

Outcome measurement in mental health: the views of service users

Appendices

Table 1. Median ratings of 24 outcome measures used in studies of mood disorder and psychosis

Domain	Measure	Version	Median Initial rating (interquartile range)	Median Final rating (interquartile range)
Depression	Beck Depression Inventory	21 item self administered	6 (2 to 9)	7 (4 to 7)
	Hamilton Depression Rating Scale	21 item clinician rated	6 (3 to 7)	5 (4 to 7)
	Patient Health Questionnaire (PHQ-9)	9 item self administered	4 (3 to 7)	5 (3 to 7)
Schizophrenia	Psychotic Symptom Rating Scales (PSYRATS)	17 item clinician rated	5.5 (3 to 6.5)	5 (3 to 6)
	Positive and Negative Symptoms Scale (PANSS)	30 item clinician rated	7 (5 to 8)	7 (5.5 to 8)
	Scale for the assessment of Positive (Negative) Symptoms (SAP/ SAN)	50 items clinician rated	6 (4.5 to 7.5)	6 (4 to 6.5)
General mental health	Warwick-Edinburgh Wellbeing scale (WEWS)	14 item self administered	7.5 (5 to 8)	7.5 (5 to 8)
	CORE outcome measure (CORE-OM)	34 item self administered	7 (6 to 8)	7 (6 to 8)
	General health Questionnaire (GHQ-12)	12 item self administered	3 (4 to 6)	4 (3 to 5)
Social functioning/ disability	Work and Social Adjustment (WASA)	5 item self administered	5 (3 to 6)	5 (3 to 5)
	Social Functioning Questionnaire (SFQ)	8 item self administered	4 (2 to 6)	3 (2 to 5)
	WHO-Disability Assessment Schedule (WHO-DAS II)	12 item interviewer administered	3 (2 to 5)	3 (2 to 4)
	Short-form 12-item Health Survey (SF-12)	12 item self administered	3 (2 to 4)	3 (2 to 4)
Quality of life	World Health Organisation - Quality of Life (WHO-QoL)	26 item interviewer administered	7.5 (5 to 8)	7.5 (6 to 8.5)
	Manchester Short Assessment of Quality of Life (MANSA)	17 item self administered	7 (5 to 8)	7 (6 to 8)
	Quality of Life Scale (QOL)	16 item self administered	6 (5 to 7)	6 (5 to 7)
	European Quality of Life Scale (EQ-5D)	6 item self administered	3 (2 to 5)	3 (2 to 4)
Side effects of medication	Liverpool University Neuroleptic Side Effect (LUNSERS)	51 item self administered	7.5 (5.5 to 9)	8 (7 to 8)
	Antipsychotic Non-Neurological Side-Effects Rating Scale (ANSSERS)	44 item clinician administered	5.5 (4.5 to 7)	7 (5 to 7)
	Udvalg for Kliniske Undersøgelser (UKU)	48 item clinician administered	5.5 (4.5 to 8)	6.5 (5 to 8)
Other measures	Recovery Star	10 items completed collaboratively	5.5 (4 to 7.5)	6.5 (5 to 7.5)
	Clinical Global Impression	Single question self rated	5 (2 to 6)	5 (3 to 6)
	Health of the Nation Outcome Scale (HoNOS)	12 item clinician administered	6 (3 to 8)	5 (4 to 8)
	Global Assessment of Functioning (GAF)	Single item clinician rated	4 (2 to 5)	3 (3 to 4)

Table 2. Features of an appropriate outcome measure according to panel members

- Should be based on patient rather than staff-rated judgements or completed by patients in collaboration with staff
- Includes 'positive' as well as 'negative' items
- Is comprehensive - neither too long or too short
- Avoids questions which are intrusive about private issues such as sex life
- Makes note of the time and place where the outcome is measured
- Includes space for 'added comments'
- Is used by staff who have good interpersonal skills and have been properly trained in the use of the outcome measure
- If self completed, is presented in a professional manner

Appendix A. Rating sheet (used in expert panel on mood disorder)

PROMISE

Thank you for helping us work out whether the outcome measures that we present to you today are appropriate. After you have rated the outcome measure the first time we will provide you with feedback about how other people rated the measure and you will have a second chance to rate whether you think it is appropriate following discussion with other members of the panel.

Please place a cross in the box next to a number to indicate your response to each outcome measure. For example, if you think that outcome measure is entirely appropriate you should tick the box underneath the number 9 (as below)

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HIGH

1. BECK DEPRESSION INVENTORY

1.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

1.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

2. HAMILTON DEPRESSION SCALE

2.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

2.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

3. PATIENT HEALTH QUESTIONNAIRE (PHQ-9)

3.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

3.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

4. WORLD HEALTH ORGANISATION - DISABILITY SCALE

2.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

2.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

5. WORK AND SOCIAL ADJUSTMENT SCALE

5.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

5.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

6. SOCIAL FUNCTIONING QUESTIONNAIRE

6.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

6.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

7. 12-ITEM SOCIAL FUNCTION (SF-12)

7.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

7.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

8. CLINICAL OUTCOMES FOR ROUTINE EVALUATION (CORE)

8.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

8.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

9. GENERAL HEALTH QUESTIONNAIRE (GHQ-12)

9.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

9.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

10. GLOBAL ASSESSMENT OF FUNCTIONING (GAF)

10.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

10.2 ROUND TWO: Is this outcome measure appropriate?

11. CLINICAL GLOBAL IMPRESSION (CGI)

11.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

11.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

12. HEALTH OF THE NATION OUTCOME SCALE

12.1 ROUND ONE: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

12.2 ROUND TWO: Is this outcome measure appropriate?

	0	1	2	3	4	5	6	7	8	9	10	
LOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HIGH

Appendix B. Flowchart illustrating selection of 24 outcome measures presented to the expert panels

