

Online table 1. Cronbach's alpha coefficients for scales

Scales	Cronbach's alpha coefficient (n=513)
Pre-injury measures	
HADS depression subscale	0.81
HADS anxiety subscale	0.83
AUDIT scale	0.78
DAST scale	0.71
SFQ scale	0.74
One month measures	
HADS depression subscale	0.79
HADS anxiety subscale	0.86
IES intrusion subscale	0.90
IES avoidance subscale	0.86
AUDIT scale	0.78
DAST scale	0.69
SFQ scale	0.68
CSS scale	0.71
CIOP scale	0.88
CION scale	0.81

Pre-injury scores measured retrospectively at recruitment to study

HADS=Hospital Anxiety and Depression Scale [1]. IES=Impact of Event Scale [2]. AUDIT=Alcohol Use Disorder Identification Test [3].

DAST=Drug Abuse Screening Test [4]. VAS=visual analogue scale [5]. SFQ=Social functioning Questionnaire [6]. CSS=Crisis Support Scale [7].

CIOP=Change in Outlook Questionnaire (positive changes [8]). CION=Change in Outlook Questionnaire (negative changes [8]).

Online table 2. Characteristics of study participants at 1 month (n=513) by return of all four follow-up questionnaires (column percentages unless specified otherwise)

Characteristics	Returned fewer than four follow-up questionnaires n=185	Returned all four follow-up questionnaires n=328	Statistical test
Measured at recruitment			
Centre			
Nottingham	82 (44.3)	111 (33.8)	$\chi^2=6.04$, 3df, p=0.11
Loughborough	42 (22.7)	87 (26.5)	
Bristol	46 (24.9)	104 (31.7)	
Surrey	15 (8.1)	26 (7.9)	
Age			
16-24	31 (16.8)	29 (8.8)	$\chi^2=46.12$, 3df, p<0.001
25-44	71 (38.4)	54 (16.5)	
45-64	65 (35.1)	191 (58.2)	
≥65	18 (9.7)	54 (16.5)	
Sex			
Female	82 (44.3)	185 (56.4)	$\chi^2=6.91$, 1df, p=0.009
Male	103 (55.7)	143 (43.6)	
Number of psychiatric morbidities at recruitment			
0	153 (82.7)	282 (86.0)	$\chi^2=0.98$, 2df, p=0.61
1	21 (11.4)	30 (9.2)	
≥2	11 (6.0)	16 (4.9)	
Longstanding illness	[3]	[2]	
No	138 (75.8)	247 (75.8)	$\chi^2=0.0002$, 1df, p=0.99
Yes	44 (24.2)	79 (24.2)	
Employment status	[1]	[4]	
Employed	107 (58.2)	192 (59.3)	$\chi^2=11.52$, 5df, p=0.04
Unable due to illness/disability	10 (5.4)	15 (4.6)	
Unemployed	10 (5.4)	7 (2.2)	
At home and not looking for work	6 (3.3)	7 (2.2)	
Retired	30 (16.3)	81 (25.0)	
Other	21 (11.4)	22 (6.8)	
Ethnic group		[2]	
White	174 (94.1)	319 (97.9)	$\chi^2=5.01$, 1df, p=0.03
Black or minority ethnic group	11 (6.0)	7 (2.2)	
Marital status	[2]	[1]	
Single	63 (34.4)	66 (20.2)	$\chi^2=12.60$, 2df, p=0.002
Married/partnership	93 (50.8)	203 (62.1)	
Divorced/widowed	27 (14.8)	58 (17.7)	
Injury severity		[1]	
Minor	11 (6.0)	14 (4.3)	$\chi^2=0.74$, 2df, p=0.69

Moderate	133 (71.9)	237 (72.5)	
Serious	41 (22.2)	76 (23.2)	
Number of injuries			
1	90 (48.7)	157 (47.9)	$\chi^2=0.21$, 2df, p=0.90
2	57 (30.8)	98 (29.9)	
≥3	30 (20.5)	73 (22.3)	
Body part injured			
Other	14 (7.6)	26 (7.9)	$\chi^2=1.96$, 3df, p=0.58
Upper limb	25 (13.5)	59 (18.0)	
Lower limb	128 (69.2)	210 (64.0)	
Upper and lower limb	18 (9.7)	33 (10.1)	
Injury mechanism			
Falls	123 (66.5)	218 (66.5)	$\chi^2=1.18$, 5df, p=0.95
Traffic	39 (21.1)	62 (18.9)	
Struck	11 (6.0)	22 (6.7)	
Penetrating	4 (2.2)	8 (2.4)	
Exertion	2 (1.1)	7 (2.1)	
Other	6 (3.2)	11 (3.4)	
Place of injury			
Home	31 (16.8)	73 (22.3)	$\chi^2=6.09$, 5df, p=0.30
Work	18 (9.7)	29 (8.9)	
Road	57 (30.8)	94 (28.8)	
Countryside	19 (10.3)	44 (13.5)	
Sports facilities	29 (15.7)	33 (10.1)	
Other	31 (16.8)	54 (16.5)	
Deprivation (IMD) score	[7]	[5]	
Median (IQR)	15.2 (8.1, 28.7)	11.4 (6.9, 20.3)	Z=3.52, p<0.001
Nights in hospital	[3]	[13]	
Median (IQR)	6 (3, 10)	6 (3, 9)	Z=0.48, p=0.63
Pre-injury EQ-5D utility index	[1]	[5]	
Median (IQR)	1 (0.85, 1)	1 (1,1,)	Z=-1.52, p=0.13
Pre-injury VAS pain score			
Median (IQR)	0 (0, 2)	0 (0, 3)	Z=-0.52, p=0.60
Pre-injury HADS depression score			
Median (IQR)	0 (0, 2)	0 (0, 2)	Z=0.10, p=0.92
Pre-injury HADs anxiety score			
Median (IQR)	2 (0, 5)	2 (0, 5)	Z=0.52, p=0.60
Pre-injury AUDIT score	[2]	[12]	
Median (IQR)	4 (2, 8)	3 (1, 5)	Z=3.88, p<0.001
Pre-injury DAST score	[1]	[3]	
Median (IQR)	0 (0, 0)	0 (0, 0)	Z=3.42, p<0.001
Mean (SD)*	0.2 (0.8)	0.05 (0.3)	
Pre-injury SFQ score			
Median (IQR)	2 (1, 4)	1 (0, 4)	Z=2.07, p=0.04
Measured at 1 month post-injury			
EQ-5D utility index		[1]	

Mean (SD)	0.41 (0.30)	0.45 (0.27)	t=-1.48, 510df, p=0.14
Pain VAS score	[1]	[3]	
Mean (SD)	33.3 (23.7)	28.5 (21.8)	t=2.34, 507df, p=0.02
Depression score	[1]		
Mean (SD)	6.2 (4.4)	6.0 (4.3)	t=0.69, 510df, p=0.49
Anxiety score	[1]		
Mean (SD)	6.2 (4.4)	5.6 (4.4)	t=1.62, 510df, p=0.11
AUDIT score	[6]	[7]	
Median (IQR)	3 (1, 6)	2 (0, 4)	Z=3.58, p<0.001
DAST score	[3]	[4]	
Median (IQR)	0 (0, 0)	0 (0, 0)	
Mean (SD)*	0.1 (0.5)	0.04 (0.3)	Z=2.30, p=0.02
IES avoidance score	[2]	[1]	
Mean (SD)	8.7 (9.4)	7.2 (8.7)	t=1.71, 508df, p=0.09
IES intrusion score	[2]	[1]	
Mean (SD)	9.5 (9.3)	7.6 (8.5)	t=2.28, 508df, p=0.02
SFQ score	[3]	[2]	
Mean (SD)	7.7 (3.7)	7.4 (3.6)	t=1.00, 506df, p=0.32
CSS score	[1]	[1]	
Mean (SD)	31.3 (5.9)	32.4 (6.2)	t=-1.99, 509df, p=0.047
CIOP score	[4]		
Mean (SD)	19.1 (6.3)	19.6 (6.6)	t=-0.84, 507df, p=0.40
CION score	[4]		
Mean (SD)	10.2 (5.3)	9.8 (5.0)	t=0.72, 507df, p=0.47
Life events in 1st month after injury	[7]	[7]	
No	148 (83.2)	278 (86.6)	$\chi^2=1.10$, 1df, p=0.30
Yes	30 (16.9)	43 (13.4)	
Seeking compensation	[8]	[23]	
No	136 (76.8)	249 (81.6)	$\chi^2=1.61$, 1df, p=0.21
Yes	41 (23.2)	56 (18.4)	
Involved in litigation	[3]	[4]	
No	152 (83.5)	283 (87.4)	$\chi^2=1.42$, 1df, p=0.23
Yes	30 (16.5)	41 (12.7)	

[] missing values. Pre-injury scores measured retrospectively at recruitment to study

*mean (SD) presented as median, 25th and 75th centile all equal to zero

HADS=Hospital Anxiety and Depression Scale [1]. IES=Impact of Event Scale [2]. AUDIT=Alcohol Use Disorder Identification Test [3].

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CIOP=Change in Outlook Questionnaire (positive changes [8]). CION=Change in Outlook Questionnaire (negative changes [8])

Online table 3. Minimal important difference in EQ-5D over time, by socio-demographic, injury and pre-injury psychological measures and univariate odds ratios (row % at each time point unless specified otherwise)

Measures at recruitment	Reduction in EQ-5D between pre-injury and 2 month values		Reduction in EQ-5D between pre-injury and 4 month values		Reduction in EQ-5D between pre-injury and 12 month values		Univariate Odds ratio (95%CI)
	<0.074 (n=55)	≥ 0.074 (n=367)	<0.074 (n=92)	≥ 0.074 (n=313)	<0.074 (n=158)	≥ 0.074 (n=216)	
Centre							
Nottingham	14 (9.5)	134 (90.5)	32 (21.2)	119 (78.8)	52 (39.4)	80 (60.6)	1
Loughborough	16 (13.7)	101 (86.3)	23 (21.5)	84 (78.5)	38 (37.6)	63 (62.4)	0.95 (0.51, 1.75)
Bristol	18 (14.8)	104 (85.3)	29 (25.4)	85 (74.6)	50 (44.6)	62 (55.4)	0.68 (0.38, 1.24)
Surrey	7 (20.0)	28 (80.0)	8 (24.2)	25 (75.8)	18(62.1)	11 (37.9)	0.41 (0.17, 0.99)
Sex							
Women	29 (12.6)	201 (87.4)	47 (21.4)	173 (78.6)	82 (40.8)	119 (59.2)	1
Men	26 (13.5)	166 (86.5)	45 (24.3)	140 (75.7)	76 (43.9)	97 (56.1)	0.80 (0.50, 1.29)
Age							
≤ 24	7 (15.6)	38 (84.4)	15 (33.3)	30 (66.7)	20 (52.6)	18 (47.4)	1
25-44	12 (12.9)	81 (87.1)	17 (21.0)	64 (79.0)	30 (41.7)	42 (58.3)	1.85 (0.78, 4.37)
45-64	27 (12.2)	194 (87.8)	44 (20.7)	169 (79.3)	79 (39.1)	123 (60.9)	1.88 (0.88, 4.04)
≥65	9 (14.3)	54 (85.7)	16 (24.2)	50 (75.8)	29 (46.8)	33 (53.2)	1.26 (0.51, 3.09)
Mean (SD) pre-injury HADS depression score	1.95 (3.16)	1.45 (2.40)	1.42 (2.60)	1.44 (2.24)	1.58 (2.56)	1.31 (2.04)	0.95 (0.87, 1.05)†
Median (IQR)	0 (0,3)	0 (0,2)	0 (0,2)	0 (0,2)	0 (0,2)	0 (0,2)	
Mean (SD) pre-injury HADS anxiety score	2.67 (3.23)	3.10 (3.59)	2.77 (3.18)	2.87 (3.33)	2.78 (3.14)	2.91 (3.37)	1.03 (0.96, 1.11)†
Median (IQR)	1 (0,5)	2 (0,5)	2 (0, 4.5)	2 (0,5)	2 (0,5)	2 (0,5)	
Mean (SD) pre-injury AUDIT score	4.17 (4.84)	4.56 (4.35)	4.07 (3.83)	4.53 (4.55)	4.47 (4.14)	4.43 (4.10)	1.01 (0.96, 1.07) †
Median (IQR)	3 (2,5)	4 (1,6)	3 (1,5)	4 (1,6)	4 (2,5)	3 (1,6)	

Mean (SD) pre-injury DAST score	0.20 (0.89)	0.09 (0.48)	0.04 (0.25)	0.08 (0.42)	0.04 (0.26)	0.09 (0.45)	1.02 (0.62, 1.68) †
Median (IQR)	0 (0,0)	0 (0,0)	0 (0,0)	0 (0,0)	0 (0,0)	0 (0,0)	
Number of psychiatric morbidities							
0	45 (12.6)	313 (87.4)	81 (23.3)	266 (76.7)	141 (44.2)	178 (55.8)	1
1	6 (14.3)	36 (85.7)	8 (21.1)	30 (79.0)	13 (36.1)	23 (63.9)	1.30 (0.57, 2.93)
≥2	4 (18.2)	18 (81.8)	3 (15.0)	17 (85.0)	4 (21.1)	15 (79.0)	2.05 (0.63, 6.62)
Longstanding illness							
No	29 (9.2)	285 (90.8)	59 (19.5)	243 (80.5)	114 (40.7)	166 (59.3)	1
Yes	25 (23.8)	80 (76.2)	32 (31.7)	69 (68.3)	43 (46.7)	49 (53.3)	0.42 (0.25, 0.73)
Work status							
Paid employment	25 (10.2)	220 (89.8)	55 (23.3)	181 (76.7)	89 (40.6)	130 (59.4)	1
Unable to work due to illness/disability	8 (42.1)	11 (57.9)	6 (30.0)	14 (70)	10 (66.7)	5 (33.3)	0.27 (0.09, 0.81)
Unemployed	1 (7.1)	13 (92.9)	1 (9.1)	10 (90.9)	1 (14.3)	6 (85.7)	4.78 (0.75, 30.49)
At home and not looking for work	2 (22.2)	7 (77.8)	2 (20.0)	8 (80.0)	5 (50.0)	5 (50.0)	0.45 (0.10, 1.98)
Retired	14 (14.4)	83 (85.6)	22 (23.4)	72 (76.6)	41 (45.6)	49 (54.4)	0.78 (0.44, 1.40)
Other	5 (14.7)	29 (85.3)	6 (20.0)	24 (80.0)	10 (34.5)	19 (65.5)	1.10 (0.44, 2.77)
Ethnic group							
White	54 (13.3)	352 (86.7)	90 (23.0)	301 (77.0)	153 (42.3)	209 (57.7)	1
Black or ethnic minority group	1(7.1)	13 (92.9)	2 (16.7)	10 (83.3)	4 (40.0)	6 (60.0)	1.50 (0.36, 6.20)
Deprivation (IMD quintiles)							
Least	10 (11.0)	81 (89.0)	20 (22.5)	69 (77.5)	44 (50.6)	43 (49.4)	1
2	16 (17.4)	76 (82.6)	16 (18.4)	71 (81.6)	35 (42.2)	48 (57.8)	1.24 (0.61, 2.52)
3	9 (11.4)	70 (88.6)	18 (24.0)	57 (76.0)	29 (39.7)	44 (60.3)	1.38 (0.66, 2.90)
4	8 (9.9)	73 (90.1)	18 (24.3)	56 (75.7)	30 (43.5)	39 (56.5)	1.36 (0.65, 2.86)
Most	10 (13.9)	62 (86.1)	16 (21.9)	57 (78.1)	15 (28.3)	38 (71.7)	1.94 (0.89, 4.25)
Marital status							

Single	14 (13.2)	92 (86.8)	23 (24.2)	72 (75.8)	35 (44.3)	44 (55.7)	1
Married/partnership	30 (12.5)	210 (87.5)	52 (21.9)	185 (78.1)	97 (41.6)	136 (58.4)	1.02 (0.57, 1.81)
Divorced/widowed	11 (14.7)	64 (85.3)	17 (23.9)	54 (76.1)	26 (43.3)	34 (56.7)	1.01 (0.48, 2.16)
Mean (SD) nights in hospital	6.28 (5.28)	7.63 (6.26)	6.10 (4.91)	7.80 (6.36)	6.81 (5.84)	7.71 (6.31)	1.06 (1.01, 1.11) †
Median (IQR)	5 (3,8)	6 (4,10)	5 (3,8)	6 (4,10)	5.5 (3, 8)	6 (3,10)	
Injury severity							
Minor	6 (31.6)	13 (68.4)	13 (65.0)	7 (35.0)	12 (80.0)	3 (20.0)	1
Moderate	40 (13.0)	268 (87.0)	60 (20.8)	228 (79.2)	114 (42.5)	154 (57.5)	7.34 (2.54, 21.25)
Serious	9 (9.6)	85 (90.4)	19 (19.8)	77 (80.2)	32 (35.6)	58 (64.4)	9.80 (3.12, 30.79)
Number of injuries							
1	29 (14.7)	168 (85.3)	48 (25.7)	139 (74.3)	84 (46.4)	97 (53.6)	1
2	10 (7.5)	124 (92.5)	22 (17.1)	107 (83.0)	43 (39.5)	66 (60.6)	1.93 (1.10, 3.38)
≥3	16 (17.6)	75 (82.4)	22 (24.7)	67 (75.3)	31 (36.9)	53 (63.1)	1.26 (0.68, 2.31)
Body part injured							
Other	9 (29.0)	22 (71.0)	16 (47.1)	18 (52.9)	18 (58.1)	13 (41.9)	1
Upper limb	21 (28.4)	53 (71.6)	27 (39.1)	42 (60.9)	33 (51.6)	31 (48.4)	1.38 (0.56, 3.39)
Lower limb	21 (7.6)	256 (92.4)	40 (15.4)	219 (84.6)	93 (38.9)	146 (61.1)	4.98 (2.21, 11.18)
Upper and lower limb	4 (10.0)	36 (90.0)	9 (20.9)	34 (79.1)	14 (35.0)	26 (65.0)	4.33 (1.52, 12.28)
Injury mechanism							
Other	1 (7.7)	12 (92.3)	3 (25.0)	9 (75.0)	5 (45.5)	6 (54.6)	1
Falls	39 (13.7)	246 (86.3)	54 (20.0)	216 (80.0)	109 (43.6)	141 (56.4)	0.99 (0.24, 4.01)
Traffic	7 (8.9)	72 (91.1)	17 (21.3)	63 (78.8)	22 (29.7)	52 (70.3)	1.59 (0.36, 6.98)
Struck	1 (4.0)	24 (96.0)	6 (26.1)	17 (73.9)	12 (50.0)	12 (50.0)	0.83 (0.16, 4.40)
Penetrating	6 (50.0)	6 (50.0)	8 (66.7)	4 (33.3)	5 (62.5)	3 (37.5)	0.10 (0.01, 0.70)
Exertion	1 (12.5)	7 (87.5)	4 (50.0)	4 (50.0)	5 (71.4)	2 (28.6)	0.28 (0.04, 2.24)
Place of injury							
Other	7 (9.6)	66 (90.4)	14 (22.2)	49 (77.8)	29 (46.8)	33 (53.2)	1
Home	18 (20.0)	72 (80.0)	20 (25.0)	60 (75.0)	40 (50.6)	39 (49.4)	0.61 (0.28, 1.33)
Work	1 (2.9)	34 (97.1)	8 (20.5)	31 (79.5)	9 (27.3)	24 (72.7)	1.84 (0.66, 5.13)
Road	16 (13.5)	103 (86.6)	26 (21.1)	97 (78.9)	41 (37.6)	68 (62.4)	1.12 (0.54, 2.33)

Countryside	5 (9.6)	47 (90.4)	12 (22.6)	41 (77.4)	16 (32.7)	33 (67.4)	1.31 (0.53, 3.23)
Sports facilities	8 (15.4)	44 (84.6)	11 (23.9)	35 (76.1)	22 (53.7)	19 (46.3)	0.74 (0.30, 1.78)

Pre-injury scores measured retrospectively at recruitment to study

HADS=Hospital Anxiety and Depression Scale [1]. AUDIT=Alcohol Use Disorder Identification Test [3]. DAST=Drug Abuse Screening Test [4]. † Odds ratio is per unit increase in score

Online table 4. Minimal important difference in EQ-5D over time, by psychological measures, pain, social and legal factors measured at one month post-injury and univariate odds ratios (row % at each time point unless specified otherwise)

One month post-injury measures	Reduction in EQ-5D between pre-injury and 2 month values		Reduction in EQ-5D between pre-injury and 4 month values		Reduction in EQ-5D between pre-injury and 12 month values		Univariate odds ratio (95%CI)
	<0.074 (n=55)	≥ 0.074 (n=367)	<0.074 (n=92)	≥ 0.074 (n=313)	<0.074 (n=158)	≥ 0.074 (n=216)	
Quintiles of HADS depression score (range)* 1 (0-2) 2 (2.3-4) 3 (5-6) 4 (7-10) 5 (11-21)	26 (27.1) 9 (10.1) 7 (9.9) 8 (8.1) 4 (6.1)	70 (72.9) 80 (89.9) 64 (90.1) 91 (91.9) 62 (93.9)	38 (42.2) 17 (19.3) 15 (23.1) 14 (14.3) 8 (12.7)	52 (57.8) 71 (80.7) 50 (76.9) 84 (85.7) 55 (87.3)	54 (65.9) 36 (42.9) 29 (47.5) 23 (25.8) 16 (27.6)	28 (34.2) 48 (57.1) 32 (52.5) 66 (74.2) 42 (72.4)	1 3.54 (1.83, 6.84) 3.11 (1.55, 6.25) 7.49 (3.73, 15.05) 8.09 (3.64, 17.97)
HADS anxiety score Mean (SD) Median (IQR)	3.44 (3.66) 3 (1,4)	6.06 (4.37) 6 (2,9)	3.96 (3.69) 3 (1,6)	6.17 (4.45) 5 (3,9)	4.20 (3.81) 3 (1,6)	6.67 (4.47) 6 (3,10)	1.21 (1.14, 1.28)†
IES avoidance score Mean (SD) Median (IQR)	6.03 (9.02) 1 (0,8)	8.06 (9.11) 5 (0,13)	6.31 (8.65) 3 (0,10)	7.85 (8.91) 5 (0,13)	5.72 (7.71) 3 (0,9)	8.32 (9.22) 5 (0,13)	1.04 (1.02, 1.07)†
IES intrusion score Mean (SD) Median (IQR)	6.04 (7.65) 3 (0,7)	8.67 (8.96) 6 (1,14)	6.18 (7.62) 3 (0,9)	8.57 (8.79) 6 (1,14)	6.27 (7.58) 3 (0,10)	9.11 (9.02) 7 (1,15)	1.06 (1.03, 1.09)†
AUDIT score Mean (SD) Median (IQR)	3.44 (4.60) 2 (0,4)	3.15 (4.02) 2 (0,4)	3.25 (4.31) 2 (0,4)	3.15 (4.30) 2 (0,4)	3.54 (4.22) 3 (1,4)	2.88 (3.79) 1.5 (0,4)	0.97 (0.92, 1.03)†
DAST score Mean (SD) Median (IQR)	0.13 (0.52) 0 (0,0)	0.06 (0.35) 0 (0,0)	0.04 (0.26) 0 (0,0)	0.05 (0.32) 0 (0,0)	0.04 (0.29) 0 (0,0)	0.04 (0.33) 0 (0,0)	0.80 (0.41, 1.56)†

Quintiles of pain VAS (range)*							
1 (0-8)	23 (26.1)	65 (73.9)	33 (37.1)	56 (62.9)	49 (63.6)	28 (36.4)	1
2 (9-20)	10 (11.5)	77 (88.5)	18 (20.9)	68 (79.1)	42 (48.8)	44 (51.2)	2.63 (1.34, 5.15)
3 (21-33)	6 (7.1)	78 (92.9)	17 (21.5)	62 (78.5)	28 (38.4)	45 (61.6)	4.08 (2.00, 8.33)
4 (34-51)	6 (7.5)	74 (92.5)	11 (14.3)	66 (85.7)	19 (26.8)	52 (73.2)	6.62 (3.11, 14.12)
5 (52-91)	9 (11.3)	71 (88.8)	12 (17.1)	58 (82.9)	19 (29.7)	45 (70.3)	5.36 (2.52, 11.40)
SFQ score							
Mean (SD)	6.13 (3.42)	7.72 (3.55)	5.76 (3.25)	7.88 (3.75)	6.24 (3.19)	8.26 (3.65)	1.25 (1.16, 1.35)†
Median (IQR)	5 (4,9)	7 (5,10)	5 (4,8)	7 (5,10)	6 (4,8)	8 (6,10)	
CSS score							
Mean (SD)	33.04 (6.04)	32.04 (5.97)	33.12 (5.57)	31.95 (6.20)	33.61 (5.41)	31.31 (6.55)	0.94 (0.90, 0.98)†
Median (IQR)	35 (30,37)	33 (28,36)	35 (30.5, 36)	34 (28, 36)	35 (31, 37)	32.5 (27, 36)	
CIOP score							
Mean (SD)	17.57 (7.48)	19.97 (6.28)	17.89 (6.92)	19.92 (6.37)	18.83 (6.66)	20.19 (6.51)	1.06 (1.02, 1.10)†
Median (IQR)	20 (10, 23)	21.5 (16, 24)	20 (12.5, 23)	21 (17,24)	20 (14, 24)	22 (17, 25)	
CION score							
Mean (SD)	8.99 (4.83)	10.12 (4.91)	8.51 (4.56)	10.34 (5.26)	8.83 (4.42)	10.85 (5.52)	1.11 (1.05, 1.16)†
Median (IQR)	7 (5,11)	9 (5,13)	6.13 (5,11)	9 (5,13)	8 (5,11)	10 (5,14)	
Life events in 1st month after injury							
No	46 (13.0)	309 (87.0)	79 (23.2)	262 (76.8)	138 (44.1)	175 (55.9)	1
Yes	8 (13.6)	51 (86.4)	11 (20.8)	42 (79.3)	15 (29.4)	36 (70.6)	1.58 (0.77, 3.25)
Seeking compensation							
No	48 (15.2)	268 (84.8)	73 (23.9)	232 (76.1)	126 (45.0)	154 (55.0)	1
Yes	4 (5.0)	76 (95.0)	12 (15.4)	66 (84.6)	24 (34.3)	46 (65.7)	2.23 (1.16, 4.29)
Involved in litigation							
No	51 (14.2)	309 (85.8)	84 (24.4)	261 (75.7)	145 (45.2)	176 (54.8)	1
Yes	4 (6.9)	54 (93.1)	8 (14.3)	48 (85.7)	12 (24.0)	38 (76.0)	3.14 (1.45, 6.82)

*non-linear relationship with MID reduction in EQ-5D. HADS=Hospital Anxiety and Depression Scale [1]. IES=Impact of Event Scale [2]. AUDIT=Alcohol Use Disorder Identification Test [3]. DAST=Drug Abuse Screening Test [4]. VAS=visual analogue scale [5]. SFQ=Social functioning Questionnaire [6]. CSS=Crisis Support Scale [7]. CIOP=Change in Outlook Questionnaire (positive changes) [8]. CION=Change in Outlook Questionnaire (negative changes [8]). † Odds ratio is per unit increase in score

Online table 5. Relationship between depression and post-traumatic distress symptoms at one month post-injury (row percentage)

Meets case definition for depression and/or anxiety (HADS score)	Post-traumatic distress (IES scores)			
	Sub-clinical (≤ 8)	Mild (9-25)	Moderate (26-43)	Severe (≥ 44)
Non-case (score < 8)	195 (65.4)	79 (26.5)	20 (6.7)	4 (1.3)
Borderline or case (score ≥ 8)	39 (18.5)	71 (33.7)	62 (29.4)	39 (18.5)

HADS= Hospital Anxiety and Depression Scale [1]. IES = impact of Event Scale [2]

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