<u>Supplementary Online Materials</u>

Supplementary Table S1: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Ankylosing Spondylitis

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	1.73	0.46	0.093	0.56
2	Personal care	12	-0.49	0.70	0.01	0.98
3	Dressing	11	1.31	0.95	0.15	0.16
4	Bathing/showering	11	-1.02	0.18	0.01	0.95
5	Cooking	14	-0.76	0.36	0.09	0.62
6	Moving Indoors	12	-1.23	0.42	0.96	0.16
7	Cleaning the House	9	-2.40	0.19	0.76	0.00002
8	Laundry/Clothes care	9	-1.18	0.47	0.13	0.56
9	Moving & transfers	6	1.09	0.65	0.01	0.31
10	Communication	6	0.19	0.71	0.09	0.58
11	Moving Outdoors & Shopping	13	-0.49	0.57	0.75	0.28
12	Gardening & Household Maintenance	7	-0.73	0.44	0.54	0.28

Chi-square p>=0.01
Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357

Individual item fit was acceptable across all domains in terms of Chi-square probability and Fit Residual values. There was Gender DIF for 'Cleaning the House', as women had higher scores (more limitations).

Supplementary Table S2: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Osteoarthritis

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	4.41	0.00007	0.41	0.18
2	Personal care	12	-0.88	0.65	0.49	0.70
3	Dressing	11	-2.01	0.19	0.57	0.13
4	Bathing/showering	11	-1.31	0.37	0.02	0.46
5	Cooking	14	0.04	0.75	0.09	0.05
6	Moving Indoors	12	0.61	0.64	0.32	0.09
7	Cleaning the House	9	-2.38	0.15	0.91	0.02
8	Laundry/Clothes care	9	-2.50	0.21	0.25	0.12
9	Moving & transfers	6	1.18	0.85	0.18	0.00013
10	Communication	6	-0.62	0.47	0.71	0.63
11	Moving Outdoors & Shopping	13	-1.33	0.55	0.21	0.58
12	Gardening & Household Maintenance	7	0.15	0.82	0.40	0.13

Chi-square p>=0.01
Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357

Individual item fit was acceptable across most domains in terms of Chi-square probability and Fit Residual values. However, the 'Eating/drinking' and 'Laundry/clothes care' domains were borderline mis-fitting, probably due to response dependency. There was potential Gender DIF for 'Moving and Transfers' as men had higher scores (more limitations).

Supplementary Table S3: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Systemic Lupus Erythematosus

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	1.83	0.48	0.59	0.59
2	Personal care	12	-0.62	0.58	0.66	0.66
3	Dressing	11	-0.53	0.66	0.64	0.64
4	Bathing/showering	11	-1.86	0.5	0.67	0.67
5	Cooking	14	0.12	0.70	0.69	0.69
6	Moving Indoors	12	-1.66	0.77	0.16	0.16
7	Cleaning the House	9	-0.48	0.74	0.99	0.99
8	Laundry/Clothes care	9	-1.05	0.31	0.41	0.41
9	Moving & transfers	6	0.66	0.89	0.21	0.21
10	Communication	6	1.24	0.54	0.02	0.02
11	Moving Outdoors &shopping	13	-0.27	0.80	0.50	0.50
12	Gardening & Household Maintenance	7	0.98	0.28	0.20	0.20

Chi-square p>=0.01

Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357

Individual item fit was acceptable across all domains in terms of Chi-square probability and Fit Residual values. There were no Age or Gender DIFs for any domains.

Supplementary Table S4: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Systemic Sclerosis

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	2.24	0.009	0.8	0.04
2	Personal care	12	0.13	0.71	0.53	0.13
3	Dressing	11	0.55	0.57	0.92	0.16
4	Bathing/showering	11	-0.76	0.17	0.20	0.0016
5	Cooking	14	-1.66	0.40	0.52	0.65
6	Moving Indoors	12	-0.83	0.14	0.34	0.97
7	Cleaning the House	9	-2.84	0.14	0.58	0.05
8	Laundry/Clothes care	9	-0.83	0.34	0.50	0.28
9	Moving & transfers	6	0.98	0.02	0.20	0.65
10	Communication	6	-0.73	0.55	0.47	0.54
11	Moving Outdoors &shopping	13	-0.57	0.41	0.30	0.99
12	Gardening & Household Maintenance	7	0.99	0.12	0.14	0.14

Chi-square p>=0.01
Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357
Individual item fit was acceptable across most domains in terms of Chi-square probability and Fit Residual values. However, the 'Eating/drinking' domain and "Cleaning the house' appeared to be mis-fitting, probably due to response dependency. There was Gender DIF for 'Bathing/Showering' as men had higher scores (more limitations).

Supplementary Table S5: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Chronic Pain

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	1.97	0.26	0.67	0.09
2	Personal care	12	0.08	0.10	0.89	0.53
3	Dressing	11	0.42	0.95	0.54	0.002
4	Bathing/showering	11	-1.56	0.29	0.19	0.51
5	Cooking	14	0.84	0.88	0.03	0.25
6	Moving Indoors	12	-1.37	0.54	0.41	0.94
7	Cleaning the House	9	-0.38	0.89	0.49	0.02
8	Laundry/Clothes care	9	-2.21	0.07	0.20	0.75
9	Moving & transfers	6	0.06	0.43	0.21	0.55
10	Communication	6	1.35	0.07	0.05	0.99
11	Moving Outdoors &shopping	13	0.50	0.40	0.01	0.74
12	Gardening & Household Maintenance	7	1.74	0.48	0.37	0.24

Chi-square p>=0.01

Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357

Individual item fit was acceptable across all domains in terms of Chi-square probability and Fit Residual values. There was potential Gender DIF for 'Getting dressed/undressed' as men had higher score (more limitations).

Supplementary Table S6: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Chronic Upper Limb Disorders

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	1.59	0.55	0.23	0.26
2	Personal care	12	0.45	0.13	0.56	0.40
3	Dressing	11	-0.93	0.77	0.75	0.95
4	Bathing/showering	11	-2.37	0.30	0.39	0.56
5	Cooking	14	-1.94	0.23	0.15	0.01
6	Moving Indoors	12	0.84	0.75	0.01	0.54
7	Cleaning the House	9	-3.12	0.04	0.31	0.21
8	Laundry/Clothes care	9	-1.61	0.44	0.01	0.96
9	Moving & transfers	6	2.25	0.03	0.70	0.34
10	Communication	6	3.39	0.005	0.21	0.10
11	Moving Outdoors &shopping	13	-1.11	0.63	0.54	0.25
12	Gardening & Household Maintenance	7	-0.73	0.51	0.85	0.66

Chi-square p>=0.01
Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357

Individual item fit was acceptable for most domains in terms of Chi-square probability and Fit Residual values. However, the 'Communication' and 'Cleaning the House' domains may be problematic, probably due to response dependency.

Supplementary Table S7: Rasch analysis results for Evaluation of Daily Activity Questionnaire Part 2 Domains within Primary Sjogren's Syndrome

Domain	Domain name	Number of items within domain	Fit Residual	Chi-square p	Age DIF	Gender DIF
1	Eating/drinking	10	1.38	0.15	0.63	0.05
2	Personal care	12	-0.60	0.46	0.27	0.61
3	Dressing	11	0.02	0.54	0.98	0.00004
4	Bathing/showering	11	-1.23	0.46	0.04	0.16
5	Cooking	14	-1.35	0.12	0.21	0.16
6	Moving Indoors	12	-0.70	0.60	0.85	0.80
7	Cleaning the House	9	0.52	0.81	0.33	0.40
8	Laundry/Clothes care	9	-0.64	0.1	0.99	0.51
9	Moving & transfers	6	0.96	0.11	0.28	0.95
10	Communication	6	-0.51	0.17	0.33	0.83
11	Moving Outdoors &shopping	13	-1.04	0.69	0.99	0.99
12	Gardening & Household Maintenance	7	1.31	0.60	0.52	0.55

Chi-square p>=0.01

Key: DIF = Differential Item Functioning at Bonferroni adjusted level = 0.00357

Individual item fit was acceptable in all domains in terms of Chi-square probability and Fit Residual values. There is potential Gender DIF for 'Getting dressed/undressed' as men had higher scores (more limitations).

Supplementary Table 8: Psychometric testing of EDAQ Part 1 (10 numeric rating scales) for each musculoskeletal condition (n=1200).

Evaluation of Daily Activity Questionnaire Part 1 scale (score range 0-10)	Test 1 Median (Inter-Quartile Range)	Test 2 Median (Inter-Quartile Range)	Test–retest reliability (Linear Weighted kappa)	Concurrent Validity (Correlations with SF36v2 (r_s))
1: Disease/condition activity				
AS	4 (3-6)	4 (3-7)	0.56	
OA	6 (4-8)	5 (3-7)	0.56	
SLE	5 (3-7)	5 (3-7)	0.59	
SS	5 (3-7)	5 (3-7)	0.55	
CP	7 (5-8)	7 (5-8)	0.48	
CULD	5 (3-8)	5 (3-7)	0.35	
PSS	5 (2-7)	5 (3-7)	0.51	
2: Mood				
AS	3 (2-5)	4 (3-6)	0.40	-0.68 [a]*
OA	4 (2-5)	3 (2-5)	0.50	-0.53 [a]*
SLE	4 (2-6)	4 (3-5)	0.46	-0.70 [a]*
SS	3 (2-5)	4 (2-5)	0.55	-0.73 [a]*
CP	5 (3-6)	5 (3-6)	0.38	-0.68 [a]*

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CULD	4 (2-5)	4 (2-5)	0.50	-0.59 [a]*
PSS	4 (2-5)	4 (3-5)	0.44	-0.71 [a]*
3: Pain when resting				
AS	3 (1.25-1.75)	3 (2-5.75)	0.54	-0.67[b]*
OA	4 (2-7)	4 (2-6)	0.55	-0.62[b]*
SLE	4 (2-6)	3 (1-5)	0.60	-0.72[b]*
SS	3 (1-5)	3 (1-5)	0.54	-0.72[b]*
CP	5 (4-7)	6 (3-7)	0.60	-0.54[b]*
CULD	4 (2-6)	3 (1-5)	0.42	-0.58[b]*
PSS	3 (1-6)	3 (1-6)	0.60	-0.81[b]*
4: Pain when moving				
AS	4 (3-6)	4 (2.25-6)	0.54	-0.74[b]*
OA	6 (4-8)	6 (3-7)	0.66	-0.68[b]*
SLE	6 (2-7)	5 (2-7)	0.65	-0.79[b]*
SS	5 (2-7)	4 (2-7)	0.60	-0.73[b]*
CP	7 (5.5-8)	7 (5-8)	0.59	-0.67[b]*
CULD	6 (3-7)	5 (2-7)	0.58	-0.61[b]*
PSS	4 (1-7)	4 (1.25-6)	0.60	-0.84[b]*
5: Stiffness				

AS	6 (3-7)	5 (3-7)	0.60	
OA	7 (4-8)	6 (3-8)	0.54	
SLE	5 (2-7)	5 (2-7)	0.58	
SS	5 (3-7)	5 (3-7)	0.55	
CP	7 (5-8)	7 (5-8)	0.55	
CULD	6 (2-8)	4 (2-7)	0.53	
PSS	4 (2-7)	4 (2-6)	0.58	
6: Joint movement limitations				
AS	5 (3-7)	5 (3-7)	0.57	
OA	6 (3-8)	6 (3.25-7)	0.51	
SLE	4 (2-6)	4 (2-6)	0.59	
SS	5 (3-7)	5 (3-7)	0.56	
CP	6 (3-7)	6 (4-7)	0.54	
CULD	5 (2-8)	5 (2-7)	0.61	
PSS	3 (1-6)	3 (1-6)	0.53	
7: Fatigue				
AS	6 (4-7)	6 (3.25-7)	0.52	-0.55[c]*
OA	5 (2-7)	5 (2-7)	0.63	-0.68[c]*

SLE	7 (5-8)	6 (4-8)	0.61	-0.55[c]*
SS	7 (4-8)	6 (4-8)	0.60	-0.64[c]*
CP	7 (5-9)	7 (5-9)	0.56	-0.62[c]*
CULD	4 (1-7)	4 (1-7)	0.65	-0.60[c]*
PSS	7 (5-8)	7 (4-8)	0.63	-0.65[c]*
8: Worry				
AS	4 (2-6)	4 (2-6)	0.50	-0.60 [a]*
OA	4 (2-7)	4 (2-6)	0.59	-0.56 [a]*
SLE	5 (2-7)	4 (2-6)	0.45	-0.64 [a]*
SS	4 (2-6)	4 (2-6)	0.60	-0.68 [a]*
CP	6 (3-8)	6 (3-7)	0.47	-0.65 [a]*
CULD	4 (2-7)	4 (2-6)	0.58	-0.57 [a]*
PSS	4 (2-6)	4 (2-6)	0.53	-0.60 [a]*
9: Sleep				
AS	5 (2-8)	5 (2-7)	0.65	
OA	6 (3-8)	5 (2-8)	0.61	
SLE	5 (3-8)	5 (2-7.5)	0.62	
SS	5 (2-7)	4.5 (2-7)	0.62	
CP	7 (59)	7 (3.759)	0.64	

CULD	6 (3-8)	3.50 (1-7)	0.53
PSS	5 (2-7)	5 (2-8)	0.59
10: Satisfaction with life			
AS	5 (2-7)	4 (2-6)	0.50
OA	5 (2-7)	5 (2-6)	0.63
SLE	5 (3-7)	5 (2-6)	0.47
SS	5 (2-6)	5 (2-6)	0.44
CP	6 (48)	6 (4-7)	0.47
CULD	5 (2-7)	5 (2-6)	0.33
PSS	5 (2-6)	5 (2-7)	0.46

Key : * p =< 0.001; r_s = Spearman's correlation coefficient; a = Short Form SF36v2 Mental Health scale; b = Short Form 36v2 Pain scale; c = Short Form 36 v2 Vitality scale. Note: not all scales had applicable comparator measures. Key: AS = Ankylosing spondylitis; OA = osteoarthritis; SLE= systemic lupus erythematosus; SS = systemic sclerosis; CP = chronic pain conditions; CULD = chronic hand/upper limb disorders; PSS = Primary Sjögren's syndrome.

Supplementary Table S9: Concurrent validity (compared with fatigue, quality of life, and perceived health), standard error of measurement and minimal detectable difference (Rasch transformed scores) of the Evaluation of Daily Activity Questionnaire Part 2 domains for each musculoskeletal condition (n=1200):

Evaluation of Daily Activity Questionnaire domain (score range)	SF36v2: Vitality (r_s)	Quality of Life Scale (r_s)	Perceived Health (r_s)	Standard Error of Measurement	Minimal Detectable Change $_{95}$
1: Eating & Drinking (0-33)					
AS	-0.33*	-0.28*	0.45*	0.97	2.68
OA	-0.17#	-0.09^{ns}	0.42*	1.30	3.60
SLE	-0.42*	-0.34*	0.57*	1.37	3.78
SS	-0.27*	-0.28*	0.44*	1.93	5.35
CP	-0.34*	-0.40*	0.52*	1.23	3.42
CULD	-0.37*	-0.31*	0.58*	2.45	6.79
PSS	-0.43*	-0.35*	0.51*	1.14	3.17
2: Personal Care (0-36)					
AS	-0.37*	-0.42*	0.62*	1.04	2.87
OA	-0.28*	-0.28+	0.48*	3.06	8.48

SLE	-0.42*	-0.43*	0.59*	0.95	2.64
SS	-0.26*	-0.29*	0.42*	3.26	9.02
CP	-0.27*	-0.42*	0.58*	0.86	2.38
CULD	-0.41*	-0.42*	0.55*	2.07	5.74
PSS	-0.33*	-0.22+	0.48*	0.76	2.12
3: Dressing (0-33)					
AS	-0.46*	-0.39*	0.59*	1.72	4.77
OA	-0.35*	-0.36*	0.55*	2.46	6.81
SLE	-0.39*	-0.39*	0.60*	1.89	5.26
SS	-0.36*	-0.33*	0.47*	1.11	3.08
CP	-0.32*	-0.44*	0.59*	1.25	3.47
CULD	-0.36*	-0.36*	0.52*	2.07	5.73
PSS	-0.41*	-0.37*	0.61*	1.93	5.34
4: Bathing & Showering (0-33)					
AS	-0.39*	-0.30*	0.59*	1.80	4.98
OA	-0.47*	-0.39*	0.58*	1.68	4.66
SLE	-0.43*	-0.44*	0.65*	1.33	3.67
SS	-0.40*	-0.41*	0.53*	1.15	3.19

CP	-0.39*	-0.48*	0.65*	2.02	5.61
CULD	-0.48*	-0.41*	0.58*	2.66	7.37
PSS	-0.42*	-0.30*	0.61*	0.57	1.58
5: Cooking (0-42)					
AS	-0.43*	-0.34*	0.58*	2.54	7.04
OA	-0.35*	-0.33*	0.59*	1.69	2.77
SLE	-0.47*	-0.42*	0.66*	0.92	2.54
SS	-0.39*	-0.45*	0.58*	1.72	4.78
CP	-0.42*	-0.47*	0.70*	1.82	5.04
CULD	-0.52*	-0.42*	0.60*	2.16	6.00
PSS	-0.45*	-0.37*	0.62*	1.44	3.99
6: Moving Indoors (0-36)					
AS	-0.45*	-0.40*	0.59*	1.32	3.67
OA	-0.58*	-0.56*	0.62*	1.24	3.44
SLE	-0.53*	-0.53*	0.72*	0.97	2.69
SS	-0.52*	-0.49*	0.63*	1.83	5.07
CP	-0.38*	-0.45*	0.67*	1.87	5.12
CULD	-0.54*	-0.41*	0.53*	1.87	5.17

PSS	-0.49*	-0.42*	0.69*	0.89	2.48
7: Cleaning the House (0-27)					
AS	-0.45*	-0.36*	0.61*	1.90	1.54
OA	-0.37*	-0.36*	0.60*	1.40	3.89
SLE	-0.49*	-0.52*	0.67*	0.76	2.12
SS	-0.49*	-0.42*	0.58*	1.79	4.97
CP	-0.42*	-0.47*	0.66*	1.53	4.23
CULD	-0.59*	-0.51*	0.60*	1.16	3.22
PSS	-0.51*	-0.44*	0.65*	0.65	1.79
8: Laundry & Clothes Care (0-27)					
AS	-0.43*	-0.45*	0.60*	2.84	7.86
OA	-0.32*	-0.29+	0.52*	1.50	4.15
SLE	-0.46*	-0.46*	0.66*	2.02	5.59
SS	-0.46*	-0.43*	0.52*	1.21	3.36
CP	-0.38*	-0.48*	0.69*	1.03	2.84
CULD	-0.45*	-0.44*	0.52*	2.05	5.67
PSS	-0.49*	-0.33*	0.66*	1.00	2.78

9: Moving & Transfers (0-18)					
AS	-0.52*	-0.40*	0.65*	1.21	3.35
OA	-0.52*	-0.48*	0.50*	1.70	4.71
SLE	-0.59*	-0.48*	0.72*	1.27	3.51
SS	-0.53*	-0.46*	0.57*	0.99	2.77
CP	-0.34*	-0.44*	0.59*	1.07	2.97
CULD	-0.52*	-0.45*	0.57*	1.39	3.86
PSS	-0.43*	-0.37*	0.65*	0.70	1.95
10: Communication (0-18)					
AS	-0.24+	-0.26+	0.40*	0.37	1.02
OA	-0.20+	-0.17^{ns}	0.39*	0.90	2.50
SLE	-0.40*	-0.38*	0.51*	0.88	2.44
SS	-0.32*	-0.38*	0.49*	0.86	2.38
CP	-0.31*	-0.37*	0.48*	0.85	2.36
CULD	-0.38*	-0.46*	0.41*	1.26	3.49
PSS	-0.29*	-0.33*	0.48*	0.67	1.86

11: Moving Outdoors & Shopping (0-39)				
AS	-0.49*	-0.44*	0.66*	0.47	1.32
OA	-0.50*	-0.53*	0.63*	1.30	3.59
SLE	-0.53*	-0.52*	0.73*	1.04	2.88
SS	-0.55*	-0.50*	0.67*	0.27	0.74
CP	-0.44*	-0.47*	0.68*	1.56	4.32
CULD	-0.58*	-0.53*	0.61*	3.83	10.61
PSS	-0.52*	-0.40*	0.69*	2.50	6.94
12: Gardening & House Maintenance (0-21)				
AS	-0.42*	-0.25+	0.53*	1.36	3.77
OA	-0.35*	-0.34*	0.51*	2.39	6.48
SLE	-0.46*	-0.46*	0.60*	4.53	12.55
SS	-0.49*	-0.39*	0.54*	2.76	7.69
CP	-0.28*	-0.26*	0.50*	1.73	4.80
CULD	-0.52*	-0.43*	0.56*	2.14	5.94
PSS	-0.42*	-0.33*	0.49*	3.32	9.22

Key : * p =< 0.001; += p < 0.01; # = p < 0.05; ns = not significant. Negative correlations occur with SF36v2 scores as higher scores represent better function in the SF36v2; AS = Ankylosing spondylitis; OA = osteoarthritis; SLE= systemic lupus erythematosus; SS = systemic sclerosis; CP = chronic pain conditions; CULD = chronic hand/upper limb disorders; PSS = Primary Sjögren's syndrome.

Supplementary Table S10. Domain-item linkage structure of the EDAQ Self-Care component following cross-conditional DIF splitting

Domain Number	Domain Name	AS	CP	CULD	OA	SLE	SS	PSS	RA
1	Eating & drinking	�							
			▓						
				▓	▓	▓	▓	▓	▓
2	Bathroom & Personal Care	▓	▓	▓	▓	▓	▓	▓	▓
3	Dressing	▓							
						▓			
			▓	▓			▓	▓	▓
5	Cooking						▓		
			▓			▓			
		▓		▓				▓	▓
7	Cleaning the House						▓		
			▓			▓			
				▓				▓	
8	Laundry & Clothes Care								
		▓	▓	▓	▓		▓	▓	▓
10	Communication			▓					
		▓	▓		▓	▓	▓	▓	▓

Key: ▓ =calibration

Key : AS = Ankylosing spondylitis; OA = osteoarthritis; SLE= systemic lupus erythematosus; SS = systemic sclerosis; CP = chronic pain conditions; CULD = chronic hand/upper limb disorders; PSS = Primary Sjögren's syndrome.

Interpretation: Where shading is present in the table, this represents which domains are split and treated as condition-specific, and which ones remain equivalent. For example, with the 'Cooking' domain, it was necessary for this to be purely condition-specific for SS, condition-equivalent among CP & SLE (but not with the rest of the conditions), and it then remained equivalent across the remaining conditions (AS, CULD, OA, PSS, RA).

Supplementary Table S11 Domain-item linkage structure of the EDAQ Mobility component following cross-conditional DIF splitting

Domain Number	Domain Name	Condition							
		AS	CP	CULD	OA	SLE	SS	PSS	RA
4	**Bathing & Showering**			▨					▨
		▨	▨		▨	▨	▨	▨	
6	**Moving Indoors**			▨					
		▨							
			▨		▨	▨	▨	▨	▨
9	**Transfers**			▨		▨		▨	
			▨						
		▨							
							▨		
11	**Moving Outdoors**	▨	▨	▨	▨	▨	▨	▨	▨
12	**Gardening/House Maintenance**			▨					
		▨	▨		▨	▨	▨	▨	▨

Key: ▨ =calibration

Key : AS = Ankylosing spondylitis; OA = osteoarthritis; SLE= systemic lupus erythematosus; SS = systemic sclerosis; CP = chronic pain conditions; CULD = chronic hand/upper limb disorders; PSS = Primary Sjögren's syndrome.

Interpretation: Where shading is present in the table, this represents which domains are split and treated as condition-specific, and which ones remain equivalent. For example, with the 'Bathing & Showering' domain, this was condition-equivalent among CULD & RA (but not with the rest of the conditions), and it then remained equivalent across the remaining conditions (AS, CP, OA, SLE, SS & PSS).

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Supplementary document 1: NHS and patient organisation staff supporting the study.

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