



Supplementary Figure 1. Flow diagram of patients included in the study.

Supplementary Table 1: Description of recovery levels on the Glasgow Outcome Scale-Extended

	Glasgow Outcome Scale-Extended	Domain	Criteria
Dead	1) Dead	-	-
Vegetative state	2) Vegetative state	-	-
Conscious but dependent	3) Lower severe disability	Function in home	Unable to look after themselves for 8 hours
	4) Upper severe disability	Function in home Function outside the home	Unable to look after themselves for 24 hours OR Unable to shop OR Unable to travel
Independent but with limitations in one or more major roles	5) Lower moderate disability	Work/ study Social & leisure activities Family & friendships	Unable to work/ study OR Unable to participate OR Constant problems
	6) Upper moderate disability	Work/ study Social & leisure activities Family & friendships	Reduced work/ study capacity OR Participate much less OR Frequent problems
Return to normal life	7) Lower good recovery	Social & leisure activities Family & friendships	Participate a bit less OR Occasional problems OR Some symptoms affecting daily life
	8) Upper good recovery		Complete recovery - No problems reported

Supplementary Table 2: *Mode of assessment and respondent for the six-month Glasgow Outcome Scale -Extended (N=2075)*

Mode of assessment		
Interview (face to face)	1457	(70%)
Interview (telephone)	189	(9%)
Questionnaire	404	(20%)
Missing/ Unknown	25	(1%)
Respondent		
Patient alone	1859	(90%)
Relative/friend/carer alone	21	(1%)
Patient and relative/friend/carer together	170	(8%)
Missing/ Unknown	25	(1%)

Supplementary Table 3. Completion of six-month SF-12 and QOLIBRI-OS in 2583 patients followed-up on the Glasgow Outcome Scale -Extended at six months post-injury

Overall (N=2583)						
Scale/GOSE	3	4	5	6	7	8
	(N=118)	(N=135)	(N=279)	(N=337)	(N=574)	(N=1140)
SF-12	65%	79%	80%	89%	85%	75%
QOLIBRI-OS	60%	79%	80%	89%	84%	75%
Mild TBI (N=2014)						
Scale/GOSE	3	4	5	6	7	8
	(N=53)	(N=72)	(N=148)	(N=230)	(N=479)	(N=1032)
SF-12	66%	81%	78%	87%	87%	74%
QOLIBRI-OS	58%	79%	78%	88%	86%	74%
Moderate severe TBI (N=569)						
Scale/GOSE	3	4	5	6	7	8
	(N=65)	(N=63)	(N=131)	(N=107)	(N=95)	(N=108)
SF-12	65%	78%	82%	92%	78%	82%
QOLIBRI-OS	61%	79%	82%	92%	76%	81%

Supplementary Table 4: Mean scores and 95% CI's for the SF-12 MCS, PCS and QOLIBRI-OS total scores and domain scores six months post-injury by Glasgow Outcome Scale -Extended for patients with mild versus moderate and severe TBI

Scale/GOSE	Mild TBI (N=1609)						Scale/GOSE	Moderate/Severe TBI (N=466)				
	3 (N=33)	4 (N=45)	5 (N=84)	6 (N=145)	7 (N=314)	8 (N=571)		3 (N=42)	4 (N=51)	5 (N=109)	6 (N=100)	7 (N=74)
MCS	42 (38,47)	44 (41,47)	38 (36,40)	43 (42,45)	46 (45,47)	53 (52,53)	MCS	41 (37,46)	42 (39,45)	45 (43,47)	46 (44,48)	47 (45,50)
PCS	33 (30,36)	35 (32,38)	38 (36,40)	42 (41,43)	46 (46,47)	51 (50,51)	PCS	32 (29,35)	38 (35,41)	42 (40,43)	45 (43,47)	47 (45,49)
Physical functioning	32 (28,36)	39 (36,42)	38 (36,40)	43 (42,45)	48 (47,49)	52 (51,52)	Physical functioning	27 (25,30)	36 (32,40)	46 (43,48)	46 (44,48)	50 (48,52)
Role physical	31 (27,36)	38 (35,41)	35 (33,37)	38 (37,39)	45 (44,46)	51 (51,52)	Role physical	27 (24,30)	31 (28,43)	38 (35,40)	40 (38,41)	48 (46,49)
Bodily pain	38 (34,43)	41 (38,44)	36 (34,38)	42 (41,44)	45 (44,46)	52 (51,53)	Bodily pain	43 (39,46)	38 (35,41)	43 (41,46)	46 (44,48)	49 (46,51)
General health	32 (29,35)	39 (36,41)	35 (33,36)	40 (38,41)	43 (42,44)	49 (48,50)	General health	32 (29,36)	36 (32,39)	41 (39,43)	44 (42,45)	46 (44,48)
Vitality	44 (40,48)	46 (43,49)	44 (42,45)	46 (44,47)	50 (49,50)	55 (54,56)	Vitality	43 (39,46)	44 (41,47)	47 (45,48)	49 (47,51)	52 (50,54)
Social functioning	38 (33,43)	40 (37,43)	36 (34,38)	40 (38,41)	46 (46,47)	52 (51,52)	Social functioning	32 (28,37)	36 (33,38)	41 (39,42)	42 (40,45)	48 (46,50)

Role	37	38	34	38	44	50	Role	28	31	39	42	47
emotional	(32,41)	(35,42)	(32,36)	(36,39)	(42,45)	(49,51)	emotional	(24,33)	(28,35)	(37,42)	(40,44)	(45,49)
Mental health	42	47	42	44	48	54	Mental health	42	41	48	49	50
	(38,47)	(44,50)	(40,44)	(42,45)	(47,49)	(54,55)		(38,46)	(39,43)	(46,50)	(47,50)	(48,52)
QOLIBRI-OS	45	54	48	60	68	79	QOLIBRI-OS	48	52	59	69	69
	(37,54)	(48,60)	(44,52)	(58,63)	(66,69)	(78,80)		(43,54)	(45,59)	(55,63)	(66,72)	(66,73)
Physical condition	3 (2,3)	3 (3,3)	3 (3,3)	3 (3,3)	4 (3,4)	4 (4,4)	Physical condition	3 (2,3)	3 (3,3)	3 (3,4)	4 (3,4)	4 (3,4)
How is your brain working	3 (3,3)	3 (3,4)	3 (3,3)	3 (3,4)	4 (3,4)	4 (4,4)	How is your brain working	3 (3,3)	3 (3,3)	3 (3,3)	4 (3,4)	4 (3,4)
Feelings and emotions	3 (3,4)	3 (3,4)	3 (3,3)	3 (3,4)	4 (3,4)	4 (4,4)	Feelings and emotions	3 (3,4)	3 (3,3)	4 (3,4)	4 (4,4)	4 (3,4)
Day to day activities	3 (2,3)	3 (3,3)	3 (3,3)	4 (3,4)	4 (4,4)	4 (4,4)	Day to day activities	2 (2,3)	3 (3,3)	3 (3,4)	4 (4,4)	4 (4,4)
Social life	3 (2,3)	3 (3,4)	3 (3,3)	4 (3,4)	4 (4,4)	4 (4,4)	Social life	3 (3,3)	3 (3,4)	4 (3,4)	4 (4,4)	4 (4,4)
Current situation & future prospects	3 (2,3)	3 (3,3)	3 (2,3)	3 (3,4)	4 (3,4)	4 (4,4)	Current situation & future prospects	3 (3,3)	3 (3,3)	3 (3,3)	4 (4,4)	4 (3,4)

Supplementary Table 5: Number and percentage of patients with high satisfaction with social support at six months post-injury by Glasgow Outcome Scale -Extended

Mild TBI (N=1609)						
High satisfaction with Social support	3	4	5	6	7	8
	(35)	(58)	(116)	(203)	(417)	(780)
General	28 (90)	39 (70)	85 (73)	166 (82)	347 (84)	682 (91)
Missing	4	2	0	1	6	30
Hospital	23 (79)	42 (75)	98 (85)	174 (87)	360 (87)	689 (92)
Missing	6	2	1	4	5	33
Rehabilitation	24 (80)	37 (70)	75 (67)	140 (73)	282 (73)	550 (84)
Missing	5	5	4	10	32	123
High satisfaction with Social support	3	4	5	6	7	8
	(42)	(51)	(109)	(100)	(74)	(90)
Moderate/Severe TBI (N=466)						
General	35 (88)	44 (90)	89 (84)	91 (92)	65 (90)	84 (96)
Missing	2	2	3	1	2	2
Hospital	37 (95)	45 (96)	90 (86)	91 (97)	67 (94)	84 (96)
Missing	3	4	4	6	3	2
Rehabilitation	35 (88)	40 (83)	79 (75)	77 (79)	59 (82)	75 (89)
Missing	2	3	3	3	2	6

Supplementary Table 6: Number and percentages of patients who used rehabilitation services at six months post-injury by Glasgow Outcome Scale -Extended

Mild TBI (N=1609)						
Rehabilitation services used	3	4	5	6	7	8
	(N=35)	(N=58)	(N=116)	(N=203)	(N=417)	(N=780)
Yes	21 (68)	27 (49)	53 (46)	76 (38)	97 (24)	97 (13)
No	10 (32)	28 (51)	62 (54)	125 (62)	314 (76)	655 (87)
Missing	4	3	1	2	6	28
Moderate/Severe TBI (N=466)						
Rehabilitation services used	3	4	5	6	7	8
	(N=42)	(N=51)	(N=109)	(N=100)	(N=74)	(N=90)
Yes	35 (95)	47 (96)	98 (91)	79 (81)	51 (71)	46 (52)
No	2 (5)	2 (4)	10 (9)	19 (19)	21 (29)	42 (48)
Missing	5	2	1	2	2	2