Supplementary Online Content

Experience of Inpatient Mental Health Care Assessed With Service User–Developed and Conventional Patient-Reported Outcome Measures

Ioannis Bakolis, Ph.D., Prashant Gupta, M.D., Til Wykes, Ph.D.

Term	T Measurement Terms. Definition					
Ability to detect	Evidence that an instrument can identify differences in scores over time					
change	in individuals or groups who have changed with respect to the					
change	manuficultures of groups who have changed with respect to the measurement concept. Effect sizes and 95% confidence intervals can be					
	used to assess this property.					
Construct validity						
Construct validity	Evidence that relationships among items, domains, and concepts					
	conform to a priori hypotheses concerning logical relationships that					
	should exist with other measures or characteristics of patients and					
C	patient groups.					
Convergent	An aspect of construct validity. Evidence that relationships between					
validity	results gathered using the instrument and results gathered using other					
	measures are consistent with pre-existing hypotheses concerning those					
	relationships. Correlations can be used to assess this property.					
Exploratory	A statistical method used to uncover the underlying structure of a					
Factor Analysis	relatively large set of measured variables.					
Confirmatory	A statistical method that is used to test how well the measured variables					
Factor Analysis	represent the number of constructs.					
Instrument	A means to capture data (i.e., a questionnaire) plus all the information					
	and documentation that supports its use. Generally, that includes clearly					
	defined methods and instructions for administration or responding, a					
	standard format for data collection, and well-documented methods for					
	scoring, analysis, and interpretation of results in the target patient					
	population.					
Internal	An aspect of reliability. A measurement of the extent to which items					
consistency	comprising a scale measure of the same concept. This can be assessed					
	using Cronbach's alpha coefficient (α) or KR-20.					
Item	An individual question, statement, or task (and its standardized response					
	options) that is evaluated by the patient to address a particular concept.					
Measurement	All of the attributes relevant to the application of an instrument					
properties	including construct validity, reliability, and ability to detect change.					
	These attributes are specific to the measurement application and cannot					
	be assumed to be relevant to all measurement situations, purposes,					
	populations, or settings in which the instrument is used.					
Reliability	The ability of an instrument to yield consistent, reproducible estimates					
	of the construct.					
Scale	The system of numbers or verbal anchors by which a value or score is					
	derived for an item. Examples include visual analogue scales, Likert					
	scales, and numeric rating scales.					
Score	A number derived from a person's response to items in a questionnaire.					
	A score is computed based on a prespecified, validated scoring					
	algorithm and is subsequently used in statistical analyses of clinical trial					
	results. Scores can be computed for individual items, domains, or					
	concepts, or as a summary of items, domains, or concepts.					
Stepped wedge	A randomised controlled trial in which clusters (e.g. group of patients or					
randomised	hopsitals) receive the intervention at different time points, the order in					
controlled trial	which they receive it is randomised, and data are collected from clusters					
	over time.					
	which they receive it is randomised, and data are collected from clusters					

Table S1: Glossary of Measurement Terms.

Note: Source for measurement terms: (Food and Drug Administration, 2009)

TABLE S2 Intercorrelations of total scores of VOICE and SSS-Res and sub-scales of VOICE-S, VOICE-T, SSS-Res-E, SSS-Res-C

Scale	VOICE	SSS-	VOICE-	VOICE-	SSS-RES-	SSS-	
		Res	Т	Ι	E	RES-C	
At Baseline (n=670)							
VOICE	1						
SSS-Res	0.85	1					
VOICE-T	0.88	0.80	1				
VOICE-I	0.88	0.72	0.06	1			
SSS-Res-E	0.79	0.90	0.78	0.62	1		
SSS-Res-C	0.74	0.89	0.65	0.67	0.06	1	
At the end of intervetnion (n=438)							
VOICE	1						
SSS-Res	0.84	1					
VOICE-T	0.91	0.78	1				
VOICE-I	0.89	0.73	0.06	1			
SSS-Res-E	0.81	0.93	0.77	0.73	1		
SSS-Res-C	0.76	0.93	0.70	0.69	0.07	1	

All p<0.001 for all correlations. VOICE = total score of VOICE questionnaire; SSS-Res = total score of SSS-Res Questionnaire; VOICE-T: trust subscale of the VOICE scale; VOICE-I: involvement subscale of the SSS-Res scale; SSS-Res-E: Environment subscale of the SSS-Res subscale; SSS-Res-C: Care subscale of the SSS-Res scale.

Panel S1. The setting

- Borough 1 serves an inner-city population that has a high deprivation index. Five 18bedded wards participated in this study, three for men and two for women.
- Borough 2 serves a more suburban affluent area. Three wards participated in our study, one for men and two for women. Two wards had 22 beds and one, a women's ward, had eight beds and did not admit patients under any legal sanction.
- Borough 3 has a high deprivation score and four 18-bedded wards provide acute inpatient care. There were two single gender and two mixed gender wards (a triage ward and an early intervention unit).
- Borough 4 was mixed socioeconomically with two 18-bedded mixed gender wards serving an area with a high deprivation score.
- Borough 5 serves a suburban and affluent area and had two mixed gender, 18-bedded wards.