RMD Open
Rheumatic & Musculoskeletal Disease

Supplemental Table 2

Receiver operating characteristic analyses: similar patterns observed using other anchors, such as ACR50, MDA, and PsARC

Prediction Accuracy of Anchor Using Change in Fatigue NRS at week 24 (LOCF)

Intent-to-Treat Population

I1F-MC-RHAP Double-Blind Treatment Period

Anchor	Change in Fatigue NRS	Sensitivity	Specificity	Positive Prediction	Negative Prediction	Youden Index	Phi Correlation
ACR20	-8	0.009	0.995	0.667	0.464	0.004	0.022
	-7	0.042	0.995	0.900	0.472	0.036	0.116
	-6	0.111	0.995	0.960	0.491	0.106	0.218
	-5	0.213	0.973	0.902	0.516	0.186	0.279
	-4	0.310	0.914	0.807	0.533	0.224	0.276
	-3	0.454	0.828	0.754	0.566	0.282	0.300
	-2	0.653	0.634	0.675	0.611	0.287	0.287
	-1	0.806	0.478	0.642	0.679	0.284	0.302
	0	0.912	0.290	0.599	0.740	0.202	0.262
ACR50	-8	0.014	0.996	0.667	0.642	0.010	0.055

1

RMD Open
Rheumatic & Musculoskeletal Disease

Prediction Accuracy of Anchor Using Change in Fatigue NRS at week 24 (LOCF)

Intent-to-Treat Population

I1F-MC-RHAP Double-Blind Treatment Period

Anchor	Change in Fatigue NRS	Sensitivity	Specificity	Positive Prediction	Negative Prediction	Youden Index	Phi Correlation
	-7	0.055	0.992	0.800	0.651	0.047	0.146
	-6	0.145	0.984	0.840	0.671	0.129	0.257
	-5	0.262	0.949	0.745	0.695	0.211	0.305
	-4	0.379	0.891	0.663	0.718	0.270	0.321
	-3	0.531	0.794	0.592	0.750	0.325	0.333
	-2	0.738	0.603	0.512	0.803	0.341	0.328
	-1	0.876	0.440	0.469	0.863	0.316	0.323
	0	0.952	0.257	0.419	0.904	0.209	0.260
PsARC	-8	0.005	0.989	0.333	0.446	-0.007	-0.038
	-7	0.032	0.983	0.700	0.452	0.015	0.047
	-6	0.095	0.978	0.840	0.467	0.072	0.149

2

RMD Open
Rheumatic & Musculoskeletal Disease

Prediction Accuracy of Anchor Using Change in Fatigue NRS at week 24 (LOCF)

Intent-to-Treat Population

I1F-MC-RHAP Double-Blind Treatment Period

Anchor	Change in Fatigue NRS	Sensitivity	Specificity	Positive Prediction	Negative Prediction	Youden Index	Phi Correlation
	-5	0.185	0.944	0.804	0.484	0.129	0.193
	-4	0.284	0.889	0.759	0.502	0.173	0.212
	-3	0.428	0.806	0.731	0.533	0.233	0.248
	-2	0.635	0.622	0.675	0.580	0.257	0.256
	-1	0.788	0.467	0.646	0.641	0.255	0.270
	0	0.896	0.278	0.605	0.685	0.174	0.225
MDA-PASI	-8	0.017	0.996	0.667	0.707	0.013	0.070
	-7	0.059	0.989	0.700	0.714	0.048	0.141
	-6	0.134	0.968	0.640	0.727	0.103	0.194
	-5	0.252	0.926	0.588	0.746	0.178	0.244
	-4	0.361	0.859	0.518	0.762	0.220	0.248

3

RMD Open
Rheumatic & Musculoskeletal Disease

Prediction Accuracy of Anchor Using Change in Fatigue NRS at week 24 (LOCF)

Intent-to-Treat Population

I1F-MC-RHAP Double-Blind Treatment Period

Anchor	Change in Fatigue NRS	Sensitivity	Specificity	Positive Prediction	Negative Prediction	Youden Index	Phi Correlation
	-3	0.496	0.749	0.454	0.779	0.245	0.239
	-2	0.697	0.555	0.397	0.813	0.252	0.230
	-1	0.866	0.406	0.380	0.878	0.272	0.265
	0	0.941	0.233	0.340	0.904	0.174	0.207
HAQ-DI MCID[a]	-8	0.012	0.995	0.667	0.542	0.007	0.038
	-7	0.047	0.995	0.889	0.552	0.042	0.137
	-6	0.124	0.990	0.913	0.571	0.114	0.235
	-5	0.237	0.960	0.833	0.597	0.196	0.291
	-4	0.361	0.915	0.782	0.628	0.276	0.336
	-3	0.491	0.814	0.692	0.653	0.305	0.324
	-2	0.686	0.618	0.604	0.699	0.304	0.304

4

RMD Open
Rheumatic & Musculoskeletal Disease

Prediction Accuracy of Anchor Using Change in Fatigue NRS at week 24 (LOCF)

Intent-to-Treat Population

I1F-MC-RHAP Double-Blind Treatment Period

Anchor	Change in Fatigue NRS	Sensitivity	Specificity	Positive Prediction	Negative Prediction	Youden Index	Phi Correlation
	-1	0.840	0.457	0.568	0.771	0.298	0.318
	0	0.941	0.281	0.526	0.848	0.222	0.289
PGA MCID[b]	-8	0.008	0.994	0.667	0.397	0.002	0.011
	-7	0.038	0.994	0.900	0.405	0.031	0.097
	-6	0.100	0.994	0.960	0.421	0.094	0.189
	-5	0.200	0.981	0.941	0.447	0.181	0.265
	-4	0.300	0.930	0.867	0.467	0.230	0.277
	-3	0.446	0.861	0.829	0.506	0.307	0.320
	-2	0.658	0.690	0.763	0.571	0.348	0.341
	-1	0.800	0.513	0.714	0.628	0.313	0.327

5

RMD Open
Rheumatic & Musculoskeletal Disease

Prediction Accuracy of Anchor Using Change in Fatigue NRS at week 24 (LOCF)

Intent-to-Treat Population

I1F-MC-RHAP Double-Blind Treatment Period

Anchor	Change in Fatigue NRS	Sensitivity	Specificity	Positive Prediction	Negative Prediction	Youden Index	Phi Correlation
	0	0.896	0.297	0.660	0.653	0.193	0.246

[a]Evaluated among patients with HAQ-DI ≥0.35 at baseline.

[b]Evaluated among patients with PGA ≥10 at baseline.

ACR20: American College of Rheumatology 20% response rate; ACR50: American College of Rheumatology 50% response rate; HAQ-DI MCID:

Health Assessment Questionnaire-Disability Index minimum clinically important difference; LOCF: last observation carried forward; MDA-PASI:

minimal disease activity–Psoriasis Activity and Severity Index; NRS: Numeric Rating Scale; PGA: Patient Global Assessment; PsARC: Psoriatic

Arthritis Response Criteria.

6

RMD Open
Rheumatic & Musculoskeletal Disease

Supplemental Fig. 1. Fatigue Numeric Rating Scale

Please rate your fatigue (weariness, tiredness) by selecting the one
number that describes your WORST level of fatigue during the past
24 hours.

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

No Fatigue   As bad
                                              as you can imagine

7