

## Additional file 2: Figure S3. Additional information on outcome measures

Source of data	Domain	Instrument	Data collection time points
Patient	Cognition	MMSE-2: SV [1]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Patient	Quality of Life	DEMQOL [2]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Patient	Quality of Life	EQ-5D-5L self-complete [3]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Patient	Patient perspective on care	howRwe [4]	Baseline, T1* (1 month, $\pm$ 5 days)
Patient	Cognition	Clinical Dementia Rating (CDR) [5]	Baseline, T3 (6 months, $\pm$ 5 days)
Patient	Case note review tool, not yet in public domain	Patient care profile	T1* (1 month, $\pm$ 5 days)
Patient	Mobility	Timed Up & Go [6]	T2 (3 months, $\pm$ 5 days)
Suitable Informant	Physical function for activities for daily living	Bristol Activities of Daily Living Scale (BADLS) [7]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Suitable Informant	Quality of Life	DEMQOL-Proxy [8]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Suitable Informant	Quality of Life	EQ-5D-5L Carer self-report [3]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)

From Hammond et al., PERFECTED Enhanced Recovery (PERFECT-ER) care versus standard acute care for patients admitted to acute settings with hip fracture identified as experiencing confusion: study protocol for a feasibility cluster randomized controlled trial

Source of data	Domain	Instrument	Data collection time points
Suitable Informant	Service use	Client Service Receipt Inventory CSRI** [9]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Suitable Informant	Service use	Number of days in institutional care	T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Suitable Informant	Carer perspective on patient care	howRthey [10]	Baseline, T1* (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Suitable Informant	Service use	Patient's place of residence question	Baseline***, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Suitable Informant	Cognition	Clinical Dementia Rating (CDR) [5]	Baseline, T3 (6 months, $\pm$ 5 days)
Suitable Informant	Cognition	Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) [11]	Baseline only
Patient hospital records	Service use	Length of stay in index hospitalisation question	T1**** (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Patient hospital records	Service use	Discharge destination from index hospitalisation question	T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Patient records	Hospital re-admission rates	Hospital re-admission rates question	T3 (6 months, $\pm$ 5 days)
Patient records	Hospital service use*****	Hospital service use question	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)

Figure 3

From Hammond et al., PERFECTED Enhanced Recovery (PERFECT-ER) care versus standard acute care for patients admitted to acute settings with hip fracture identified as experiencing confusion: study protocol for a feasibility cluster randomized controlled trial

Source of data	Domain	Instrument	Data collection time points
Patient	Delirium	4AT [12]	Baseline, T1* (1 month, $\pm$ 5 days)
Patient records	Comorbidity marker	Charlson Co-morbidity Index (CCI) [13]	Baseline, T1 (1 month, $\pm$ 5 days), T2 (3 months, $\pm$ 5 days), T3 (6 months, $\pm$ 5 days)
Patient records	Service delivery comparator	National Hip Fracture Database (NHFD) (England only) [14]	T3***** (6 months, $\pm$ 5 days)

\* Patients may be discharged from study ward before or after T1. Measure to be collected whenever discharge occurs from study ward. This point maybe  $\pm$  5 days;

\*\*\*duration of retrospective period covered varies by assessment point;

\*\*\*pre-baseline ordinary residence;

\*\*\*\* If patient is still in acute hospital at 30 days this will be recorded;

\*\*\*\*\*from hospital patient records, of service use within site of index hospitalisation

\*\*\*\*\*extracted from National Hip Fracture Database post recruitment window closing

From Hammond et al., PERFECTED Enhanced Recovery (PERFECT-ER) care versus standard acute care for patients admitted to acute settings with hip fracture identified as experiencing confusion: study protocol for a feasibility cluster randomized controlled trial

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