

Supplementary Table S1. Criterion values and coordinates of the ROC curve for FIQR.

Criterion	Sensitivity	95% CI	Specificity	95% CI	+LR	95% CI	-LR	95% CI
≤4	0.49	0.2 - 1.0	99.95	99.8 - 100.0	10.42	2.2 - 49.0	1.00	1.0 - 1.0
≤7	1.10	0.7 - 1.7	99.88	99.7 - 100.0	9.37	3.5 - 25.2	0.99	1.0 - 1.0
≤10	2.86	2.1 - 3.8	99.84	99.7 - 99.9	17.48	7.9 - 38.6	0.97	1.0 - 1.0
≤11	4.45	3.5 - 5.6	99.79	99.6 - 99.9	21.12	10.6 - 42.1	0.96	0.9 - 1.0
≤13	6.76	5.6 - 8.1	99.77	99.6 - 99.9	28.90	15.2 - 55.1	0.93	0.9 - 0.9
≤15	9.57	8.2 - 11.1	99.63	99.4 - 99.8	25.55	15.3 - 42.6	0.91	0.9 - 0.9
≤17	12.31	10.8 - 14.0	99.39	99.1 - 99.6	20.23	13.5 - 30.3	0.88	0.9 - 0.9
≤19	14.99	13.3 - 16.8	99.25	98.9 - 99.5	20.02	13.9 - 28.8	0.86	0.8 - 0.9
≤20	16.21	14.5 - 18.1	99.11	98.8 - 99.4	18.23	13.0 - 25.5	0.85	0.8 - 0.9
≤22	18.40	16.6 - 20.4	98.74	98.4 - 99.0	14.56	11.0 - 19.3	0.83	0.8 - 0.8
≤24	22.73	20.7 - 24.8	98.48	98.1 - 98.8	14.94	11.6 - 19.3	0.78	0.8 - 0.8
≤26	25.05	23.0 - 27.2	98.17	97.7 - 98.6	13.72	10.8 - 17.4	0.76	0.7 - 0.8
≤27	27.06	24.9 - 29.3	97.99	97.5 - 98.4	13.44	10.7 - 16.8	0.74	0.7 - 0.8
≤29	30.10	27.9 - 32.4	97.33	96.8 - 97.8	11.28	9.3 - 13.7	0.72	0.7 - 0.7
≤32	33.70	31.4 - 36.0	96.68	96.1 - 97.2	10.14	8.5 - 12.1	0.69	0.7 - 0.7
≤34	36.38	34.0 - 38.8	96.04	95.4 - 96.6	9.20	7.8 - 10.8	0.66	0.6 - 0.7
≤35	38.51	36.2 - 40.9	95.58	94.9 - 96.2	8.71	7.5 - 10.1	0.64	0.6 - 0.7
≤36	40.65	38.3 - 43.1	95.18	94.5 - 95.8	8.43	7.3 - 9.8	0.62	0.6 - 0.6
≤37	42.60	40.2 - 45.0	94.85	94.1 - 95.5	8.27	7.2 - 9.5	0.61	0.6 - 0.6
≤38	44.12	41.7 - 46.6	94.43	93.7 - 95.1	7.92	6.9 - 9.1	0.59	0.6 - 0.6
≤40	46.68	44.2 - 49.1	93.49	92.7 - 94.2	7.17	6.3 - 8.1	0.57	0.5 - 0.6
≤42	49.79	47.3 - 52.2	92.25	91.4 - 93.0	6.43	5.7 - 7.2	0.54	0.5 - 0.6
≤44	53.50	51.1 - 55.9	90.90	90.0 - 91.7	5.88	5.3 - 6.5	0.51	0.5 - 0.5
≤45	55.70	53.3 - 58.1	90.29	89.4 - 91.2	5.73	5.2 - 6.3	0.49	0.5 - 0.5
≤47	58.62	56.2 - 61.0	88.58	87.6 - 89.5	5.13	4.7 - 5.6	0.47	0.4 - 0.5
≤49	61.67	59.3 - 64.0	86.92	85.9 - 87.9	4.71	4.3 - 5.1	0.44	0.4 - 0.5
≤50	63.38	61.0 - 65.7	85.98	84.9 - 87.0	4.52	4.2 - 4.9	0.43	0.4 - 0.5
≤52	65.33	63.0 - 67.6	83.57	82.4 - 84.7	3.98	3.7 - 4.3	0.41	0.4 - 0.4
≤54	68.49	66.2 - 70.7	80.81	79.6 - 82.0	3.57	3.3 - 3.8	0.39	0.4 - 0.4
≤56	71.18	68.9 - 73.4	77.93	76.7 - 79.2	3.23	3.0 - 3.4	0.37	0.3 - 0.4
≤58*	74.83	72.7 - 76.9	75.05	73.7 - 76.3	3.00	2.8 - 3.2	0.34	0.3 - 0.4
≤59	76.17	74.0 - 78.2	73.60	72.3 - 74.9	2.89	2.7 - 3.1	0.32	0.3 - 0.4
≤60	77.27	75.2 - 79.3	71.94	70.6 - 73.3	2.75	2.6 - 2.9	0.32	0.3 - 0.3
≤61	78.67	76.6 - 80.6	70.09	68.7 - 71.5	2.63	2.5 - 2.8	0.30	0.3 - 0.3
≤62	79.83	77.8 - 81.7	68.15	66.7 - 69.5	2.51	2.4 - 2.6	0.30	0.3 - 0.3
≤63	80.93	78.9 - 82.8	66.56	65.1 - 68.0	2.42	2.3 - 2.5	0.29	0.3 - 0.3
≤64	81.96	80.0 - 83.8	64.64	63.2 - 66.1	2.32	2.2 - 2.4	0.28	0.3 - 0.3
≤65	82.94	81.0 - 84.7	62.49	61.0 - 63.9	2.21	2.1 - 2.3	0.27	0.2 - 0.3
≤66	84.10	82.2 - 85.8	60.31	58.8 - 61.8	2.12	2.0 - 2.2	0.26	0.2 - 0.3
≤67	85.62	83.8 - 87.3	58.27	56.8 - 59.8	2.05	2.0 - 2.1	0.25	0.2 - 0.3
≤68	86.41	84.7 - 88.0	55.91	54.4 - 57.4	1.96	1.9 - 2.0	0.24	0.2 - 0.3
≤69	87.63	85.9 - 89.2	53.64	52.1 - 55.1	1.89	1.8 - 2.0	0.23	0.2 - 0.3
≤70	88.48	86.8 - 90.0	51.09	49.6 - 52.6	1.81	1.7 - 1.9	0.23	0.2 - 0.3
≤71	89.09	87.5 - 90.6	49.31	47.8 - 50.8	1.76	1.7 - 1.8	0.22	0.2 - 0.3
≤73	90.25	88.7 - 91.6	44.72	43.2 - 46.2	1.63	1.6 - 1.7	0.22	0.2 - 0.3
≤75	91.77	90.3 - 93.1	39.71	38.2 - 41.2	1.52	1.5 - 1.6	0.21	0.2 - 0.2
≤76	92.63	91.3 - 93.8	37.75	36.3 - 39.2	1.49	1.4 - 1.5	0.20	0.2 - 0.2
≤77	93.48	92.2 - 94.6	35.13	33.7 - 36.6	1.44	1.4 - 1.5	0.19	0.2 - 0.2
≤80	94.58	93.4 - 95.6	27.52	26.2 - 28.9	1.30	1.3 - 1.3	0.20	0.2 - 0.2
≤82	95.43	94.3 - 96.4	23.64	22.4 - 24.9	1.25	1.2 - 1.3	0.19	0.2 - 0.2
≤84	96.04	95.0 - 96.9	19.33	18.2 - 20.5	1.19	1.2 - 1.2	0.20	0.2 - 0.3
≤87	97.26	96.3 - 98.0	13.74	12.7 - 14.8	1.13	1.1 - 1.1	0.20	0.1 - 0.3

ROC: receiver operating characteristic; FIQR: revised Fibromyalgia Impact Questionnaire; CI: confidence interval; LR: likelihood ratio.

*optimal cut-off point (Youden index).

Supplementary Table S2. Criterion values and coordinates of the ROC curve for FASmod.

Criterion	Sensitivity	95% CI	Specificity	95% CI	+LR	95% CI	-LR	95% CI
≤2	0.24	0.07 - 0.6	99.98	99.9 - 100.0	10.41	1.2 - 93.1	1.00	1.0 - 1.0
≤3	1.22	0.7 - 1.9	99.95	99.8 - 100.0	26.03	6.1 - 111.3	0.99	1.0 - 1.0
≤5	2.93	2.2 - 3.9	99.84	99.7 - 99.9	17.85	8.1 - 39.4	0.97	1.0 - 1.0
≤6	5.73	4.7 - 7.0	99.79	99.6 - 99.9	27.19	13.8 - 53.8	0.94	0.9 - 1.0
≤7	7.13	5.9 - 8.5	99.72	99.5 - 99.9	25.38	14.1 - 45.9	0.93	0.9 - 0.9
≤8	9.63	8.2 - 11.2	99.58	99.3 - 99.8	22.85	14.1 - 37.1	0.91	0.9 - 0.9
≤9	12.07	10.5 - 13.7	99.37	99.1 - 99.6	19.09	12.8 - 28.4	0.88	0.9 - 0.9
≤10	15.48	13.8 - 17.3	99.16	98.8 - 99.4	18.37	13.0 - 25.9	0.85	0.8 - 0.9
≤11	18.34	16.5 - 20.3	99.06	98.7 - 99.3	19.59	14.2 - 27.1	0.82	0.8 - 0.8
≤12	22.06	20.1 - 24.1	98.81	98.4 - 99.1	18.48	13.9 - 24.6	0.79	0.8 - 0.8
≤14	28.21	26.0 - 30.5	97.92	97.4 - 98.3	13.54	10.9 - 16.9	0.73	0.7 - 0.8
≤15	31.32	29.1 - 33.6	97.43	96.9 - 97.9	12.16	10.0 - 14.8	0.70	0.7 - 0.7
≤16	35.41	33.1 - 37.8	96.54	95.9 - 97.1	10.22	8.6 - 12.1	0.67	0.6 - 0.7
≤17	39.37	37.0 - 41.8	95.37	94.7 - 96.0	8.49	7.3 - 9.9	0.64	0.6 - 0.7
≤18	43.14	40.7 - 45.6	93.96	93.2 - 94.7	7.14	6.3 - 8.1	0.61	0.6 - 0.6
≤19	48.75	46.3 - 51.2	92.09	91.2 - 92.9	6.16	5.5 - 6.9	0.56	0.5 - 0.6
≤20	52.83	50.4 - 55.3	90.12	89.2 - 91.0	5.35	4.8 - 5.9	0.52	0.5 - 0.6
≤22	62.40	60.0 - 64.8	84.57	83.5 - 85.6	4.05	3.7 - 4.4	0.44	0.4 - 0.5
≤23*	66.73	64.4 - 69.0	81.13	79.9 - 82.3	3.54	3.3 - 3.8	0.41	0.4 - 0.4
≤24	71.12	68.9 - 73.3	76.43	75.1 - 77.7	3.02	2.8 - 3.2	0.38	0.3 - 0.4
≤25	74.47	72.3 - 76.6	72.21	70.8 - 73.6	2.68	2.5 - 2.8	0.35	0.3 - 0.4
≤26	77.57	75.5 - 79.6	67.18	65.8 - 68.6	2.36	2.2 - 2.5	0.33	0.3 - 0.4
≤27	81.17	79.2 - 83.0	61.19	59.7 - 62.7	2.09	2.0 - 2.2	0.31	0.3 - 0.3
≤28	84.77	82.9 - 86.5	54.73	53.2 - 56.2	1.87	1.8 - 1.9	0.28	0.2 - 0.3
≤29	87.51	85.8 - 89.1	49.06	47.6 - 50.6	1.72	1.7 - 1.8	0.25	0.2 - 0.3
≤30	89.52	87.9 - 91.0	43.28	41.8 - 44.8	1.58	1.5 - 1.6	0.24	0.2 - 0.3
≤31	90.86	89.4 - 92.2	36.96	35.5 - 38.4	1.44	1.4 - 1.5	0.25	0.2 - 0.3
≤32	93.24	91.9 - 94.4	31.60	30.2 - 33.0	1.36	1.3 - 1.4	0.21	0.2 - 0.3
≤33	94.27	93.0 - 95.3	26.22	24.9 - 27.6	1.28	1.3 - 1.3	0.22	0.2 - 0.3
≤34	95.43	94.3 - 96.4	20.83	19.6 - 22.1	1.21	1.2 - 1.2	0.22	0.2 - 0.3
≤35	96.53	95.5 - 97.4	15.52	14.4 - 16.6	1.14	1.1 - 1.2	0.22	0.2 - 0.3
≤36	97.68	96.8 - 98.4	11.35	10.4 - 12.3	1.10	1.1 - 1.1	0.20	0.1 - 0.3
≤37	98.23	97.5 - 98.8	6.65	5.9 - 7.4	1.05	1.0 - 1.1	0.27	0.2 - 0.4
≤38	98.90	98.3 - 99.3	4.31	3.7 - 5.0	1.03	1.0 - 1.0	0.25	0.2 - 0.4

ROC: receiver operating characteristic; FASmod: modified Fibromyalgia Assessment Status; CI: confidence interval; LR: likelihood ratio.

*optimal cut-off point (Youden index).

Supplementary Table S3. Criterion values and coordinates of the ROC curve PSD.

Criterion	Sensitivity	95% CI	Specificity	95% CI	+LR	95% CI	-LR	95% CI
≤0	0.37	0.1 - 0.8	99.58	99.3 - 99.8	0.87	0.3 - 2.2	1.00	1.0 - 1.0
≤3	2.56	1.9 - 3.4	99.44	99.2 - 99.6	4.56	2.8 - 7.5	0.98	1.0 - 1.0
≤4	4.69	3.7 - 5.8	99.41	99.1 - 99.6	8.02	5.1 - 12.5	0.96	0.9 - 1.0
≤5	7.13	5.9 - 8.5	99.18	98.9 - 99.4	8.70	6.0 - 12.6	0.94	0.9 - 0.9
≤6	12.19	10.6 - 13.9	99.02	98.7 - 99.3	12.40	8.9 - 17.2	0.89	0.9 - 0.9
≤8	21.51	19.5 - 23.6	98.41	98.0 - 98.8	13.52	10.5 - 17.4	0.80	0.8 - 0.8
≤9	27.06	24.9 - 29.3	97.73	97.2 - 98.2	11.92	9.6 - 14.7	0.75	0.7 - 0.8
≤10	30.90	28.7 - 33.2	96.96	96.4 - 97.5	10.16	8.4 - 12.2	0.71	0.7 - 0.7
≤11	34.61	32.3 - 37.0	95.72	95.1 - 96.3	8.08	6.9 - 9.5	0.68	0.7 - 0.7
≤12	39.12	36.8 - 41.5	94.13	93.4 - 94.8	6.66	5.8 - 7.6	0.65	0.6 - 0.7
≤13	44.36	41.9 - 46.8	92.18	91.3 - 93.0	5.68	5.1 - 6.4	0.60	0.6 - 0.6
≤14	48.75	46.3 - 51.2	89.23	88.3 - 90.1	4.53	4.1 - 5.0	0.57	0.5 - 0.6
≤15	53.20	50.8 - 55.6	85.96	84.9 - 87.0	3.79	3.5 - 4.1	0.54	0.5 - 0.6
≤16*	58.99	56.6 - 61.4	81.96	80.8 - 83.1	3.27	3.0 - 3.5	0.50	0.5 - 0.5
≤17	64.41	62.0 - 66.7	76.34	75.0 - 77.6	2.72	2.6 - 2.9	0.47	0.4 - 0.5
≤18	69.10	66.8 - 71.3	70.33	68.9 - 71.7	2.33	2.2 - 2.5	0.44	0.4 - 0.5
≤19	73.98	71.8 - 76.1	64.73	63.3 - 66.2	2.10	2.0 - 2.2	0.40	0.4 - 0.4
≤20	78.18	76.1 - 80.2	59.07	57.6 - 60.5	1.91	1.8 - 2.0	0.37	0.3 - 0.4
≤21	81.96	80.0 - 83.8	51.95	50.4 - 53.5	1.71	1.6 - 1.8	0.35	0.3 - 0.4
≤22	85.56	83.8 - 87.2	45.71	44.2 - 47.2	1.58	1.5 - 1.6	0.32	0.3 - 0.4
≤23	88.67	87.0 - 90.2	38.59	37.1 - 40.1	1.44	1.4 - 1.5	0.29	0.3 - 0.3
≤24	91.10	89.6 - 92.4	33.04	31.6 - 34.5	1.36	1.3 - 1.4	0.27	0.2 - 0.3

ROC: receiver operating characteristic; PSD: Polysymptomatic Distress scale; CI: confidence interval; LR: likelihood ratio.

*optimal cut-off point (Youden index).

Supplementary Table S4. Pairwise comparison of ROC curves, respectively FIQR vs. FASmod and FIQR vs. PSD.

FIQR vs. FASmod	
Difference between areas	0.0138
Standard error*	0.0055
95% confidence interval	0.00297 - 0.0245
z statistic	2.500
Significance level	p<0.0124
FIQR vs. PSD	
Difference between areas	0.0459
Standard error*	0.0064
95% confidence interval	0.0333 - 0.0585
z statistic	7.144
Significance level	p<0.0001

ROC: receiver operating characteristic; FIQR: revised Fibromyalgia Impact Questionnaire; FASmod: modified Fibromyalgia Assessment Status; PSD: Polysymptomatic Distress scale.
*Hanley & M.