

Supplemental file 3. Secondary clinical outcome measures – description and timing

Measure	Description	Timepoint		
		Baseline	Two-months post-hospital discharge	12-months post-hospital discharge
Impact of Events Scale-Revised (IES-R) (1)	IES-R is a 22-question patient reported outcome measure (PROM) widely used to assess symptoms of PTSD in critical care research(2,3), recommended by critical care core outcome dataset developers(4-6) and the International Conference of Harmonisation of Outcome Measures(7). The 22 questions cover symptoms of intrusion, avoidance, and hyperarousal. Participants indicate how distressing the symptoms have been over the last 7 days. Symptom severity can be 0 (not at all), 1 (a little bit), 2 (moderately), 3 (quite a bit), 4 (extremely), giving a total scoring range of 0 to 88. A range of cut-offs for diagnosing PTSD have been identified in different populations. To maximise sensitivity, and minimise risk of leaving PTSD untreated, we will apply the lower cut-off of 22 and retrospectively conduct a sensitivity analysis against the CAPS-5.	X	X	X
Clinician Administered PTSD Scale for DSM-5 (CAPS-5)(8)	CAPS-5 is a structured diagnostic interview, considered the gold-standard assessment of PTSD symptoms. In addition to evaluating the 20 symptoms listed in the DSM-5, the questions focus on the onset and duration of these symptoms, the subjective distress experienced, how these symptoms impact an individual's social and occupational functioning, any improvement in symptoms since a prior CAPS assessment, the overall validity of the responses, the severity of PTSD as a whole, and the criteria for the dissociative subtype, which encompasses depersonalization and derealization. CAPS-5 assessment will be conducted face-to-face or over the phone, (according to participant preference) methods which deliver comparable results.		X (participants who have consented to part B only)	X (participants who have consented to part B only)
Clinical Global Impression-Severity scale (CGI-S)(9)	The CGI-S can be used to assess symptom severity and response to treatment. It requires a clinician to rate the severity of a patient's mental illness, on a seven-point scale ranging from; 1 – normal, not at all ill, 2 – borderline mentally ill, 3 – mildly ill, 4 – moderately ill, 5 – markedly ill, 6 – severely ill, 7 – among the most extremely ill patients.		X (participants who have consented to part B only)	X (participants who have consented to part B only)

Clinical Global Impression-Improvement scale (CGI-I)(9)	The CGI-I requires a clinician to assess degree of improvement since baseline, in a participant's symptoms, on a seven-point ranging from; 1-very much improved; 2-much improved; 3-minimally improved; 4-no change; 5-minimally worse; 6-much worse; 7-very much worse.		X (participants who have consented to part B only)	X (participants who have consented to part B only)
Patient Health Questionnaire (PHQ-9)(10)	Self-administred, vaildated tool assesses depressive symptom severity(10-12). Scores are calculated by assigning 0 for 'not at all, 1- 'several days', 2 - 'more than half the days' or 3 - 'nearly every day' for responses to nine questions, giving a score in the range 0-27. PHQ-9 score of 0-4 demonstrates no - minimal depression severity. 5-9 = mild severity, 10-14 = moderate severity, 15-19 = moderately severe, 20-27 = severe.	X	X	X
Generalised Anxiety Disorder-7 (GAD-7)(13)	Seven-question, self-administered tool is validated to assess for anxiety symptom severity. Scores are calculated by assigning 0 for 'not at all, 1- 'several days', 2 - 'more than half the days' or 3 - 'nearly every day' for responses to nine questions, giving a score in the range 0-21. GAD-7 scores of 5, 10 and 15 represent cut-offs for mild, moderate and severe anxiety respectively.	X	X	X
Health Related Quality of Life: Euroqual 5-level 5-Dimension (EQ-5D-5L)(14)	Comprises five quality-of-life dimensions; mobility, self-care, usual activities, pain/discomfort and anxiety/depression. Participants report levels ranging from 'no problems' to 'extreme problems'.	X	X	X