## **Supplementary materials**

Online Table 1: Proportion of participants meeting definitions of caseness for psychological measures at baseline, 1 month and 12 months follow-up.

Psychological measure	Meets caseness definition (%)		
	Baseline (N=513)*	1 month	12 months
		(N=513)	(N=383)
Depression (HADS	7(1.4)[2]	78(15.2)[1]**	22(5.7)**
depression score $\geq 11$ )			
Anxiety (HADS anxiety	21(4.1) [2]	82(16.0) [1]**	37(9.7) **
score $\geq 11$ )			
PTSD (IES score $\geq 26$ ;	N/A	126(24.7)[3]	68(17.8)[2]
moderate or severe)			
Alcohol (score ≥8; medium	98(19.6)[14]**	61(12.2)[13]**	50(13.3)[9] **
or high)			
Drugs (DAST score $\geq 3$ ;	7(1.4%)[4]	4(0.8)[7]	2(0.5)[8]
moderate or severe).			
Meets at least one of the	116(23.3)[[16]]	194(38.3)[[6]]	120(31.9)[[6]]
above 5 psychological			
measures case definitions.			

\*Analysis restricted to those participants returning 1 month follow-up (n=513) as these are the sample used for analyses presented in this paper. []missing values . [[]]data were missing on one or more of the 5 variables and case definitions were not met for the other measures. \*\*Significant change from baseline at p<0.001

Online Table 2: Proportion of participants meeting criteria for psychiatric disorders from SCID interview at baseline, 1 month and 12 months follow-up.

Psychological measure	M	eets caseness definition (%)	
	Baseline *	1 Month	12 months
	Completed SCIDs N=513	SCIDs required based on	SCIDs required based
		screening questionnaire	on screening
		N=264**	questionnaire N=147
		Completed SCIDs	Completed SCIDs
		N=193 (73%)***	N=84 (57%)
Current Major Depression	8(1.6)	35(18.1)****	14(17.7)****
Episode			
Past major depressive	27(5.3)	N/A	N/A
episode			
Dysthymic disorder	9(1.8)	N/A	N/A
Panic Disorder	9(1.8)	6(3.1)	9(10.7)
Panic Disorder with	4(0.8)	1(0.5)	2(2.4)
agoraphobia			
Agoraphobia without history	2(0.4)	3(1.6)	3(3.6)
of panic disorder			
Social phobia	10(1.9)	0(0.0)	1(1.2)
Specific phobia	10(1.9)	5(2.6)	3(3.6)
Obsessions and Compulsion	5(1.0)	1(0.5)	0(0.0)
(OCD)			
Generalised anxiety disorder	7(1.4)	4(2.0)	4(4.8)
PTSD	8(1.6)	29(15.0)****	10(11.9)****
Alcohol abuse	15(2.9)	4(2.0)	4(4.8)
Alcohol dependence	11(2.1)	2(1.0)	3(3.6)
Substance abuse	2(0.4)	3(1.6)	1(1.2)
Substance dependence	2(0.4)	0(0.0)	0(0.0)

\* Analysis restricted to those participants returning 1 month follow-up (n=513) as these are the sample used for analyses presented in this paper. \*\* Only those participants scoring one or more of the following cut-offs required SCID interviews: scores of borderline or caseness in HADS depression and HADS anxiety, moderate or severe in IES and DAST, medium or high in AUDIT. \*\*\*People who did not have their SCID interview done were dropped from analysis. \*\*\*\*Significant change from baseline at p<0.001. \*\*\*\*Significant change from baseline at p<0.05

Online table 3. Characteristics measured at baseline and one month in those who returned 1 and 12 month questionnaires compared with those who did not (row percentages)

Characteristics measured at baseline			
	Did not return both	Returned 1 and 12	P value
	the 1 and 12 month	month	
	questionnaires	questionnaires	
	(n=284)	(n=384)	
Centre			
Nottingham	145 (52.2)	133 (47.8)	P<0.01
Loughborough	66 (39.5)	101 (60.5)	
Bristol	55 (31.6)	119 (68.4)	
Surrey	18 (36.7)	31 (63.3)	
Age			
16-24	58 (60.4)	38 (39.6)	P<0.01
25-44	106 (59.6)	72 (40.5)	
45-64	99 (31.9)	211 (68.1)	
65+	21 (25.0)	63 (75.0)	
Sex			
Female	110 (34.8)	206 (65.2)	P<0.01
Male	174 (49.4)	178 (50.6)	
Number of psychiatric diagnoses in past			
0	227 (40.8)	329 (59.2)	
1	30 (45.5)	36 (55.6)	P=0.06
2+	27 (58.7)	19 (41.3)	
Depression score		[2]	
mean (SD)	1.9 (3.1)	1.4 (2.3)	P=0.32
median (IQR)	0 (0,3)	0 (0,2)	
Anxiety score		[2]	
mean (SD)	3.3 (4.0)	2.9 (3.3)	P=0.62
median (IQR)	2 (0,5)	2 (0,5)	
AUDIT	[8]	[3]	
mean (SD)	5.9 (5.8)	4.4 (4.1)	P<0.01
median (IQR)	4 (2,8)	4 (1,6)	
DAST	[4]	[3]	
mean (SD)	0.4 (1.3)	0.1 (0.4)	P<0.01
median (IQR)	0 (0,0)	0 (0,0)	
Long standing illness	[4]	[2]	
No	208 (41.8)	290 (58.2)	P=0.63
Yes	72 (43.9)	92 (56.1)	
Employment	[4]	[4]	
Paid employment	171 (43.5)	222 (56.5)	P<0.01
Not in paid employment	43 (56.6)	33 (43.4)	
Retired	36 (27.7)	94 (72.3)	
Other	30 (49.2)	31 (50.8)	
Ethnic group		[2]	
White	263 (41.5)	371 (58.5)	P<0.01
BME	21 (65.6)	11 (34.4)	
Deprivation (IMD)	[8]	[9]	
mean (SD)	20.7 (15.1)	15.5 (12.4)	P<0.01
median (IQR)	15.5 (9.1, 29.0)	11.4 (6.9, 20.0)	
Marital status	[3]	[2]	
Single	110 (58.2)	79 (41.8)	P<0.01
Married/partnership	118 (32.8)	242 (67.2)	
Divorced/widowed	53 (46.5)	61 (53.5)	
Nights in hospital	, , , , , , , , , , , , , , , , , , ,		

Maan (SD)	7 2 (5 7)	72(61)	P=0.81
Mean (SD)	7.3 (5.7)	7.3 (6.1)	P=0.81
Median (IQR)	6 (3,10)	6 (3,9)	
Injury severity	[1]	[1]	
Minor	28 (63.6)	16 (36.4)	P=0.01
Moderate	197 (41.8)	274 (58.2)	
Serious or worse	58 (38.6)	93 (61.6)	
Number of injuries			
1	132 (41.6)	185 (58.4)	P=0.31
2	98 (46.5)	113 (53.6)	
3 or more	54 (38.6)	86 (61.4)	
Body part injured			
Other	29 (48.3)	31 (51.7)	P=0.43
Upper limb	51 (43.6)	66 (56.4)	
Lower limb	183 (42.7)	246 (57.3)	
Upper and lower limbs	21 (33.9)	41 (66.1)	
Injury mechanism			
Other	28 (51.9)	26 (48.2)	P=0.11
Falls	166 (39.1)	259 (60.9)	1 0.11
Traffic	67 (47.2)	75 (52.8)	
Struck	23 (48.9)	24 (51.1)	
Place of injury	25 (TU.))	27 (J1.1)	
Other	41 (39.8)	62 (60.2)	P=0.38
Home	60 (42.3)	82 (57.8)	F=0.38
	× ,		
Work	29 (46.0)	34 (54.0)	
Road	88 (44.0)	112 (56.0)	
Countryside	25 (32.9)	51 (67.1)	
Sports facilities	41 (49.4)	42 (50.6)	
Characteristics measured at 1 month			
	Returned 1 month	Returned 1 and 12	P value
	questionnaire but did	month questionnaires	
	not return 12 month	(n=384)	
	questionnaire (n=129)	(n=384)	
Depression score	questionnaire (n=129) [1]	(n=384)	
Depression score Mean (SD)	questionnaire (n=129)	( <b>n=384</b> ) 6.0 (4.3)	P=0.70
	questionnaire (n=129) [1]		P=0.70
Mean (SD)	<b>questionnaire (n=129)</b> [1] 6.2 (4.4)	6.0 (4.3)	P=0.70
Mean (SD) Median (IQR) Anxiety score	<b>questionnaire (n=129)</b> [1] 6.2 (4.4) 5 (2,9)	6.0 (4.3) 5 (3,9)	P=0.70 P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)	6.0 (4.3) 5 (3,9) 5.6 (4.4)	
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8)	
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT	questionnaire (n=129)         [1]         6.2 (4.4)         5 (2,9)         [1]         6.4 (4.4)         6 (2.7, 10)         [4]	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9]	P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9)	
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR)	questionnaire (n=129)         [1]         6.2 (4.4)         5 (2,9)         [1]         6.4 (4.4)         6 (2.7, 10)         [4]         5.9 (5.8)         4 (2,8)	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9) 2 (0,4)	P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST	questionnaire (n=129)         [1]         6.2 (4.4)         5 (2,9)         [1]         6.4 (4.4)         6 (2.7, 10)         [4]         5.9 (5.8)         4 (2,8)         [2]	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9) 2 (0,4) [5]	P=0.06 P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9) 2 (0,4) [5] 0.0 (0.3)	P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9) 2 (0,4) [5] 0.0 (0.3) 0 (0,0)	P=0.06 P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance	questionnaire (n=129)         [1]         6.2 (4.4)         5 (2,9)         [1]         6.4 (4.4)         6 (2.7, 10)         [4]         5.9 (5.8)         4 (2,8)         [2]         0.1 (0.5)         0 (0,0)         [2]	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9) 2 (0,4) [5] 0.0 (0.3) 0 (0,0) [1]	P=0.06 P=0.06 P<0.01
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD),	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)	6.0 (4.3) 5 (3,9) 5.6 (4.4) 5 (2,8) [9] 3.1 (3.9) 2 (0,4) [5] 0.0 (0.3) 0 (0,0) [1] 7.3 (8.8)	P=0.06 P=0.06
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)	$\begin{array}{c} 6.0 (4.3) \\ 5 (3,9) \\ \hline \\ 5.6 (4.4) \\ 5 (2,8) \\ \hline \\ 9] \\ 3.1 (3.9) \\ 2 (0,4) \\ \hline \\ 5] \\ 0.0 (0.3) \\ 0 (0,0) \\ \hline \\ 11 \\ 7.3 (8.8) \\ 4 (0,12) \end{array}$	P=0.06 P=0.06 P<0.01
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]	$\begin{array}{c} 6.0 \ (4.3) \\ 5 \ (3,9) \\ \hline \\ 5.6 \ (4.4) \\ 5 \ (2,8) \\ \hline \\ [9] \\ 3.1 \ (3.9) \\ 2 \ (0,4) \\ \hline \\ [5] \\ 0.0 \ (0.3) \\ 0 \ (0,0) \\ \hline \\ [1] \\ 7.3 \ (8.8) \\ 4 \ (0,12) \\ \hline \\ [1] \end{array}$	P=0.06 P=0.06 P<0.01 P=0.08
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD),	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)	$\begin{array}{c} 6.0 \ (4.3) \\ 5 \ (3,9) \\ \hline \\ 5.6 \ (4.4) \\ 5 \ (2,8) \\ \hline \\ 9] \\ 3.1 \ (3.9) \\ 2 \ (0,4) \\ \hline \\ [5] \\ 0.0 \ (0.3) \\ 0 \ (0,0) \\ \hline \\ [1] \\ 7.3 \ (8.8) \\ 4 \ (0,12) \\ \hline \\ [1] \\ 7.8 \ (8.5) \end{array}$	P=0.06 P=0.06 P<0.01
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD), Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)           6 (1,16)	$\begin{array}{c} 6.0 \ (4.3) \\ 5 \ (3,9) \\ \hline \\ 5.6 \ (4.4) \\ 5 \ (2,8) \\ \hline \\ 9] \\ 3.1 \ (3.9) \\ 2 \ (0,4) \\ \hline \\ [5] \\ 0.0 \ (0.3) \\ 0 \ (0,0) \\ \hline \\ [1] \\ 7.3 \ (8.8) \\ 4 \ (0,12) \\ \hline \\ [1] \\ 7.8 \ (8.5) \\ 5 \ (0,12) \end{array}$	P=0.06 P=0.06 P<0.01 P=0.08
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD), Median (IQR) SFQ	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)           6 (1,16)           [3]	$\begin{array}{c} 6.0 (4.3) \\ 5 (3,9) \\ \hline \\ 5.6 (4.4) \\ 5 (2,8) \\ \hline \\ 9 \\ 3.1 (3.9) \\ 2 (0,4) \\ \hline \\ 5 \\ 0.0 (0.3) \\ 0 (0,0) \\ \hline \\ 1 \\ 7.3 (8.8) \\ 4 (0,12) \\ \hline \\ 1 \\ 7.8 (8.5) \\ 5 (0,12) \\ \hline \\ 2 \\ \hline \end{array}$	P=0.06         P=0.06         P<0.01
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD), Median (IQR) SFQ Mean (SD)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)           6 (1,16)           [3]           7.9 (3.7)	$\begin{array}{c} 6.0 (4.3) \\ 5 (3,9) \\ \hline \\ 5.6 (4.4) \\ 5 (2,8) \\ \hline \\ 9] \\ 3.1 (3.9) \\ 2 (0,4) \\ \hline \\ 5] \\ 0.0 (0.3) \\ 0 (0,0) \\ \hline \\ 11 \\ 7.3 (8.8) \\ 4 (0,12) \\ \hline \\ 11 \\ 7.8 (8.5) \\ 5 (0,12) \\ \hline \\ 2 \\ \hline \\ 7.4 (3.6) \end{array}$	P=0.06 P=0.06 P<0.01 P=0.08
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD), Median (IQR) SFQ Mean (SD) Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)           6 (1,16)           [3]           7.9 (3.7)           8 (5,10)	$\begin{array}{c} 6.0 (4.3) \\ 5 (3,9) \\ \hline \\ 5.6 (4.4) \\ 5 (2,8) \\ \hline \\ 9 \\ 3.1 (3.9) \\ 2 (0,4) \\ \hline \\ 5 \\ 0.0 (0.3) \\ 0 (0,0) \\ \hline \\ 1 \\ 7.3 (8.8) \\ 4 (0,12) \\ \hline \\ 1 \\ 7.8 (8.5) \\ 5 (0,12) \\ \hline \\ 2 \\ \hline \end{array}$	P=0.06         P=0.06         P<0.01
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD), Median (IQR) SFQ Mean (SD) Median (IQR) SFQ Mean (SD) Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)           6 (1,16)           [3]           7.9 (3.7)	$\begin{array}{c} 6.0 (4.3) \\ 5 (3,9) \\ \hline \\ 5.6 (4.4) \\ 5 (2,8) \\ \hline \\ 9] \\ 3.1 (3.9) \\ 2 (0,4) \\ \hline \\ 5] \\ 0.0 (0.3) \\ 0 (0,0) \\ \hline \\ 11 \\ 7.3 (8.8) \\ 4 (0,12) \\ \hline \\ 11 \\ 7.8 (8.5) \\ 5 (0,12) \\ \hline \\ 2 \\ \hline \\ 7.4 (3.6) \end{array}$	P=0.06         P=0.06         P<0.01
Mean (SD) Median (IQR) Anxiety score Mean (SD) Median (IQR) AUDIT Mean (SD) Median (IQR) DAST Mean (SD) Median (IQR) IES avoidance Mean (SD), Median (IQR) IES intrusion Mean (SD), Median (IQR) SFQ Mean (SD) Median (IQR)	questionnaire (n=129)           [1]           6.2 (4.4)           5 (2,9)           [1]           6.4 (4.4)           6 (2.7, 10)           [4]           5.9 (5.8)           4 (2,8)           [2]           0.1 (0.5)           0 (0,0)           [2]           9.0 (9.6)           6 (0,16)           [2]           9.6 (9.8)           6 (1,16)           [3]           7.9 (3.7)           8 (5,10)	$\begin{array}{c} 6.0 (4.3) \\ 5 (3,9) \\ \hline \\ 5.6 (4.4) \\ 5 (2,8) \\ \hline \\ 9 \\ 3.1 (3.9) \\ 2 (0,4) \\ \hline \\ 5 \\ 0.0 (0.3) \\ 0 (0,0) \\ \hline \\ 1 \\ 7.3 (8.8) \\ 4 (0,12) \\ \hline \\ 1 \\ 7.8 (8.5) \\ 5 (0,12) \\ \hline \\ 2 \\ \hline \\ 7.4 (3.6) \\ 7 (5,9) \end{array}$	P=0.06         P=0.06         P<0.01

Changes in outlook (+)	[3]	[1]	
Mean (SD)	19.0 (6.3)	19.6 (6.6)	P=0.27
Median (IQR)	21 (14, 24)	21 (16, 24)	
Changes in outlook	[2]	[2]	
(-)	10.0 (5.0)	9.9 (5.1)	P=0.63
Mean (SD),	9 (5,13)	9 (5,12)	
Median (IQR)			
Life events since injury	[3]	[11]	
No	104 (24.4)	322 (75.6)	
Yes	22 (30.1)	51 (69.9)	P=0.30
Pain VAS		[4]	
Mean (SD),	34.8 (25.0)	28.7 (21.5)	P=0.02
Median (IQR)	28 (15, 52)	24 (11,47)	
Seeking compensation	[5]	[26]	
No	98 (25.5)	287 (74.5)	P=0.79
Yes	26 (26.8)	71 (73.2)	
Involved in litigation	[3]	[4]	
No	106 (24.4)	329 (75.6)	P=0.49
Yes	20 (28.2)	51 (71.8)	

Percentages may not add up to 100 due to rounding

Online Table 4. Psychological predictors (at 1 month post-injury) of recovery at 12 months, adjusted for confounders, socio-demographic and injury characteristics and other significant predictors (analysis of multiply imputed data for all 668 participants at baseline).

Characteristics	Model A (A priori confounders)	Model B (Model A + psychological predictors at 1 month)	Model C (Model B + psychological predictors at 1 month + socio- demographic, psychological and injury characteristics at baseline)	Model D (Model C + other predictors at 1 month)
	Odds ratio (95% CI)	Odds ratio (95% CI)	Odds ratio (95% CI)	Odds ratio (95% CI)
A priori confounders				
Centre:				
Nottingham	1.00	1.00	1.00	1.00
Loughborough	1.23 (0.74 , 2.06)	1.20 (0.71 , 2.03)	1.21 (0.69 , 2.10)	1.19 (0.69, 2.06)
Bristol	0.80 (0.48 , 1.34)	0.77 (0.45 , 1.30)	0.77 (0.45 , 1.33)	0.75 (0.43, 1.31)
Surrey	2.20 (1.04 , 4.68)	2.03 (0.94 , 4.38)	1.75 (0.77 , 3.96)	1.74 (0.77, 3.92)
Age:				
16-24	1.00	1.00	1.00	1.00
25-44	0.90 (0.45 , 1.79)	0.92 (0.45 , 1.88)	0.79 (0.36 , 1.69)	0.78 (0.36, 1.72)
45-64	0.67 (0.34 , 1.34)	0.67 (0.33 , 1.36)	0.54 (0.25, 1.19)	0.52 (0.23, 1.17)
65+	1.25 (0.54 , 2.87)	1.19 (0.51 , 2.76)	0.71 (0.25 , 2.05)	0.63 (0.22, 1.82)
Sex:	1.00	1.00	1.00	1.00
Female Male	1.00	1.00	1.00	1.00
	0.99 (0.66 , 1.48) tors measured at 1 mon	0.91 (0.60 , 1.39)	0.95 (0.61 , 1.47)	0.95 (0.61, 1.47)
Depression:	ors measurea at 1 mon	in posi-injury		
Quartile 1 (0-3)		1.00	1.00	1.00
Quartile $2 (4-5)$		0.55 (0.30, 0.99)	0.54 (0.29, 1.02)	0.59 (0.32, 1.10)
Quartile $2(4-3)$ Quartile $3(6-9)$		0.55(0.36, 0.99) 0.62(0.36, 1.05)	0.63 (0.36 , 1.11)	0.73 (0.41, 1.30)
Quartile 4 (9.3-21)		0.39 (0.22, 0.70)	0.40 (0.22, 0.75)	0.53 (0.28, 1.00)
	sychological and iniu	ry characteristics at bas		0.00 (0.20, 1.00)
Employment:				
In paid employment			1.00	1.00
Not in paid			0.75 (0.30, 1.85)	0.79 (0.32, 1.97)
employment				
Retired			1.73 (0.87 , 3.44)	1.72 (0.86, 3.42)
Other			0.50 (0.19, 1.29)	0.48 (0.18, 1.27)
Deprivation (IMD)			0.99 (0.98 , 1.01)	1.00 (0.98, 1.01)
Nights in hospital			0.95 (0.90, 0.99)	0.94 (0.90, 0.99)
Injury severity:				
Minor			1.00	
Moderate			0.70 (0.26 , 1.86)	
Serious or worse			0.56 (0.19, 1.64)	
	sured at 1 month post-i	njury		1
Pain visual analogue				0.99 (0.97, 1.00)
scale				

Statistically significant odds ratios are highlighted.

Online table 5: Sensitivity analysis of final model for psychological predictors (at 1 month post-injury) of recovery at 12 months, adjusted for confounders, socio-demographic and injury characteristics and other significant predictors restricted to participants with HADS depression subscale scores <8 at 12 months.

Characteristics	Final model (Model D)		
	n=315		
	Odds ratio (95% CI)		
A priori confounders			
Centre:			
Nottingham	1.00		
Loughborough	1.35 (0.69, 2.66)		
Bristol	0.78 (0.40, 1.52)		
Surrey	1.47 (0.57, 3.81)		
Age:			
16-24	1.00		
25-44	0.71 (0.25, 2.05)		
45-64	0.41 (0.15, 1.13)		
65+	0.44 (0.12, 1.66)		
Sex:			
Female	1.00		
Male	0.88 (0.51, 1.52)		
Psychological predictors measured at 1 month			
post-injury			
Depression:	1.00		
Quartile 1 (0-3)	0.48 (0.24, 0.97)		
Quartile 2 (4-5)	0.59 (.30, 1.18)		
Quartile 3 (6-9)	0.37 (0.16, 0.84)		
Quartile 4 (9.3-21)			
Socio-demographic, psychological and injury			
characteristics at baseline			
Employment:			
In paid employment	1.00		
Not in paid	0.44 (0.09, 2.16)		
employment			
Retired	2.19 (0.95, 5.02)		
Other	0.27 (0.08, 0.99)		
Deprivation (IMD)	1.00 (0.98, 1.03)		
Nights in hospital	0.92 (0.86, 0.98)		
Other predictors meas	ured at 1 month post-		
injury			
Pain visual analogue	0.98 (0.96, 0.99)		
scale			

Statistically significant odds ratios are highlighted.