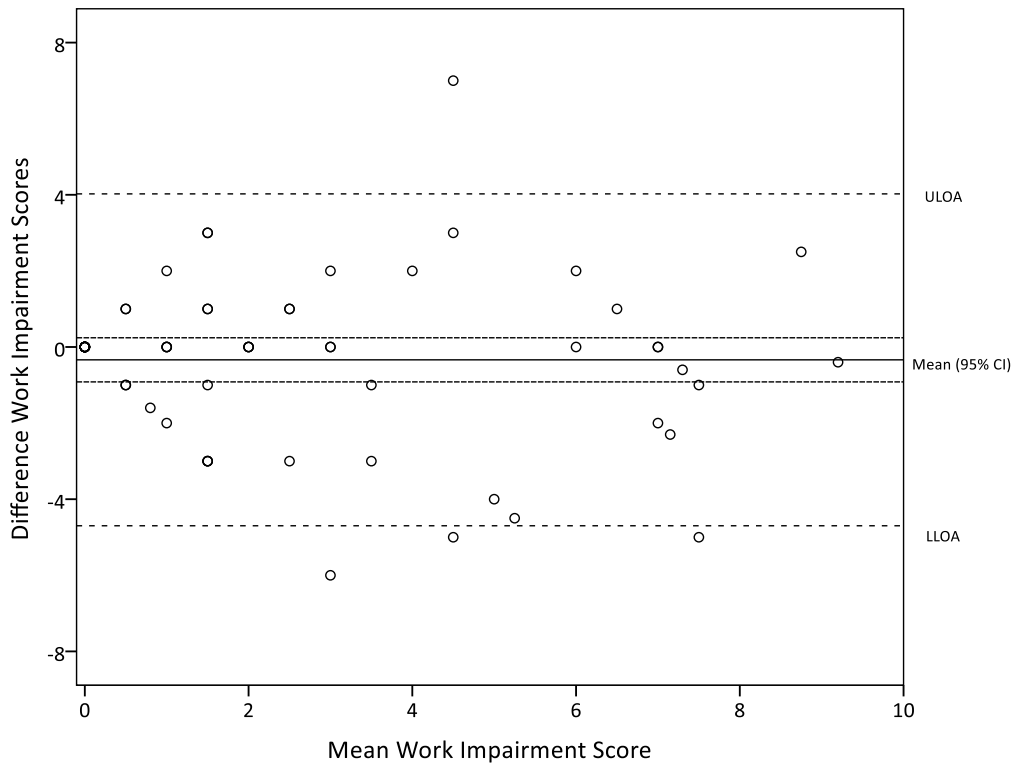
Supplementary Figure 8. Bland-Altman plot of difference in work scores (Presenteeism and Impairment combined)



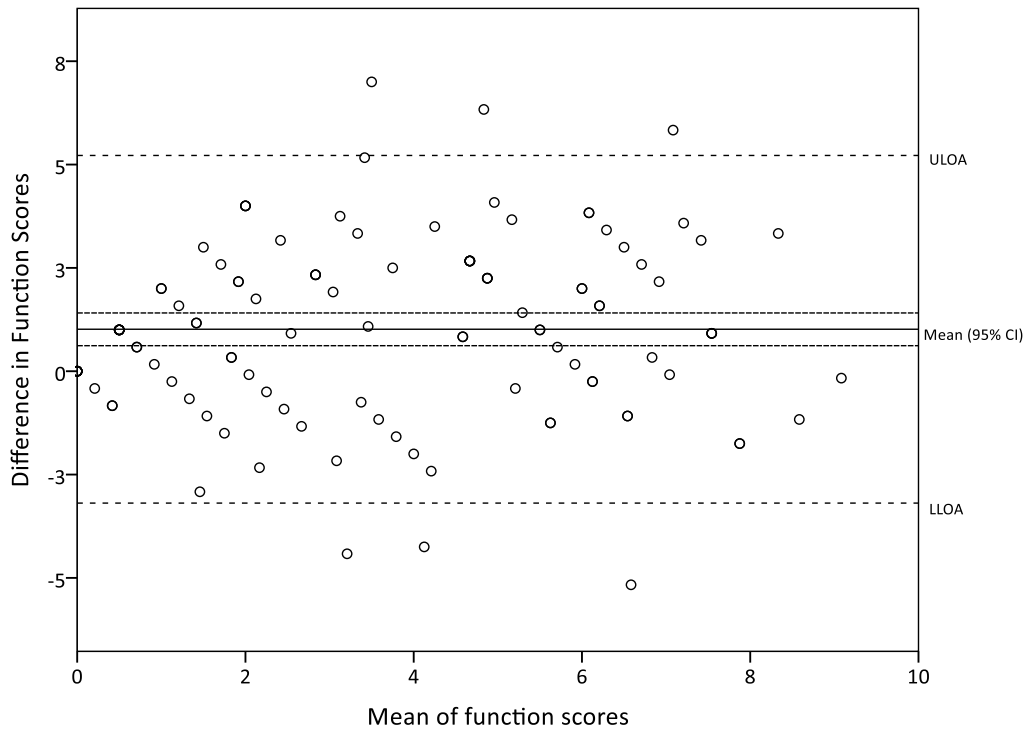
Supplementary Figure 9. Bland-Altman plot of percentage difference in work scores (Presenteeism and Impairment combined)



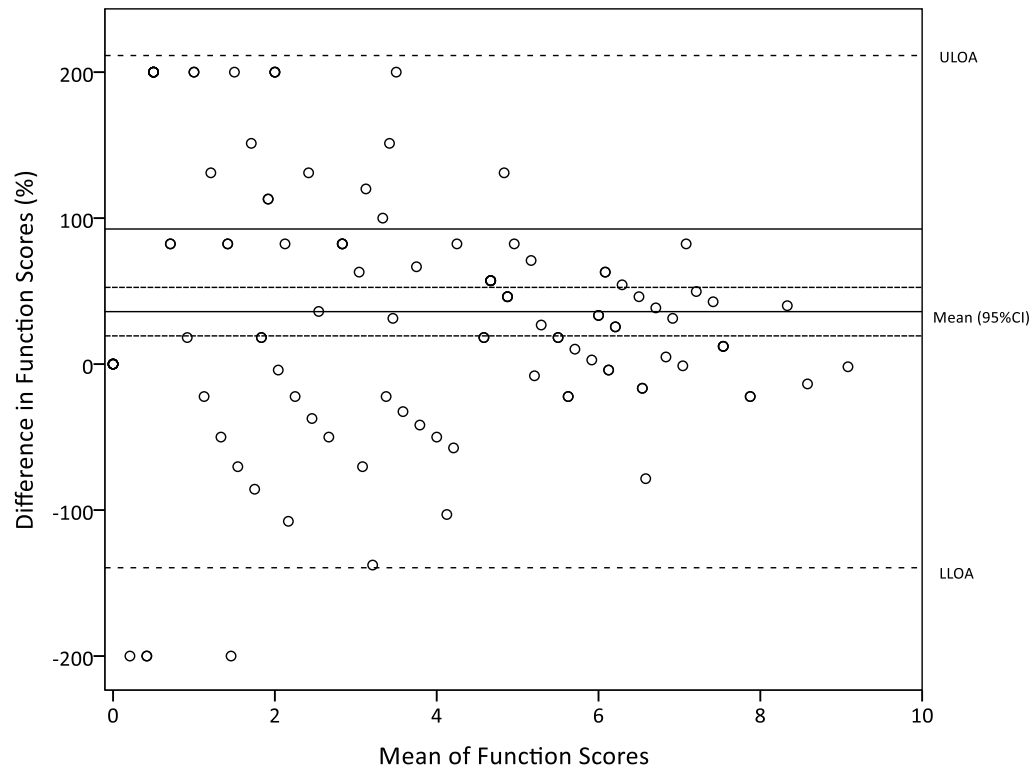
Supplementary Figure 10. Bland-Altman plot of differences in work impairment scores



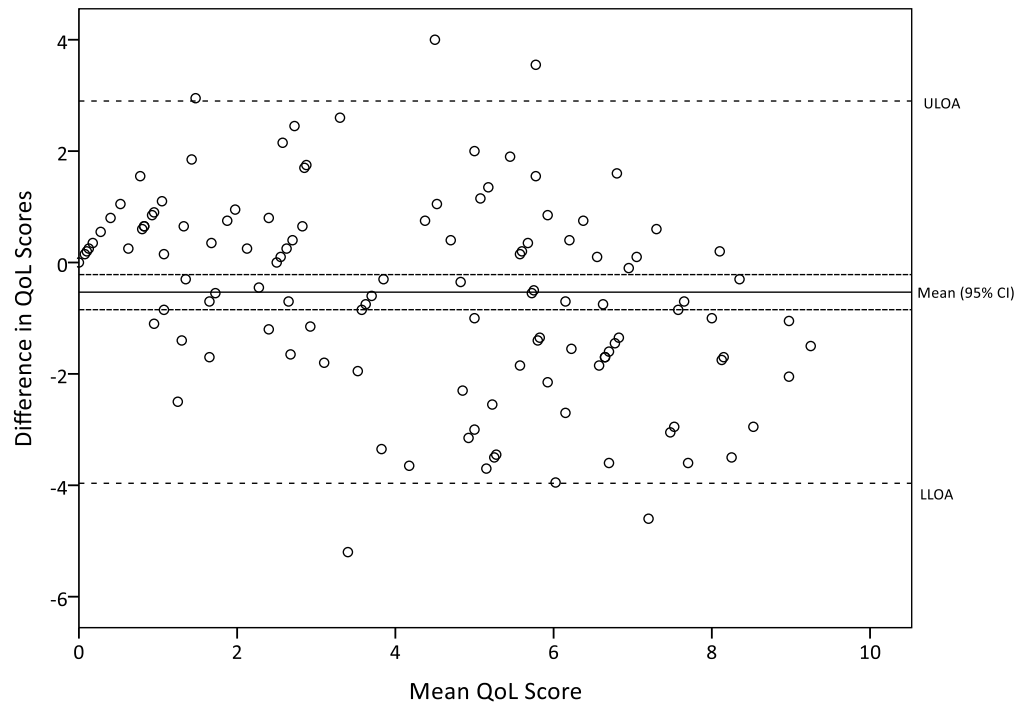
Supplementary Figure 11. Bland-Altman plot of differences in function scores



Supplementary Figure 12. Bland-Altman plot of percentage difference in function scores



Supplementary Figure 13. Bland-Altman plot of difference in QoL scores



Supplementary Figure 14. Bland-Altman plot of percentage difference in QoL scores

