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PTC .											. 55

#### Results with 75% confidence level

#### Outcomes in all patients during the entire study period, by treatment arm

Outcome	ATLS, $N = 44$	$\mathrm{PTC},\mathrm{N}=130$	Standard care, $N=202$
30 day mortality			
Yes	2.5 (0, 7.1)	7.3(4.5, 10)	13 (9, 15)
No	98 (92, 100)	93 (89, 95)	87 (83, 89)
Missing	4(2, 6)	20 (14, 24)	29(22, 34)
24 hour mortality			
Yes			0.5 (0, 0.6)
No			99 (98, 98)
Missing	4(2, 6)	13 (9, 17)	7(4, 9.21)
In-hospital mortality			
Yes	2.3 (0, 6.3)	5.4 (3.2, 7.8)	11 (8.2, 13)
No	98 (91, 100)	95 (92, 97)	90 (87, 92)
Missing	1 (0, 1)		2(0,3)
Self-ambulatory at discharge			
Yes	97 (86.68, 97)	97 (94, 98)	98 (95, 98)
No	2.8 (0, 7.44)	3.4 (1.7, 5.9)	$2.3\ (1.1,\ 4)$
Missing	8(5, 11)	11 (7, 14)	26 (19, 31)
Return to work			
Yes	64 (50, 73)	72 (66, 76)	51 (46, 56)
No	36 (25, 48)	28 (22, 32)	49 (42, 52)
Missing	19(13, 23)	$31\ (24,\ 36.5)$	68 (58, 75.79)
Pulmonary complication			
Yes		0.9 (0, 1.8)	
No		99 (95, 99)	
Missing	11 (7, 14)	$21\ (15,\ 26)$	35 (28, 41)
Septic complication			
Yes		3.7 (1.87, 5.9)	1.2 (0.5, 2.2)
No		96 (92, 97)	99 (96, 99)
Missing	11 (7, 14)	22 (16, 27)	34 (27, 40)
Renal failure			
Yes			
No			
Missing	10 (6, 13)	$21\ (15,\ 26)$	33 (26, 38)
Coagulopathy			
Yes	3(0, 8.8)		
No	97 (86.53, 97)		
Missing	11 (7, 14)	22(16, 27)	33 (26, 38)
Need for reexploration or resurgery			
Yes		1.8(0, 3.5)	1.9(0.7, 3.5)
No		98 (94, 98)	98 (94.15, 98)
Missing	10 (6, 13)	20 (14, 25)	43 (35, 50)
Failure of conservative management			
No	94 (85, 97)	98 (94, 98)	99 (96, 99)
Yes	$6.5\ (2.9,\ 14)$	$1.9\ (0.9,\ 3.9)$	1.3(0,2.5)
Missing	13 (9, 17)	23 (17, 27)	46 (37, 53)
EQ-5D mobility at discharge			
I have no problems in walking	80 (69, 87)	88 (82, 90)	62 (57, 66)
I have some problems in walking	10 (4.5, 18)	7.9 (5.5, 12)	18 (14, 21)
I am confined to bed	10 (4, 18)	4 (2.1, 6.98)	20 (16, 23)
Missing	14 (10, 18)	29 (22, 34)	45 (37, 52)
EQ-5D self-care at discharge			
I have no problems with self-care	63 (50, 71)	83 (77, 86)	52 (46, 55)
I have some problems bathing or dressing myself	13 (5.7, 21)	9.9 (6.6, 14)	27 (22, 30)
I am unable to bathe or dress myself	23 (13, 31)	6.9 (4.5, 10)	21 (16, 24)
Missing	14 (10, 18)	29 (22, 34)	45 (37, 52)
EQ-5D usual activities at discharge			
I have no problems in performing my usual activities	57 (46, 67)	81 (75, 84)	48 (42, 51)
I have some problems in performing my usual activities	23 (13, 32)	11 (7, 14)	36 (31, 40)
I am unable to perform my usual activities	20 (11, 29)	7.9 (5, 11)	16 (12, 18)
Missing	14 (10, 18)	29 (22, 34)	45 (37, 52)
EQ-5D pain/discomfort at discharge	( - / - /	( ) - /	(,-,
I have no pain or discomfort	43 (31.94, 53)	52 (45, 56)	27 (22, 30)
	57 (44, 66)	44 (38, 49)	36 (31, 40)
I have moderate pain or discomfort		()	(,)
I have moderate pain or discomfort I have extreme pain or discomfort	( ) )	4 (2.1. 6.9)	36 (31, 39)
I have moderate pain or discomfort I have extreme pain or discomfort Missing	14 (10, 18)	4 (2.1, 6.9) 29 (22, 34)	36 (31, 39) 45 (37, 52)

I am moderately anxious or depressed   30 (19, 38)   13 (8, 9, 16)   9.6 (7.38, 13)   13 (am extremely anxious or depressed   1 (0, 2, 2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.9 (0.6, 3.2)   1.0 (1.2, 3.2)	I am not anxious or depressed	70 (59, 79)	86 (80, 89)	89 (85, 91)
Missing	I am moderately anxious or depressed	30 (19, 38)	13 (8.9, 16)	9.6 (7.38, 13)
Part	I am extremely anxious or depressed		1(0, 2.2)	1.9 (0.6, 3.2)
These no problems in walking	Missing	14 (10, 18)	29 (22, 34)	45 (37, 52)
I have some problems in walking	EQ-5D mobility at 30 day follow-up			
Ram confined to bed   3.8 (0, 11)   2 (0.9, 4)   9.8 (7.1, 13)     Missing   18 (13, 22)   29 (23, 34)   69 (59, 77)     FeQ-5D self-care at 30 day follow-up     I have no problems with self-care   81 (68, 87)   94 (89, 95)   77 (71, 80)     I have some problems bathing or dressing myself   12 (5.3, 21)   2 (0.9, 4.1)   13 (9.2, 16)     I am unable to bathe or dress myself   7.7 (3.4, 16)   4 (2.1, 6.9)   9.8 (7.1, 13)     Missing   18 (13, 22)   29 (23, 34)   69 (59, 77)     FeQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   81 (69, 88)   93 (88, 95)   79 (73, 82)     I have some problems in performing my usual activities   12 (5.9, 21)   3 (1.1, 5.5)   14 (10, 17)     I am unable to perform my usual activities   12 (5.9, 21)   3 (1.1, 5.5)   14 (10, 17)     I am unable to perform my usual activities   18 (13, 22)   29 (23, 34)   69 (59, 77)     FeQ-5D pain/discomfort at 30 day follow-up     I have moderate pain or discomfort   77 (65, 85)   82 (76, 85)   78 (72, 81)     I have moderate pain or discomfort   23 (13, 33)   17 (12, 20)   20 (15, 23)     I have extreme pain or discomfort   18 (13, 22)   29 (23, 34)   69 (59, 77)     FeQ-5D anxiety/depression at 30 day follow-up   18 (13, 22)   29 (23, 34)   69 (59, 77)     FeQ-5D anxiety/depression at 30 day follow-up   18 (13, 22)   29 (23, 34)   69 (59, 77)     Feq-5D anxiety/depressed   88 (75.79, 93)   92 (87, 94)   95 (90, 95)     I am moderately anxious or depressed   88 (75.79, 93)   92 (87, 94)   95 (90, 95)     I am extremely anxious or depressed   12 (5.9, 21)   6.9 (4.4, 11)   3.8 (2.2, 6.3)     I am extremely anxious or depressed   12 (5.9, 21)   6.9 (4.4, 11)   3.8 (2.2, 6.3)     I am extremely anxious or depressed   18 (13, 22)   29 (23, 34)   69 (59, 77)    Patient satisfaction   18 (13, 22)   19 (13, 23)   19 (16 (12, 18)     Somewhat dissatisfied   2.6 (0, 6.7)   1.7 (0.8, 3.4)   9 (6.6, 12)     Very dissatisfied   2.6 (0, 6.7)   1.7 (0.8, 3.4)   9 (6.6, 12)     Very dissatisfied   2.6 (0, 6.7)	I have no problems in walking	77(65, 85)	95 (90, 96)	74 (68, 77)
Missing   18 (13, 22)   29 (23, 34)   69 (59, 77)	I have some problems in walking	19 (11, 29)	3(1.8, 5.9)	16 (12, 19)
Feq-5D self-care at 30 day follow-up	I am confined to bed	3.8 (0, 11)	2(0.9, 4)	9.8 (7.1, 13)
I have no problems with self-care	Missing	18 (13, 22)	29 (23, 34)	69 (59, 77)
I have some problems bathing or dressing myself   12 (5.3, 21)   2 (0.9, 4.1)   13 (9.2, 16)   I am unable to bathe or dress myself   7.7 (3.4, 16)   4 (2.1, 6.9)   9.8 (7.1, 13)   I am unable to bathe or dress myself   7.7 (3.4, 16)   4 (2.1, 6.9)   9.8 (7.1, 13)   I am unable to bathe or dress myself   18 (13, 22)   29 (23, 34)   69 (59, 77)	EQ-5D self-care at 30 day follow-up			
I am unable to bathe or dress myself   7.7 (3.4, 16)   4 (2.1, 6.9)   9.8 (7.1, 13)	I have no problems with self-care	81 (68, 87)	94 (89, 95)	77 (71, 80)
Missing         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D usual activities at 30 day follow-up         I have no problems in performing my usual activities         81 (69, 88)         93 (88, 95)         79 (73, 82)           I have some problems in performing my usual activities         12 (5.9, 21)         3 (1.1, 5.5)         14 (10, 17)           I am unable to perform my usual activities         7.7 (3.4, 16)         4 (2.1, 6.9)         7.5 (5.2, 11)           Missing         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D pain/discomfort at 30 day follow-up         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D pain/discomfort         77 (65, 85)         82 (76, 85)         78 (72, 81)           I have moderate pain or discomfort         23 (13, 33)         17 (12, 20)         20 (15, 23)           I have moderate pain or discomfort         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D anxiety/depression at 30 day follow-up         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D anxiety/depression at 30 day follow-up         18 (13, 22)         29 (23, 34)         69 (59, 77)           I am not anxious or depressed         88 (75.79, 93)         92 (87, 94)         95 (90, 95)           I am moderately anxious or depressed         18	I have some problems bathing or dressing myself	12 (5.3, 21)	2(0.9, 4.1)	13 (9.2, 16)
Page 25D usual activities at 30 day follow-up   1 have no problems in performing my usual activities   81 (69, 88)   93 (88, 95)   79 (73, 82)   1 have some problems in performing my usual activities   12 (5.9, 21)   3 (1.1, 5.5)   14 (10, 17)   1 am unable to perform my usual activities   7.7 (3.4, 16)   4 (2.1, 6.9)   7.5 (5.2, 11)   Missing   18 (13, 22)   29 (23, 34)   69 (59, 77)   1 (10, 2.1)   1	I am unable to bathe or dress myself	7.7(3.4, 16)	4(2.1, 6.9)	9.8 (7.1, 13)
I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I and (13, 22) 29 (23, 34) I am (20, 21) I am extreme pain or discomfort I (0, 2.1) I am cot maxicus or depressed I (0, 2.1) I am not anxicus or depressed I (0, 2.1) I am not anxicus or depressed I (0, 2.1) I am extremely anxicus or depressed I am moderately anxicus or depressed I am extremely anxicus or depressed I am moderately anxicus or depressed I am extremely anxicus	Missing	18 (13, 22)	29 (23, 34)	69 (59, 77)
I have some problems in performing my usual activities	EQ-5D usual activities at 30 day follow-up			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	I have no problems in performing my usual activities	81 (69, 88)	93 (88, 95)	79 (73, 82)
Missing         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D pain/discomfort at 30 day follow-up         To (65, 85)         82 (76, 85)         78 (72, 81)           I have moderate pain or discomfort         23 (13, 33)         17 (12, 20)         20 (15, 23)           I have extreme pain or discomfort         1 (0, 2.1)         1.5 (0.7, 3)           Missing         18 (13, 22)         29 (23, 34)         69 (59, 77)           EQ-5D anxiety/depression at 30 day follow-up         1 (0, 2.1)         1.5 (0.7, 3)           I am not anxious or depressed         88 (75.79, 93)         92 (87, 94)         95 (90, 95)           I am moderately anxious or depressed         12 (5.9, 21)         6.9 (4.4, 11)         3.8 (2.2, 6.3)           I am extremely anxious or depressed         18 (13, 22)         29 (23, 34)         69 (59, 77)           Patient satisfaction         18 (13, 22)         29 (23, 34)         69 (59, 77)           Patient satisfied         74 (65, 81)         85 (80, 88)         69 (64, 71)           Somewhat satisfied         21 (13, 27.1)         9.9 (6.7, 13)         16 (12, 18)           Somewhat dissatisfied         2.6 (0, 6.7)         1.7 (0.8, 3.4)         9 (6.6, 12)           Very dissatisfied         2.6 (0, 7.5)         3.3 (1.7,	I have some problems in performing my usual activities	12 (5.9, 21)	3(1.1, 5.5)	14 (10, 17)
	I am unable to perform my usual activities	7.7(3.4, 16)		7.5(5.2, 11)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Missing	18 (13, 22)	29 (23, 34)	69 (59, 77)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	EQ-5D pain/discomfort at 30 day follow-up			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	I have no pain or discomfort	77(65, 85)	82 (76, 85)	78 (72, 81)
Missing       18 (13, 22)       29 (23, 34)       69 (59, 77)         EQ-5D anxiety/depression at 30 day follow-up         I am not anxious or depressed       88 (75.79, 93)       92 (87, 94)       95 (90, 95)         I am moderately anxious or depressed       12 (5.9, 21)       6.9 (4.4, 11)       3.8 (2.2, 6.3)         I am extremely anxious or depressed       1 (0, 2.1)       0.8 (0, 2.3)         Missing       18 (13, 22)       29 (23, 34)       69 (59, 77)         Patient satisfaction         Very satisfied       74 (65, 81)       85 (80, 88)       69 (64, 71)         Somewhat satisfied       21 (13, 27.1)       9.9 (6.7, 13)       16 (12, 18)         Somewhat dissatisfied       2.6 (0, 6.7)       1.7 (0.8, 3.4)       9 (6.6, 12)         Very dissatisfied       2.6 (0, 7.5)       3.3 (1.7, 5.6)       5.1 (3.3, 7.1)         Missing       6 (3, 8)       9 (5, 12)       25 (19, 30)         Number of hospitalizations for this injury       13 (9, 17)       19 (13, 23)       36 (29, 42)         EQ-5D health state at discharge       60 (50, 55)       80 (79, 79)       50 (5, 50)         Missing       15 (10, 19)       35 (28, 42)       58 (49, 65)         EQ-5D health state at 30 day follow-up </td <td>I have moderate pain or discomfort</td> <td>23(13, 33)</td> <td>17 (12, 20)</td> <td>20 (15, 23)</td>	I have moderate pain or discomfort	23(13, 33)	17 (12, 20)	20 (15, 23)
EQ-5D anxiety/depression at 30 day follow-up         I am not anxious or depressed $88 (75.79, 93)$ $92 (87, 94)$ $95 (90, 95)$ I am moderately anxious or depressed $12 (5.9, 21)$ $6.9 (4.4, 11)$ $3.8 (2.2, 6.3)$ I am extremely anxious or depressed $1 (0, 2.1)$ $0.8 (0, 2.3)$ Missing $18 (13, 22)$ $29 (23, 34)$ $69 (59, 77)$ Patient satisfaction         Very satisfied $74 (65, 81)$ $85 (80, 88)$ $69 (64, 71)$ Somewhat satisfied $21 (13, 27.1)$ $9.9 (6.7, 13)$ $16 (12, 18)$ Somewhat dissatisfied $2.6 (0, 6.7)$ $1.7 (0.8, 3.4)$ $9 (6.6, 12)$ Very dissatisfied $2.6 (0, 7.5)$ $3.3 (1.7, 5.6)$ $5.1 (3.3, 7.1)$ Missing $6 (3, 8)$ $9 (5, 12)$ $25 (19, 30)$ Number of hospitalizations for this injury $13 (9, 17)$ $19 (13, 23)$ $36 (29, 42)$ EQ-5D health state at discharge $60 (50, 55)$ $80 (79, 79)$ $50 (5, 50)$ Missing $15 (10, 19)$ $35 (28, 42)$ $58 (49, 65)$ EQ-5D health state at 30 day follow-up $88 (80, 100)$ $100 (99, 99)$ $80 (9, 80)$ <td>I have extreme pain or discomfort</td> <td></td> <td>1(0, 2.1)</td> <td>1.5(0.7, 3)</td>	I have extreme pain or discomfort		1(0, 2.1)	1.5(0.7, 3)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Missing	18 (13, 22)	29 (23, 34)	69 (59, 77)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EQ-5D anxiety/depression at 30 day follow-up			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	I am not anxious or depressed	88 (75.79, 93)	92 (87, 94)	95 (90, 95)
Missing $18 (13, 22)$ $29 (23, 34)$ $69 (59, 77)$ Patient satisfaction         Very satisfied $74 (65, 81)$ $85 (80, 88)$ $69 (64, 71)$ Somewhat satisfied $21 (13, 27.1)$ $9.9 (6.7, 13)$ $16 (12, 18)$ Somewhat dissatisfied $2.6 (0, 6.7)$ $1.7 (0.8, 3.4)$ $9 (6.6, 12)$ Very dissatisfied $2.6 (0, 7.5)$ $3.3 (1.7, 5.6)$ $5.1 (3.3, 7.1)$ Missing $6 (3, 8)$ $9 (5, 12)$ $25 (19, 30)$ Number of hospitalizations for this injury       Missing $13 (9, 17)$ $19 (13, 23)$ $36 (29, 42)$ EQ-5D health state at discharge $60 (50, 55)$ $80 (79, 79)$ $50 (5, 50)$ Missing $15 (10, 19)$ $35 (28, 42)$ $58 (49, 65)$ EQ-5D health state at 30 day follow-up $88 (80, 100)$ $100 (99, 99)$ $80 (9, 80)$ Missing $18 (13, 22)$ $32 (26, 38)$ $75 (65, 83)$ Cost of treatment $5000 (0, 7000)$ $2000 (1500, 2000)$ $3000 (1000, 4000)$	I am moderately anxious or depressed	12 (5.9, 21)	6.9(4.4, 11)	3.8 (2.2, 6.3)
Patient satisfaction         Very satisfied $74 (65, 81)$ $85 (80, 88)$ $69 (64, 71)$ Somewhat satisfied $21 (13, 27.1)$ $9.9 (6.7, 13)$ $16 (12, 18)$ Somewhat dissatisfied $2.6 (0, 6.7)$ $1.7 (0.8, 3.4)$ $9 (6.6, 12)$ Very dissatisfied $2.6 (0, 7.5)$ $3.3 (1.7, 5.6)$ $5.1 (3.3, 7.1)$ Missing $6 (3, 8)$ $9 (5, 12)$ $25 (19, 30)$ Number of hospitalizations for this injury       Missing $13 (9, 17)$ $19 (13, 23)$ $36 (29, 42)$ EQ-5D health state at discharge $60 (50, 55)$ $80 (79, 79)$ $50 (5, 50)$ Missing $15 (10, 19)$ $35 (28, 42)$ $58 (49, 65)$ EQ-5D health state at 30 day follow-up $88 (80, 100)$ $100 (99, 99)$ $80 (9, 80)$ Missing $18 (13, 22)$ $32 (26, 38)$ $75 (65, 83)$ Cost of treatment $5000 (0, 7000)$ $2000 (1500, 2000)$ $3000 (1000, 4000)$	I am extremely anxious or depressed		1(0, 2.1)	0.8 (0, 2.3)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Missing	18 (13, 22)	29 (23, 34)	69 (59, 77)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Patient satisfaction			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Very satisfied	74 (65, 81)	85 (80, 88)	69 (64, 71)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Somewhat satisfied	$21\ (13,\ 27.1)$	9.9 (6.7, 13)	16 (12, 18)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Somewhat dissatisfied	2.6 (0, 6.7)	1.7 (0.8, 3.4)	9 (6.6, 12)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Very dissatisfied	2.6(0, 7.5)	$3.3\ (1.7,\ 5.6)$	5.1 (3.3, 7.1)
Missing $13 (9, 17)$ $19 (13, 23)$ $36 (29, 42)$ EQ-5D health state at discharge $60 (50, 55)$ $80 (79, 79)$ $50 (5, 50)$ Missing $15 (10, 19)$ $35 (28, 42)$ $58 (49, 65)$ EQ-5D health state at 30 day follow-up $88 (80, 100)$ $100 (99, 99)$ $80 (9, 80)$ Missing $18 (13, 22)$ $32 (26, 38)$ $75 (65, 83)$ Cost of treatment $5000 (0, 7000)$ $2000 (1500, 2000)$ $3000 (1000, 4000)$	9	6(3, 8)	9 (5, 12)	25 (19, 30)
EQ-5D health state at discharge $60 (50, 55)$ $80 (79, 79)$ $50 (5, 50)$ Missing $15 (10, 19)$ $35 (28, 42)$ $58 (49, 65)$ EQ-5D health state at 30 day follow-up $88 (80, 100)$ $100 (99, 99)$ $80 (9, 80)$ Missing $18 (13, 22)$ $32 (26, 38)$ $75 (65, 83)$ Cost of treatment $5000 (0, 7000)$ $2000 (1500, 2000)$ $3000 (1000, 4000)$	Number of hospitalizations for this injury			
Missing $15 (10, 19)$ $35 (28, 42)$ $58 (49, 65)$ EQ-5D health state at 30 day follow-up $88 (80, 100)$ $100 (99, 99)$ $80 (9, 80)$ Missing $18 (13, 22)$ $32 (26, 38)$ $75 (65, 83)$ Cost of treatment $5000 (0, 7000)$ $2000 (1500, 2000)$ $3000 (1000, 4000)$	Missing	13 (9, 17)	19 (13, 23)	36 (29, 42)
EQ-5D health state at 30 day follow-up       88 (80, 100)       100 (99, 99)       80 (9, 80)         Missing       18 (13, 22)       32 (26, 38)       75 (65, 83)         Cost of treatment       5000 (0, 7000)       2000 (1500, 2000)       3000 (1000, 4000)	EQ-5D health state at discharge		. , ,	50 (5, 50)
Missing $18 (13, 22)$ $32 (26, 38)$ $75 (65, 83)$ Cost of treatment $5000 (0, 7000)$ $2000 (1500, 2000)$ $3000 (1000, 4000)$	9		. , ,	. , ,
Cost of treatment 5000 (0, 7000) 2000 (1500, 2000) 3000 (1000, 4000)	EQ-5D health state at 30 day follow-up	88 (80, 100)	. , ,	80 (9, 80)
	9		. , ,	` ' '
Missing 35 (28, 42) 39 (32, 46) 113 (102, 123)	Cost of treatment	\ '		
	Missing	35 (28, 42)	39 (32, 46)	113 (102, 123)

#### Outcomes in all patients before training, by treatment arm

Outcome	ATLS, $N = 16$	PTC, $N = 57$	Standard care, $N=41$
30 day mortality			
Yes		10 (5.33, 15)	2.6(0, 6.5)
No		90 (83, 94)	97 (82.82, 97)
Missing	2(0,3)	8 (5, 10)	3 (1, 4)
24 hour mortality	,		
Yes			2.4(0, 6.3)
No			98 (93, 100)
Missing	2(0,3)	5 (2, 7)	, , ,
In-hospital mortality	. , ,	. , ,	
Yes		7 (3.7, 12)	4.9 (2.2, 11)
No		93 (87, 95)	95 (87, 97)
Missing		, ,	
Self-ambulatory at discharge			
Yes	92 (75.32, 100)	96 (89, 98)	95 (88, 98)
No	8.3 (0, 20)	4.1 (1.9, 8.8)	5.1 (2.1, 11)
Missing	4 (2, 6)	8 (4, 10)	2(0,3)
Return to work	. , ,	. , ,	
Yes	83 (50, 100)	74 (65, 80)	41 (30, 50)
No	17 (0, 40)	26 (17.11, 33)	59 (47, 68)
Missing	10 (6, 13)	15 (10, 19)	12 (8, 15)
Pulmonary complication	( ) /	. , ,	. , ,
Yes		2.2(0, 5.9)	

Missing	No		98 (90, 98)	
Yes No		6 (3, 8)		2(0,3)
No   Section			4.4 (0. 0.1)	0.5 (0.0.5)
Missing				
Read   Failure		6 (3-8)		
No	9	0 (0, 0)	12 (0, 10)	1 (0, 1)
Missing	Yes			
Congulopathy   Yes   No   Nissing   Section	No			
No   Missing   6 (3, 8)	9	5(2,7)	11 (7, 14)	1 (0, 1)
No   Nesing   New   Ne	9			
Nesing   Section   New				
Need   10		6 (3, 8)	12 (8, 15)	1 (0, 1)
No	9	- (-) -)	(-, -,	(-7-7
Missing	Yes		$2.1\ (0,\ 5.8)$	
Pallure of conservative management   No		. (= =)	*	. (* .)
No	<u> </u>	4(2, 6)	10 (6, 13)	$1\ (0,\ 1)$
Missing	=		98 (90 98)	
Missing			1 1 1	
December		10 (6, 13)		2(0,3)
In we some problems in walking	EQ-5D mobility at discharge			. , ,
Lam confined to bed   4 (2, 6)   4.9 (2.2, 10)   2.1 (14, 29)     Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D self-care at discharge   58 (40, 75)   80 (71, 86)   59 (48, 67)     I have no problems with self-care   58 (40, 75)   80 (71, 86)   59 (48, 67)     I have no problems with self-care   58 (40, 75)   80 (71, 86)   59 (48, 67)     I have no problems with self-care   25 (10, 40)   7.3 (3, 14)   26 (17, 34)     Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D usual activities at discharge   50 (29, 63)   76 (67, 82)   54 (45, 63)     I have no problems in performing my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   26 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   26 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   26 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   26 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   26 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am enderate pain or discomfort   33 (17, 47)   34 (25, 44)   33 (24, 41)     I have moderate pain or discomfort   67 (45, 79)   63 (51, 70)   41 (30.69, 49)     I am active me pain or discomfort   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D anxiety/depression at discharge   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D mobility at 30 day follow-up   1 am extemply anxious or depressed   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D mobility at 30 day follow-up   1 have no problems in walking   17 (0, 40)   2.3 (0, 6.3)   23 (14, 32)     I am confined to bed   1 (10, 10)   1 (10, 13)   1 (10, 13)     EQ-5D usual activities at 30 day follow-up   1 have		. , ,		*
Missing	•	. ` ' '.	N 1 1	1 1 1
EQ-5D self-care at discharge   1 have no problems with self-care   58 (40, 75)   80 (71, 86)   59 (48, 67)   1 have some problems bathing or dressing myself   17 (7.1, 33)   12 (5.9, 18)   15 (7.7, 21)   1 am unable to bathe or dress myself   25 (10, 40)   7.3 (31, 14)   26 (17, 34)   1 am unable to bathe or dress myself   4 (2, 6)   16 (11, 20)   2 (0, 3)   1				1. 1. 1
I have no problems with self-care   58 (40, 75)   80 (71, 86)   59 (48, 67)     I have some problems bathing or dressing myself   17 (7.1, 33)   12 (5.9, 18)   15 (7.7, 21)     I am unable to bathe or dress myself   25 (10, 40)   7.3 (3, 14)   26 (17, 34)     Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D usual activities at discharge   1 have no problems in performing my usual activities   50 (29, 63)   76 (67, 82)   28 (19, 35)     I have no problems in performing my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     I am unable to perform my usual activities   25 (10, 40)   9.8 (5.4, 17)   18 (11, 26)     Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D pain/discomfort at discharge   24 (0, 6.3)   24 (16, 10)   2 (0, 3)     EQ-5D pain/discomfort   33 (17, 47)   34 (25, 44)   33 (24, 41)     I have moderate pain or discomfort   67 (45, 79)   63 (51, 70)   41 (30.69, 49)     I have extreme pain or discomfort   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D anxiety/depression at discharge   24 (0, 6.3)   26 (18, 34)     I am modarately anxious or depressed   50 (29, 63)   73 (63, 80)   79 (69, 84)     I am modarately anxious or depressed   50 (29, 63)   73 (63, 80)   79 (69, 84)     I am extremely anxious or depressed   50 (29, 63)   24 (16, 31)   18 (11, 24)     I am extremely anxious or depressed   24 (0, 6.3)   22 (0, 3)     EQ-5D mobility at 30 day follow-up   1 have no problems in walking   17 (0, 40)   2.3 (0, 6.3)   23 (14, 32)     I have some problems in walking   17 (0, 40)   2.3 (0, 6.3)   23 (14, 32)     I have some problems in walking   17 (0, 43)   47 (22, 10)   65, 33, 44     I am unable to bathe or dress myself   17 (0, 43)   47 (22, 10)   65, 33, 44     I am unable to bathe or dress myself   17 (0, 43)   47 (22, 10)   65, 33, 44     I am unable to bathe or dress myself   17 (0, 43)   14 (9, 17)   10 (6, 13)     EQ-5D pain/discomfort at 30 day follow-up   1 have no problems in performing my usual activities   47 (22, 10)   97 (43, 19)     I have moderate pain or discomfor	<u> </u>	4 (2, 0)	10 (11, 20)	2 (0, 3)
I have some problems bathing or dressing myself   17 (7.1, 33)   12 (5.9, 18)   15 (7.7, 21)     1 am unable to bathe or dress myself   25 (10, 40)   7.3 (3, 14)   26 (17, 34)     Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D usual activities at discharge   1 have no problems in performing my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     1 am unable to perform my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)     1 am unable to perform my usual activities   25 (10, 40)   16 (11, 20)   2 (0, 3)     1 am unable to perform my usual activities   4 (2, 6)   16 (11, 20)   2 (0, 3)     2		58 (40, 75)	80 (71, 86)	59 (48, 67)
I am unable to bathe or dress myself   25 (10, 40)   7.3 (3, 14)   26 (17, 34)   Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D usual activities at discharge				2 1 1
EQ-5D   usual activities at discharge   1 have no problems in performing my usual activities   50 (29, 63)   76 (67, 82)   54 (45, 63)   1 have some problems in performing my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)   1 am unable to perform my usual activities   25 (10, 40)   9.8 (5.4, 17)   18 (11, 26)   (11, 20)   (2 (0, 3)   (2	I am unable to bathe or dress myself	25 (10, 40)	7.3(3,14)	26 (17, 34)
Thave no problems in performing my usual activities   50 (29, 63)   76 (67, 82)   28 (19, 35)   1 have some problems in performing my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)   1 mumble to perform my usual activities   25 (10, 40)   9.8 (5.4, 17)   18 (11, 26)   Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)	<u> </u>	4(2, 6)	16 (11, 20)	2(0,3)
I have some problems in performing my usual activities   25 (10, 40)   15 (8.73, 22)   28 (19, 35)   Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)		FO (00 d0)	E0 (0E 00)	F4 (4F 00)
I am unable to perform my usual activities   25 (10, 40)   9.8 (5.4, 17)   18 (11, 26)   Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)   16 (11, 20)   2 (0, 3)   17 (41, 10)   18 (11, 26)   18 (11, 26)   18 (11, 26)   18 (11, 26)   18 (11, 26)   18 (11, 20)   2 (0, 3)   18 (11, 26)   18 (11, 26)   18 (11, 26)   18 (11, 20)				
Missing		1 1 1		
Page   Pain   discomfort at discharge   Pain   Pa		*. * . *		1. 1. 1
I have moderate pain or discomfort		( ) /	· / /	( ) /
I have extreme pain or discomfort	I have no pain or discomfort	33(17, 47)	34 (25, 44)	33(24,41)
Missing       4 (2, 6)       16 (11, 20)       2 (0, 3)         EQ-5D anxiety/depression at discharge       1         I am not anxious or depressed       50 (29, 63)       73 (63, 80)       79 (69, 84)         I am moderately anxious or depressed       50 (29, 63)       24 (16, 31)       18 (11, 24)         I am extremely anxious or depressed       2.4 (0, 6.3)       2.6 (0, 7.08)         Missing       4 (2, 6)       16 (11, 20)       2 (0, 6.)         EQ-5D mobility at 30 day follow-up       4 (2, 6)       16 (11, 20)       2 (0, 6.)         I have no problems in walking       67 (33, 83)       91 (83, 95)       65 (54, 74)         I have some problems in walking       17 (0, 43)       7 (3.8, 13)       13 (6.3, 21)         I am confined to bed       17 (0, 40)       2.3 (0, 6.3)       23 (14, 32)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D self-care at 30 day follow-up       4.7 (2.1, 10)       23 (15, 32)         I have some problems bathing or dressing myself       17 (0, 43)       4.7 (2.2, 10)       6.5 (3, 14)         I am unable to bathe or dress myself       17 (0, 43)       4.7 (2.1, 10)       23 (15, 32)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D usual		67 (45, 79)	N. 1 1	
Reg-5D anxiety/depression at discharge   1 am not anxious or depressed   50 (29, 63)   73 (63, 80)   79 (69, 84)   1 am moderately anxious or depressed   50 (29, 63)   24 (16, 31)   18 (11, 24)   1 am extremely anxious or depressed   2.4 (0, 6.3)   2.6 (0, 7.08)   Missing   4 (2, 6)   16 (11, 20)   2 (0, 3)     EQ-5D mobility at 30 day follow-up   1 have no problems in walking   67 (33, 83)   91 (83, 95)   65 (54, 74)   1 have some problems in walking   17 (0, 43)   7 (3.8, 13)   13 (6.3, 21)   1 am confined to bed   17 (0, 40)   2.3 (0, 6.3)   23 (14, 32)   Missing   17 (0, 40)   2.3 (0, 6.3)   23 (14, 32)   Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)   EQ-5D self-care at 30 day follow-up   1 have no problems with self-care   83 (50, 100)   91 (84, 95)   71 (60, 79)   1 have some problems bathing or dressing myself   17 (0, 43)   4.7 (2.1, 10)   23 (15, 32)   Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)   EQ-5D usual activities at 30 day follow-up   1 have no problems in performing my usual activities   4.7 (2.1, 10)   23 (15, 32)   Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)   EQ-5D pain/discomfort at 30 day follow-up   1 have no problems in performing my usual activities   4.7 (2.1, 10)   9.7 (4.3, 19)   Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)   EQ-5D pain/discomfort at 30 day follow-up   1 have moderate pain or discomfort   67 (33, 83)   77 (68, 83)   74 (62, 81)   1 have moderate pain or discomfort   33 (0, 50)   21 (13, 28)   26 (18, 36)   1 have extreme pain or discomfort   33 (0, 50)   21 (13, 28)   26 (18, 36)   1 have extreme pain or discomfort   86 (78, 91)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14 (9, 17)   10 (6, 13)   14		4 (0, 0)		1. 1. 1
I am not anxious or depressed 50 (29, 63) 73 (63, 80) 79 (69, 84) I am moderately anxious or depressed 50 (29, 63) 24 (16, 31) 18 (11, 24) I am extremely anxious or depressed 2.4 (0, 6.3) 2.6 (0, 7.08) Missing 4 (2, 6) 16 (11, 20) 2 (0, 3)  EQ-5D mobility at 30 day follow-up I have no problems in walking 67 (33, 83) 91 (83, 95) 65 (54, 74) I have some problems in walking 17 (0, 43) 7 (3.8, 13) 13 (6.3, 21) I am confined to bed 17 (0, 40) 2.3 (0, 6.3) 23 (14, 32) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13)  EQ-5D self-care at 30 day follow-up I have no problems with self-care 83 (50, 100) 91 (84, 95) 71 (60, 79) I have some problems bathing or dressing myself 17 (0, 43) 4.7 (2.2, 10) 6.5 (3, 14) I am unable to bathe or dress myself 10 (6, 13) 14 (9, 17) 10 (6, 13)  EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities 1 have some problems in performing my usual activities 4.7 (2.1, 10) 23 (15, 32) I have some problems in performing my usual activities 4.7 (2.2, 10) 19 (11, 28) I am unable to perform my usual activities 4.7 (2.1, 10) 9.7 (4.3, 19) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13)  EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort 67 (33, 83) 77 (68, 83) 74 (62, 81) I have moderate pain or discomfort 33 (0, 50) 21 (13, 28) 26 (18, 36) I have extreme pain or discomfort 30 day follow-up I have extreme pain or discomfort 80 (6, 13) 14 (9, 17) 10 (6, 13)  EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed 86 (78, 91) 97 (88, 100) I am moderately anxious or depressed 12 (6, 5, 18) 3.2 (0, 9.1) I am extremely anxious or depressed 2.3 (0, 6.1)		4 (2, 6)	16 (11, 20)	2 (0, 3)
I am moderately anxious or depressed 50 (29, 63) 24 (16, 31) 18 (11, 24) 1 am extremely anxious or depressed 2.4 (0, 6.3) 2.6 (0, 7.08) Missing 4 (2, 6) 16 (11, 20) 2 (0, 3) EQ-5D mobility at 30 day follow-up I have no problems in walking 67 (33, 83) 91 (83, 95) 65 (54, 74) 1 have some problems in walking 17 (0, 43) 7 (3.8, 13) 13 (6.3, 21) 1 am confined to bed 17 (0, 43) 7 (3.8, 13) 13 (6.3, 21) 1 am confined to bed 17 (0, 43) 14 (9, 17) 10 (6, 13) 14 (9, 17) 10 (6, 13) 14 (9, 17) 10 (6, 13) 14 (9, 17) 10 (6, 13) 14 am unable to bathe or dress myself 17 (0, 43) 4.7 (2.2, 10) 6.5 (3, 14) 1 1 am unable to bathe or dress myself 17 (0, 43) 4.7 (2.2, 10) 23 (15, 32) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		50 (29, 63)	73 (63, 80)	79 (69, 84)
Missing       4 (2, 6)       16 (11, 20)       2 (0, 3)         EQ-5D mobility at 30 day follow-up       I have no problems in walking       67 (33, 83)       91 (83, 95)       65 (54, 74)         I have some problems in walking       17 (0, 43)       7 (3.8, 13)       13 (6.3, 21)         I am confined to bed       17 (0, 40)       2.3 (0, 6.3)       23 (14, 32)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D self-care at 30 day follow-up       83 (50, 100)       91 (84, 95)       71 (60, 79)         I have some problems with self-care       83 (50, 100)       91 (84, 95)       71 (60, 79)         I have some problems bathing or dressing myself       17 (0, 43)       4.7 (2.2, 10)       6.5 (3, 14)         I am unable to bathe or dress myself       10 (6, 13)       14 (9, 17)       10 (6, 13)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         I have no problems in performing my usual activities       91 (84, 95)       71 (60, 79)         I have some problems in performing my usual activities       4.7 (2.2, 10)       19 (11, 28)         I am unable to perform my usual activities       4.7 (2.2, 10)       19 (11, 28)         I am unable to perform my usual activities       4.7 (2.1, 10)       9.7 (4.3, 19)         <		1 1 1		1 1 1
EQ-5D mobility at 30 day follow-up I have no problems in walking I have some problems in walking I am confined to bed I am unable to bether or dressing myself I have no problems with self-care I am unable to bathe or dress myself I am unable to bathe or dress myself I am unable to bathe or dress myself I have no problems in performing my usual activities I have no problems in performing my usual activities I am unable to perform or discomfort I have no pain or discomfort I have moderate pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort I have extreme pain or discomfort I am not anxious or depressed I am moderately anxious or depressed I am moderately anxious or depressed I am extremely anxious or depressed I and extremely anxio	I am extremely anxious or depressed		2.4(0, 6.3)	2.6 (0, 7.08)
I have no problems in walking $67 (33, 83)$ $91 (83, 95)$ $65 (54, 74)$ I have some problems in walking $17 (0, 43)$ $7 (3.8, 13)$ $13 (6.3, 21)$ I am confined to bed $17 (0, 40)$ $2.3 (0, 6.3)$ $23 (14, 32)$ Missing $10 (6, 13)$ $14 (9, 17)$ $10 (6, 13)$ EQ-5D self-care at 30 day follow-up I have no problems with self-care $83 (50, 100)$ $91 (84, 95)$ $71 (60, 79)$ I have some problems bathing or dressing myself $17 (0, 43)$ $4.7 (2.2, 10)$ $6.5 (3, 14)$ I am unable to bathe or dress myself $17 (0, 43)$	_	4(2, 6)	16 (11, 20)	2(0,3)
I have some problems in walking 17 (0, 43) 7 (3.8, 13) 13 (6.3, 21) I am confined to bed 17 (0, 40) 2.3 (0, 6.3) 23 (14, 32) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13) EQ-5D self-care at 30 day follow-up I have no problems with self-care 83 (50, 100) 91 (84, 95) 71 (60, 79) I have some problems bathing or dressing myself 17 (0, 43) 4.7 (2.2, 10) 6.5 (3, 14) I am unable to bathe or dress myself 4.7 (2.1, 10) 23 (15, 32) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13) EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities 91 (84, 95) 71 (60, 79) I have some problems in performing my usual activities 4.7 (2.2, 10) 19 (11, 28) I am unable to perform my usual activities 4.7 (2.2, 10) 19 (11, 28) I am unable to perform my usual activities 4.7 (2.1, 10) 9.7 (4.3, 19) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13) EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort 67 (33, 83) 77 (68, 83) 74 (62, 81) I have moderate pain or discomfort 33 (0, 50) 21 (13, 28) 26 (18, 36) I have extreme pain or discomfort 2.3 (0, 6.1) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13) EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed 86 (78, 91) 97 (88, 100) I am moderately anxious or depressed 86 (78, 91) 97 (88, 100) I am extremely anxious or depressed 2.3 (0, 6.1)		CF (99 09)	01 (09 05)	CE (E4 E4)
I am confined to bed   17 (0, 40)   2.3 (0, 6.3)   23 (14, 32)     Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   83 (50, 100)   91 (84, 95)   71 (60, 79)     I have some problems bathing or dressing myself   17 (0, 43)   4.7 (2.2, 10)   6.5 (3, 14)     I am unable to bathe or dress myself   4.7 (2.1, 10)   23 (15, 32)     Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   91 (84, 95)   71 (60, 79)     I have some problems in performing my usual activities   4.7 (2.2, 10)   19 (11, 28)     I am unable to perform my usual activities   4.7 (2.1, 10)   9.7 (4.3, 19)     Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)     EQ-5D pain/discomfort at 30 day follow-up     I have no pain or discomfort   67 (33, 83)   77 (68, 83)   74 (62, 81)     I have moderate pain or discomfort   33 (0, 50)   21 (13, 28)   26 (18, 36)     I have extreme pain or discomfort   2.3 (0, 6.1)     Missing   10 (6, 13)   14 (9, 17)   10 (6, 13)     EQ-5D anxiety/depression at 30 day follow-up     I am not anxious or depressed   86 (78, 91)   97 (88, 100)     I am moderately anxious or depressed   12 (6.5, 18)   3.2 (0, 9.1)     I am extremely anxious or depressed   2.3 (0, 6.1)	1 9			
Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D self-care at 30 day follow-up         I have no problems with self-care       83 (50, 100)       91 (84, 95)       71 (60, 79)         I have some problems bathing or dressing myself       17 (0, 43)       4.7 (2.2, 10)       6.5 (3, 14)         I am unable to bathe or dress myself       4.7 (2.1, 10)       23 (15, 32)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D usual activities at 30 day follow-up       51 (47, 12, 10)       10 (6, 13)         I have no problems in performing my usual activities       91 (84, 95)       71 (60, 79)         I have some problems in performing my usual activities       4.7 (2.1, 10)       19 (11, 28)         I am unable to perform my usual activities       4.7 (2.1, 10)       9.7 (4.3, 19)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D pain/discomfort at 30 day follow-up       67 (33, 83)       77 (68, 83)       74 (62, 81)         I have moderate pain or discomfort       33 (0, 50)       21 (13, 28)       26 (18, 36)         I have extreme pain or discomfort       2.3 (0, 6.1)       2.3 (0, 6.1)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D anxiety/depression at				
EQ-5D self-care at 30 day follow-up I have no problems with self-care		* ' '		`. ' .'
I have some problems bathing or dressing myself I am unable to bathe or dress myself I have no problems in performing my usual activities I have some problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I have no pain or discomfort at 30 day follow-up I have no pain or discomfort I have extreme pain or discomfort I have extremely anxious or depressed I h	9	( , ,	( ) /	· / /
I am unable to bathe or dress myself   4.7 (2.1, 10)   23 (15, 32)	I have no problems with self-care	83 (50, 100)		71 (60, 79)
Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D usual activities at 30 day follow-up         I have no problems in performing my usual activities       91 (84, 95)       71 (60, 79)         I have some problems in performing my usual activities       4.7 (2.2, 10)       19 (11, 28)         I am unable to perform my usual activities       4.7 (2.1, 10)       9.7 (4.3, 19)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D pain/discomfort at 30 day follow-up       67 (33, 83)       77 (68, 83)       74 (62, 81)         I have moderate pain or discomfort       33 (0, 50)       21 (13, 28)       26 (18, 36)         I have extreme pain or discomfort       2.3 (0, 6.1)       10 (6, 13)         Missing       10 (6, 13)       14 (9, 17)       10 (6, 13)         EQ-5D anxiety/depression at 30 day follow-up       86 (78, 91)       97 (88, 100)         I am moderately anxious or depressed       86 (78, 91)       97 (88, 100)         I am extremely anxious or depressed       12 (6.5, 18)       3.2 (0, 9.1)		17(0, 43)		* ' '
EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I have no pain or discomfort at 30 day follow-up I have no pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort I am not anxious or depressed I am not anxious or depressed I am moderately anxious or depressed I am extremely an	<del>-</del>	10 (0. 19)	N. 1 . 1	1. 1
I have no problems in performing my usual activities I have some problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I am unable to perform my usual activities I am unable to perform my usual activities I have no pain or discomfort at 30 day follow-up I have no pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort I have extremely anxious or depressed I have ex	9	10 (6, 13)	14 (9, 17)	10 (6, 13)
I have some problems in performing my usual activities I am unable to perform my usual activities I am (6, 13) I am moderately anxious or depressed I am moderately anxious or depressed I am extremely anxious or depressed I am or anxious or depressed I am extremely anxious or depressed I am extremely anxious or depressed I am or anxious or depressed I am extremely anxious or depressed I am extremely anxious or depressed I am or anxious or depressed I am or anxious or depressed I am or anxious or depressed I am extremely anxious or depressed I am or anxious or d			91 (84, 95)	71 (60, 79)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			1 1 1	
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort 67 (33, 83) 77 (68, 83) 74 (62, 81) I have moderate pain or discomfort 33 (0, 50) 21 (13, 28) 26 (18, 36) I have extreme pain or discomfort 2.3 (0, 6.1) Missing 10 (6, 13) 14 (9, 17) 10 (6, 13) EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed 86 (78, 91) 97 (88, 100) I am moderately anxious or depressed 12 (6.5, 18) 3.2 (0, 9.1) I am extremely anxious or depressed 2.3 (0, 6.1)	I am unable to perform my usual activities			9.7(4.3, 19)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	9	10 (6, 13)	14 (9, 17)	10 (6, 13)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		OF (22, 22)	FF (00, 00)	E4 (00, 01)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		*. *		
Missing 10 (6, 13) 14 (9, 17) 10 (6, 13) <b>EQ-5D anxiety/depression at 30 day follow-up</b> I am not anxious or depressed 86 (78, 91) 97 (88, 100) I am moderately anxious or depressed 12 (6.5, 18) 3.2 (0, 9.1) I am extremely anxious or depressed 2.3 (0, 6.1)		ээ (U, ЭU)	N. 1 1	20 (18, 30)
EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed I am moderately anxious or depressed I am extremely anxious or		10 (6. 13)	1 1 1	10 (6. 13)
I am not anxious or depressed       86 (78, 91)       97 (88, 100)         I am moderately anxious or depressed       12 (6.5, 18)       3.2 (0, 9.1)         I am extremely anxious or depressed       2.3 (0, 6.1)	9	- (-,)	(-,,	- (~, -~)
I am extremely anxious or depressed $2.3 (0, 6.1)$			86 (78, 91)	97 (88, 100)
			*	3.2(0, 9.1)
10 (0, 13) 14 (9, 17) 10 (6, 13)		10 (6 12)	1 1 1	10 (6, 19)
	Binegum	10 (0, 13)	14 (9, 17)	10 (0, 13)

Patient satisfaction			
Very satisfied	64 (45, 75)	73 (66, 80)	67 (56, 74)
Somewhat satisfied	36 (21, 50)	16 (10, 22)	23 (15, 30)
Somewhat dissatisfied		3.9(1.8, 7.91)	7.7(3.3, 14)
Very dissatisfied		7.8(4.2, 13)	2.6(0, 7.7)
Missing	2(0,3)	6 (3, 8)	2(0,3)
Number of hospitalizations for this injury			
Missing	10 (6, 13)	8 (5, 10)	2(0,3)
EQ-5D health state at discharge	60 (45, 70)	80 (70, 80)	50 (4, 80)
Missing	5 (2, 7)	16 (11, 20)	10 (6, 13)
EQ-5D health state at 30 day follow-up	100 (55, 100)	100 (90, 100)	10 (9, 98)
Missing	10 (6, 13)	15 (10, 19)	14 (10, 18)
Cost of treatment	7000 (0, 14000)	2025 (1300, 5000)	14000 (500, 17000)
Missing	14 (9, 18)	18 (13, 22)	23 (18, 29)

#### Outcomes in all patients after training, by treatment arm

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 16$
30 day mortality			
Yes	3.8(0,11)	4.9(1.8, 8.5)	16 (11, 18)
No	96 (83.52, 97)	95 (90, 97)	84 (80, 87)
Missing	2 (0, 3)	12 (8, 16)	26 (20, 31)
24 hour mortality	, , ,	. , ,	
Yes			
No			
Missing	2 (0, 3)	8 (4, 11)	7 (4, 9.21)
In-hospital mortality	(-) -)	- ( ) /	( ) - /
Yes	3.7(0,11)	$4.1\ (1.4,\ 7)$	12 (8.4, 14)
No	96 (83.08, 97)	96 (91, 97)	88 (84, 89)
Missing	1 (0, 1)	00 (01, 01)	2 (0, 3)
Self-ambulatory at discharge	1 (0, 1)		2 (0, 0)
Yes		97 (92, 98)	99 (96, 99)
No		2.9 (1.3, 6.2)	1.5 (0.7, 3.3)
Missing	4 (1, 5)	3(1, 4)	24 (18, 29)
Return to work	± (1, 0)	J (1, 4)	24 (10, 23)
Yes	58 (43, 69)	70 (61, 76)	53 (46, 58)
No	. , ,		` ' '
	42 (30, 55.92)	30 (22, 36)	47 (40, 52)
Missing	9(5, 12)	16 (11, 20)	56 (48, 63)
Pulmonary complication			
Yes			
No	F (0 F)	10 (0 10)	99 (97 99)
Missing	5(2,7)	10 (6, 13)	$33\ (25,\ 38)$
Septic complication		()	()
Yes		$3.2\ (1.4,\ 6.6)$	0.8 (0, 1.7)
No		97 (92, 98)	99 (96, 99)
Missing	5(2,7)	10 (6, 13)	$33\ (25,\ 38)$
Renal failure			
Yes			
No			
Missing	5 (2, 7)	10 (6, 13)	32 (25, 37)
Coagulopathy			
Yes	4.3 (0, 12.83)		
No	96 (87, 100)		
Missing	5 (2, 7)	10 (6, 13)	32 (25, 37)
Need for reexploration or resurgery			
Yes		1.6(0, 4.2)	2.5 (0.9, 4.6)
No		98 (91.58, 98)	97 (92, 97)
Missing	6 (3, 8)	10 (6, 13)	42 (35, 49)
Failure of conservative management	- (-, -,	(-) -)	(/
No	92 (80, 96)	98 (90.81, 98)	98 (93.53, 98)
Yes	8 (3.4, 17)	1.6 (0, 3.7)	1.7 (0, 3.4)
Missing	3 (1, 4)	12 (8, 15)	44 (35, 50)
EQ-5D mobility at discharge	J (2, 2)	12 (0, 10)	11 (00, 00)
I have no problems in walking	89 (75.05, 95)	92 (86, 95)	62 (56, 66)
I have no problems in walking  I have some problems in walking	11 (4.2, 20)	5 (2, 9.7)	19 (15, 23)
I am confined to bed	11 (4.2, 20)	3.3 (1.5, 7)	19 (14, 22)
1 am confined to bed Missing	10 (6, 12)	3.3 (1.5, 7) 13 (9, 17)	43 (35, 49)
8	10 (6, 13)	15 (9, 17)	45 (55, 49)
EQ-5D self-care at discharge	67 (40 70)	05 (50 00)	EO (44 E4)
I have no problems with self-care	67 (48, 76)	85 (78, 89)	50 (44, 54)

I have some problems bathing or dressing myself	11 (0, 21)	8.3 (4.8, 13)	$31\ (26,\ 35)$
I am unable to bathe or dress myself	$22\ (11,\ 33)$	6.7 (3.3, 11)	19 (13, 22)
Missing	10 (6, 13)	13 (9, 17)	43 (35, 49)
EQ-5D usual activities at discharge			
I have no problems in performing my usual activities	61 (45, 73)	85 (78, 89)	47 (41, 51)
I have some problems in performing my usual activities	22(11, 35)	8.3 (4.8, 13)	38 (32, 41)
I am unable to perform my usual activities	17 (6.7, 29)	6.7 (3.3, 11)	15 (10, 18)
Missing	10 (6, 13)	13 (9, 17)	43 (35, 49)
EQ-5D pain/discomfort at discharge			
I have no pain or discomfort	50 (33, 62)	65 (56, 71)	25 (19, 28)
I have moderate pain or discomfort	50 (32, 60)	30 (22, 36)	35 (30, 40)
I have extreme pain or discomfort		5(2.1, 9.2)	40 (34, 44)
Missing	10 (6, 13)	13 (9, 17)	43 (35, 49)
EQ-5D anxiety/depression at discharge			
I am not anxious or depressed	83 (69, 90)	95 (89, 97)	92 (88, 94)
I am moderately anxious or depressed	17 (7.1, 28)	5 (1.9, 9.14)	6.8 (4.5, 10)
I am extremely anxious or depressed			$1.7 \ (0.7, \ 3.3)$
Missing	10 (6, 13)	13 (9, 17)	43 (35, 49)
EQ-5D mobility at 30 day follow-up			
I have no problems in walking	80 (65, 88)	98 (90, 98)	77 (70, 80)
I have some problems in walking	20 (11, 33)		$17\ (12,\ 21)$
I am confined to bed		1.7(0, 4.3)	5.9 (3.58, 9.3)
Missing	8 (5, 11)	15 (10, 19)	59 (50, 66)
EQ-5D self-care at 30 day follow-up	00 (0= 00 0)	07 (00 00)	<b>T</b> O ( <b>T</b> O 00)
I have no problems with self-care	80 (67, 88.3)	97 (93, 98)	79 (72, 82)
I have some problems bathing or dressing myself	10 (4.2, 19.45)	0.4 (4.5.5)	15 (11, 19)
I am unable to bathe or dress myself	10 (4.3, 21)	$3.4\ (1.5,\ 7)$	5.9 (3.5, 9)
Missing	8 (5, 11)	15 (10, 19)	59 (50, 66)
EQ-5D usual activities at 30 day follow-up	FF (00 0F)	05 (00 05)	21 (75 24)
I have no problems in performing my usual activities	75 (62, 85)	95 (89, 97)	81 (75, 84)
I have some problems in performing my usual activities	15 (7.1, 26)	1.7 (0, 4.8)	12 (8.3, 15)
I am unable to perform my usual activities	10 (4.3, 21)	3.4 (1.5, 7)	6.9 (4.3, 10)
Missing	8 (5, 11)	15 (10, 19)	59 (50, 66)
EQ-5D pain/discomfort at 30 day follow-up	90 (67 99)	96 (70, 00)	70 (79, 89)
I have no pain or discomfort	80 (67, 88)	86 (79, 90)	79 (72, 82)
I have moderate pain or discomfort	20 (9.5, 31.58)	14 (8.45, 19)	19 (14, 23)
I have extreme pain or discomfort Missing	8 (5, 11)	15 (10, 19)	2 (0.9, 4.4) 59 (50, 66)
EQ-5D anxiety/depression at 30 day follow-up	0 (0, 11)	13 (10, 19)	39 (30, 00)
I am not anxious or depressed	85 (71, 92)	97 (92, 98)	95 (91, 96)
I am moderately anxious or depressed	15 (7.1, 26)	3.4 (1.51, 7)	3.9 (2, 6.9)
I am extremely anxious or depressed	10 (7.1, 20)	3.4 (1.31, 7)	1 (0, 2.5)
Missing	8 (5, 11)	15 (10, 19)	59 (50, 66)
Patient satisfaction	0 (0, 11)	10 (10, 13)	65 (60, 60)
Very satisfied	79 (67, 86)	94 (88, 96)	70 (64, 73)
Somewhat satisfied	13 (5.6, 22)	5.7 (2.9, 9.7)	14 (9.7, 16)
Somewhat dissatisfied	4.2 (0, 11)	0.1 (2.3, 3.1)	9.4 (7, 13)
Very dissatisfied	4.2 (0, 12)		5.8 (3.5, 8.1)
Missing	4 (1, 5)	3 (1, 4)	23 (17, 27)
Number of hospitalizations for this injury	1 (1, 0)	0 (1, 1)	20 (11, 21)
Missing	3 (1, 4)	11 (7, 14)	34 (27, 40)
EQ-5D health state at discharge	65 (60, 75)	90 (80, 90)	50 (5, 50)
Missing	10 (6, 13)	19 (14, 24)	48 (40, 55)
EQ-5D health state at 30 day follow-up	83 (80, 95)	() <b>-</b> -/	83 (50, 90)
Missing	8 (5, 11)	17 (12, 21)	61 (52, 68)
Cost of treatment	5000 (0, 7000)	1500 (296.03, 1500)	2500 (1750, 5000)
Missing	21 (15, 25)	21 (15, 26)	90 (80, 98)
<u>~</u>	( - / - /	( ) -)	( -)/

#### Absolute change from baseline for all outcomes, comparing the period after training with the period before training, by treatment arms

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 161$
30 day mortality			
Yes	3.8 (0, 11)	-5.1 (-10.8, 1.05)	13.4 (7.46, 17.1)
No	-4 (-16.48, -3)	5 (-2, 10)	-13 (-17, -8)
Missing	0 (-3, 1)	4 (-2, 8)	23 (17, 28)
24 hour mortality			
Yes			-2.4 (-6.91, 0)

No	0 ( 0 1)	2 ( 2 7)	2(0,4)
Missing In heavital mentality	0 (-3, 1)	3 (-2, 7)	7(4, 9.21)
In-hospital mortality Yes	3.7 (0, 11)	-2.9 (-8.3, 1.1)	7.1 (1, 11)
No	-4 (-16.92, -3)	3 (-2, 7)	-7 (-12, -2)
Missing	1 (0, 1)	~ ( -, · )	2 (0, 3)
Self-ambulatory at discharge	( ) /		<i>、,</i>
Yes	8 (0, 18)	1 (-4, 4)	4 (0, 9)
No	-8.3 (-24.56, 0)	-1.2 (-5.9, 2.4)	-3.6 (-9.7, 0)
Missing	0 (-4, 2)	-5 (-10, -3)	$22\ (15,\ 27)$
Return to work	05 ( 45 0)	4 ( 10 5)	10 (1 00)
Yes No	-25 (-45, 0) 25 (-2, 43)	-4 (-16, 5) 4 (-7, 14)	12 (-1, 22) -12 (-25, -2)
Missing	-1 (-7, 3)	1 (-6, 6)	44 (34, 52)
Pulmonary complication	-1 (-1, 0)	1 (-0, 0)	44 (04, 02)
Yes		-2.2 (-6.8, 0)	
No		2(0,3)	
Missing	-1 (-6, 1)	-1 (-7, 3)	31 (23, 36)
Septic complication			
Yes		-1.2 (-6.1, 2.76)	-1.7 (-5.6, 0.8)
No	1 ( 0 1)	1 (-4, 5)	1 (-2, 3)
Missing Renal failure	-1 (-6, 1)	-2 (-8, 2)	$32\ (24,\ 37)$
Yes			
No			
Missing	0 (-5, 2)	-1 (-7, 3)	31 (23, 36)
Coagulopathy	. , ,	. , ,	, ,
Yes	4.3 (0, 12.83)		
No	-4 (-13, 0)		
Missing	-1 (-6, 1)	-2 (-8, 2)	$31\ (23,\ 36)$
Need for reexploration or resurgery		0 5 ( 4 0 1 5)	25 (00 46)
Yes No		-0.5 (-4.9, 1.5) 0 (-4, 1)	2.5 (0.9, 4.6) -3 (-8, -3)
Missing	2 (-3, 4)	0 (-5, 4)	41 (34, 48)
Failure of conservative management	2 ( 0, 1)	0 ( 0, 1)	11 (01, 10)
No	-8 (-20, -4)	0 (-5, 1)	-2 (-6.47, -2)
Yes	8 (3.4, 17)	-0.6 (-5.3, 1.5)	1.7(0, 3.4)
Missing	-7 (-13, -4)	1 (-5, 5)	42 (33, 48)
EQ-5D mobility at discharge	22 (2, 22)	0 (0 40 00)	0 (44, 40)
I have no problems in walking	22 (3, 39)	9 (0, 16.36)	0 (-11, 10)
I have some problems in walking I am confined to bed	2.7 (-13, 13) -25 (-46, -14)	-7 (-13.2, 0.07) -1.6 (-6.9, 2.8)	1 (-8, 8) -2 (-14, 5)
Missing	6 (1, 9)	-3 (-10, 3)	41 (33, 47)
EQ-5D self-care at discharge	0 (1, 3)	-5 (-10, 5)	41 (00, 41)
I have no problems with self-care	9 (-14, 30)	5 (-4, 13)	-9 (-20, 1)
I have some problems bathing or dressing myself	-6 (-25, 6.7)	-3.7 (-11.1, 3)	16 (8, 24)
I am unable to bathe or dress myself	-3 (-25, 14)	-0.6 (-6.49, 6.4)	-7 (-19, 0)
Missing	6(1, 9)	-3 (-10, 3)	41 (33, 47)
EQ-5D usual activities at discharge	11 / 14 91)	0 (1 17)	7 ( 10 9)
I have no problems in performing my usual activities I have some problems in performing my usual activities	11 (-14, 31) -3 (-24, 14.74)	9 (-1, 17) -6.7 (-15.2, 0)	-7 (-18, 3) 10 (0.04, 19)
I am unable to perform my usual activities	-8 (-27, 9)	-3.1 (-10.2, 3.1)	-3 (-14, 3)
Missing	6 (1, 9)	-3 (-10, 3)	41 (33, 47)
EQ-5D pain/discomfort at discharge	- ( ) - )	- ( -) -)	(==)
I have no pain or discomfort	17 (-6, 36)	31 (17, 40)	-8 (-20, 0)
I have moderate pain or discomfort	-17 (-39, 3)	-33 (-44, -21)	-6 (-16, 5)
I have extreme pain or discomfort	- ()	2.6 (-2, 6.51)	14 (2, 20)
Missing	6(1, 9)	-3 (-10, 3)	41 (33, 47)
EQ-5D anxiety/depression at discharge I am not anxious or depressed	33 (11, 52)	22 (13, 30)	13 (5, 22)
I am moderately anxious or depressed	-33 (-54, -14)	-19 (-28, -11.03)	-11.2 (-20, -4.2)
I am extremely anxious or depressed	00 (01, 11)	-2.4 (-7.5, 0)	-0.9 (-5.76, 1.1)
Missing	6 (1, 9)	-3 (-10, 3)	41 (33, 47)
EQ-5D mobility at 30 day follow-up	,	/	/
I have no problems in walking	13 (-17, 39)	7 (1, 11)	12 (-1, 22)
I have some problems in walking	3 (-26.47, 20)	-7 (-14, -4.3)	4 (-6, 11)
I am confined to bed	-17 (-50, 0)	-0.6 (-4.9, 1.8)	-17.1 (-28.24, -9.7)
Missing EQ-5D self-care at 30 day follow-up	-2 (-8, 2)	1 (-6, 6)	49 (39, 56)
I have no problems with self-care	-3 (-20, 28)	6 (0, 11)	8 (-3, 17)
I have some problems bathing or dressing myself	-7 (-38.33, 9.1)	-4.7 (-10, -2.3)	8.5 (1.5, 14.6)
I am unable to bathe or dress myself	10 (4.3, 21)	-1.3 (-6.5, 2.8)	-17.1 (-27.4, -9.1)
	•	•	•

Missing	-2 (-8, 2)	1 (-6, 6)	49 (39, 56)
EQ-5D usual activities at 30 day follow-up		. , ,	. , ,
I have no problems in performing my usual activities	-25 (-38, -15)	4 (-4, 8)	10 (-1, 20)
I have some problems in performing my usual activities	15 (7.1, 26)	-3 (-8.43, 0)	-7 (-17, 1)
I am unable to perform my usual activities	10 (4.3, 21)	-1.3 (-6.5, 2.8)	-2.8 (-12.01, 2.9)
Missing	-2 (-8, 2)	1 (-6, 6)	49 (39, 56)
EQ-5D pain/discomfort at 30 day follow-up			
I have no pain or discomfort	13 (-13, 39)	9 (-1, 17)	5 (-5, 16)
I have moderate pain or discomfort	-13 (-40.9, 11)	-7 (-16.36, 2)	-7 (-21, 1)
I have extreme pain or discomfort		-2.3 (-7, 0)	2(0.9, 4.4)
Missing	-2 (-8, 2)	1 (-6, 6)	49 (39, 56)
EQ-5D anxiety/depression at 30 day follow-up			
I am not anxious or depressed	-15 (-29, -8)	11 (5, 17)	-2 (-6, 2)
I am moderately anxious or depressed	15 (7.1, 26)	-8.6 (-15.37, -3)	0.7 (-6.24, 3.7)
I am extremely anxious or depressed		-2.3 (-7, 0)	1(0, 2.5)
Missing	-2 (-8, 2)	1 (-6, 6)	49 (39, 56)
Patient satisfaction			
Very satisfied	15 (-3, 33)	21 (11, 26)	3 (-8, 12)
Somewhat satisfied	-23 (-41.7, -8)	-10.3 (-17.72, -4.15)	-9 (-19, -2)
Somewhat dissatisfied	4.2(0,11)	-3.9 (-8.25, -1.9)	1.7 (-5.3, 6.3)
Very dissatisfied	4.2(0,12)	-7.8 (-13, -4.3)	3.2 (-2.2, 5.9)
Missing	2 (-2, 4)	-3 (-8, -1)	$21\ (15,\ 26)$
Number of hospitalizations for this injury	0 (-1, -0.5)		
Missing	-7 (-13, -4)	3 (-3, 7)	32 (25, 39)
EQ-5D health state at discharge	5 (-20, 20)	10 (-10, 10)	0 (-45, 45)
Missing	5(0, 8)	3 (-4, 9)	38 (28, 45)
EQ-5D health state at 30 day follow-up	-17 (-25, -5)		73 (41, 91)
Missing	-2 (-8, 2)	2(-6,7)	47 (36, 55)
Cost of treatment	-2000 (-12000, 5000)	-525 (-3500, 250)	-11500 (-33000, -1000)
Missing	7 (-1, 12)	3 (-5, 9)	67 (55, 78)

# Relative change from baseline for all outcomes, comparing the period after training with the period before training, by treatment arms

Outcome	ATLS, $N = 28$	PTC,N=73	Standard care, $N = 161$
30 day mortality			
Yes		0.49 (0.17, 1.19)	6.15 (4.58, 9.46)
No	$0.96 \ (0.84, \ 0.97)$	1.06 (0.99, 1.12)	0.87 (0.83, 0.93)
Missing	1(0, 2)	1.5 (0.86, 2.4)	8.67 (4.4, 15)
24 hour mortality		, , ,	
Yes			
No			1.02 (1, 1.04)
Missing	1 (0, 2)	1.6 (0.8, 3.5)	
In-hospital mortality			
Yes		0.59 (0.2, 1.48)	2.45 (1.22, 5)
No	$0.96 \ (0.83, \ 0.97)$	1.03 (0.99, 1.09)	$0.93 \ (0.89, \ 0.99)$
Missing			
Self-ambulatory at discharge			
Yes	1.09 (1, 1.22)	$1.01\ (0.97,\ 1.05)$	1.04 (1, 1.11)
No		$0.71\ (0.25,\ 2.19)$	$0.29 \ (0.12, \ 0.93)$
Missing	1 (0.25, 1.75)	$0.38 \ (0.12, \ 0.83)$	12 (5.67, 24)
Return to work			
Yes	$0.7 \ (0.52, \ 0.98)$	$0.95 \ (0.81, \ 1.08)$	1.29 (1, 1.73)
No	2.47 (1.75, 5.1)	1.15 (0.82, 1.74)	$0.8 \; (0.64,  0.98)$
Missing	0.9 (0.47, 1.5)	1.07 (0.7, 1.67)	4.67 (3.25, 6.56)
Pulmonary complication			
Yes			
No		1.02(1, 1.03)	
Missing	$0.83 \ (0.33, \ 1.5)$	$0.91 \ (0.55, \ 1.5)$	16.5 (7.75, 33)
Septic complication			
Yes		$0.73 \ (0.26, \ 2.5)$	$0.32 \ (0.17, \ 1.33)$
No		$1.01\ (0.97,\ 1.05)$	1.01 (0.98, 1.03)
Missing	$0.83 \ (0.33, \ 1.5)$	$0.83 \ (0.5, \ 1.33)$	33(20,42)
Renal failure			
Yes			
No			
Missing	1 (0.33, 1.67)	$0.91 \ (0.55, \ 1.5)$	32(19, 41)
Coagulopathy			

Yes			
No	$0.96 \ (0.87, \ 1)$		
Missing	$0.83 \ (0.33, \ 1.5)$	$0.83 \ (0.5, \ 1.3)$	32 (19, 41)
Need for reexploration or resurgery		0.76 (0.22, 2.0)	
Yes No		0.76 (0.33, 2.9) 1 (0.96, 1.01)	0.97 (0.92, 0.97)
Missing	1.5(0.6, 3)	1 (0.56, 1.5)	42 (32, 52)
Failure of conservative management	- (, -,	(,	(- , - )
No	$0.92\ (0.8,\ 0.96)$	1 (0.95, 1.01)	$0.98 \ (0.94, \ 0.98)$
Yes	/	0.73 (0.18, 2.51)	()
Missing	$0.3\ (0.11,\ 0.67)$	$1.09 \ (0.67, \ 1.75)$	$22\ (11,\ 45)$
EQ-5D mobility at discharge I have no problems in walking	1.33 (1.04, 1.76)	1.11 (1.01, 1.23)	1 (0.84, 1.19)
I have some problems in walking	1.33 (0.73, 3.97)	0.42 (0.17, 1.05)	1.06 (0.68, 1.7)
I am confined to bed	, , ,	0.67(0.27, 2.28)	0.9 (0.55, 1.35)
Missing	2.5 (1.17, 4.67)	$0.81\ (0.52,\ 1.31)$	21.5 (10.5, 43)
EQ-5D self-care at discharge	/	/	(
I have no problems with self-care	1.16 (0.82, 1.72)	1.06 (0.96, 1.19)	0.85 (0.71, 1.02)
I have some problems bathing or dressing myself I am unable to bathe or dress myself	0.65 (0.19, 1.85) 0.88 (0.39, 2)	0.69 (0.32, 1.43) 0.92 (0.44, 2.92)	2.07 (1.38, 3.8) 0.73 (0.46, 1)
Missing	2.5 (1.17, 4.67)	0.81 (0.52, 1.31)	21.5 (10.5, 43)
EQ-5D usual activities at discharge	=== (===+, ===+)	0.02 (0.02, 2.02)	(
I have no problems in performing my usual activities	1.22 (0.79, 1.86)	1.12 (0.99, 1.26)	$0.87 \ (0.73, \ 1.07)$
I have some problems in performing my usual activities	$0.88 \ (0.38, \ 2.1)$	$0.55 \ (0.25, \ 1.03)$	1.36 (1.03, 1.96)
I am unable to perform my usual activities	0.68 (0.28, 1.79)	0.68 (0.3, 1.75)	0.83 (0.49, 1.28)
Missing EQ-5D pain/discomfort at discharge	2.5 (1.17, 4.67)	$0.81 \ (0.52, \ 1.31)$	21.5 (10.5, 43)
I have no pain or discomfort	1.52 (0.88, 2.76)	1.91 (1.41, 2.5)	0.76 (0.55, 1.04)
I have moderate pain or discomfort	0.75 (0.51, 1.07)	0.48 (0.36, 0.62)	0.85 (0.68, 1.19)
I have extreme pain or discomfort		2.08 (1.35, 4.77)	1.54 (1.1, 2.09)
Missing	2.5 (1.17, 4.67)	$0.81 \ (0.52, \ 1.31)$	21.5 (10.5, 43)
EQ-5D anxiety/depression at discharge	1 00 (1 15 05)	4.0 (4.45 4.40)	4.40 (4.07.4.00)
I am not anxious or depressed	1.66 (1.17, 2.5)	1.3 (1.17, 1.48)	1.16 (1.07, 1.32)
I am moderately anxious or depressed I am extremely anxious or depressed	0.34 (0.14, 0.68)	$0.21\ (0.09,\ 0.43)$	0.38 (0.21, 0.73) 0.65 (0.35, 1.68)
Missing	2.5 (1.17, 4.67)	$0.81\ (0.52,\ 1.31)$	21.5 (10.5, 43)
EQ-5D mobility at 30 day follow-up			, ,
I have no problems in walking	1.19 (0.83, 1.86)	$1.08 \ (1.02, \ 1.15)$	1.18 (1.01, 1.4)
I have some problems in walking	$1.18 \ (0.8,  3.21)$	0 = 1 (0 0= 0 00)	1.31 (0.74, 2.65)
I am confined to bed	0.9 (0.49, 1.90)	0.74 (0.37, 3.22)	0.26 (0.12, 0.46)
Missing EQ-5D self-care at 30 day follow-up	0.8 (0.42, 1.29)	1.07 (0.68, 1.64)	5.9 (4.06, 9)
I have no problems with self-care	0.96 (0.8, 1.53)	1.07 (1.01, 1.14)	1.11 (0.97, 1.29)
I have some problems bathing or dressing myself	0.59 (0.33, 1.81)	, ,	2.31 (1.17, 5.15)
I am unable to bathe or dress myself		$0.72\ (0.23,\ 2.37)$	$0.26 \ (0.13, \ 0.46)$
Missing	$0.8 \ (0.42, \ 1.29)$	$1.07 \ (0.68, \ 1.64)$	5.9 (4.06, 9)
EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities	0.75 (0.62, 0.85)	1.04 (0.97, 1.11)	1 14 (1 1 22)
I have some problems in performing my usual activities	0.75 (0.02, 0.85)	0.36 (0, 1.7)	1.14 (1, 1.33) 0.63 (0.39, 1.15)
I am unable to perform my usual activities		0.72 (0.23, 2.37)	0.71 (0.32, 1.55)
Missing	0.8 (0.42, 1.29)	1.07 (0.68, 1.64)	5.9 (4.06, 9)
EQ-5D pain/discomfort at 30 day follow-up			
I have no pain or discomfort	1.19 (0.87, 1.88)	1.12 (1, 1.26)	1.07 (0.95, 1.26)
I have moderate pain or discomfort	$0.61 \ (0.32, \ 1.46)$	$0.67 \ (0.39, 1.15)$	$0.73 \ (0.47, \ 1.12)$
I have extreme pain or discomfort Missing	0.8 (0.42, 1.29)	1.07 (0.68, 1.64)	5.9 (4.06, 9)
EQ-5D anxiety/depression at 30 day follow-up	0.0 (0.12, 1.20)	1.07 (0.00, 1.01)	0.0 (1.00, 0)
I am not anxious or depressed	$0.85 \ (0.71, \ 0.92)$	$1.13\ (1.07,\ 1.23)$	$0.98 \ (0.94, 1.03)$
I am moderately anxious or depressed		$0.28 \ (0, \ 0.68)$	$1.22 \ (0.77, \ 2.71)$
I am extremely anxious or depressed	0.0 (0.40, 1.00)	1.07 (0.00 1.04)	T 0 (4 00 0)
Missing Patient satisfaction	$0.8 \ (0.42, \ 1.29)$	$1.07 \ (0.68, \ 1.64)$	5.9 (4.06, 9)
Very satisfied	1.23 (0.97, 1.67)	1.29 (1.14, 1.4)	1.04 (0.91, 1.21)
Somewhat satisfied	0.36 (0.16, 0.83)	0.36 (0.17, 0.7)	0.61 (0.39, 0.88)
Somewhat dissatisfied	, , ,	, , ,	1.22 (0.59, 2.46)
Very dissatisfied			$2.23\ (1.43,\ 3.85)$
Missing	2(0.53, 4)	0.5 (0.14, 1)	11.5 (5.4, 23)
Number of hospitalizations for this injury	03 (011 067)	1 38 (0.78 9.99)	17 (0 = 95)
Missing EQ-5D health state at discharge	0.3 (0.11, 0.67) 1.08 (0.8, 1.46)	1.38 (0.78, 2.33) 1.12 (0.89, 1.12)	17 (8.5, 35) 1 (0.38, 10)
Missing	2 (1, 3.33)	1.19 (0.8, 1.82)	4.8 (3.15, 7)
EQ-5D health state at 30 day follow-up	0.83 (0.75, 0.95)	. , ,	8.3 (0.91, 10.56)

Missing	0.8 (0.42, 1.29)	1.13 (0.71, 1.67)	4.36 (2.95, 5.83)
Cost of treatment	$0.71\ (0.36,\ 2.53)$	$0.74\ (0.32,\ 1.2)$	$0.18 \ (0.06, \ 0.67)$
Missing	1.5 (0.94, 2.09)	1.17 (0.81, 1.7)	3.91 (2.93, 4.95)

#### Absolute and relative differences in outcomes after training, comparing standard care with $\operatorname{ATLS}$

Outcome	Absolute difference	Relative difference
Outcome	Absolute difference	Ttelative difference
30 day mortality	12.2 (0. 22)	4 91 (9 4 15 71)
Yes No	12.2 (9, 22) -12 (-22.86, -10)	4.21 (3.4, 15.71) 0.88 (0.78, 0.91)
Missing	24 (25, 39)	13 (22, 40)
24 hour mortality	21 (20, 00)	15 (22, 15)
Yes		
No		
Missing	5(3, 13)	3.5(4, 14)
In-hospital mortality	0.0 (7.0 17.0)	0.04 (0.77, 40.00)
Yes N-	8.3 (5.2, 15.6)	3.24 (2.55, 13.36)
No Missing	-8 (-16, -6) 1 (-2, 3)	$0.92 (0.84, 0.95) \\ 2 (2, 5)$
Self-ambulatory at discharge	1 (-2, 5)	2 (2, 0)
Yes	-1 (-7, 0)	0.99 (0.95, 1.01)
No	1.5 (0, 6.54)	, , ,
Missing	20 (-3, 30)	6 (0.36, 27)
Return to work		
Yes	-5 (-23, 20)	0.91 (0.69, 1.4)
No Missing	5 (-21, 22)	1.12 (0.58, 1.88)
Missing Pulmonary complication	47 (45, 63)	$6.22 \ (7.31, 53)$
Yes		
No		
Missing	28 (25, 46.61)	6.6(8,43)
Septic complication		
Yes	0.8 (-1.4, 5.64)	
No	-1 (-7.29, 0)	0.99 (0.93, 1.01)
Missing	28 (25, 45.19)	$6.6 \ (7.82, \ 43)$
Renal failure Yes		
No		
Missing	27 (24, 44.91)	6.4(7.5,42)
Coagulopathy	, , ,	, ,
Yes	-4.3 (-16, -6.3)	
No	4 (4, 16)	$1.04 \ (1.04, \ 1.19)$
Missing	27 (24, 44.91)	6.4 (7.5, 42)
Need for reexploration or resurgery Yes	25 (1 8 7 61)	
No	2.5 (1.8, 7.61) -3 (-8, -4)	0.97 (0.92, 0.97)
Missing	36 (32.6, 54.89)	7 (7.18, 48)
Failure of conservative management	(,,	. (, -,
No	6 (7.06, 26)	1.07 (1.1, 1.36)
Yes	-6.3 (-26, -9.11)	$0.21\ (0,\ 0.89)$
Missing	41 (40, 56)	$14.67 \ (26.5, 55)$
EQ-5D mobility at discharge	97 ( 40 . 9.75)	07 (057 110)
I have no problems in walking I have some problems in walking	-27 (-40, 9.75) 8 (-12.3, 19)	0.7 (0.57, 1.12) 1.73 (0.25, 6.87)
I am confined to bed	19 (17, 28.98)	1.75 (0.25, 0.67)
Missing	33 (27, 47.79)	4.3 (4, 20.5)
EQ-5D self-care at discharge	( ., ,	- ( ) )
I have no problems with self-care	-17 (-40, 36)	$0.75 \ (0.55, \ 1.72)$
I have some problems bathing or dressing myself	20 (-14, 31.37)	$2.82 \ (0.42, \ 8.23)$
I am unable to bathe or dress myself	-3 (-18, 14.26)	0.86 (0.18, 3.44)
Missing	$33\ (27,\ 47.79)$	4.3 (4, 20.5)
EQ-5D usual activities at discharge I have no problems in performing my usual activities	-14 (-42.53, 40)	0.77 (0.51, 1.87)
I have some problems in performing my usual activities	16 (-30, 34.16)	1.73 (0.21, 6.79)
I am unable to perform my usual activities	-2 (-15.46, 9.2)	0.88 (0.21, 2.6)
Missing	33 (27, 47.79)	4.3 (4, 20.5)
EQ-5D pain/discomfort at discharge		

I have no pain or discomfort	-25 (-46, 40)	0.5 (0.32, 2.35)
I have moderate pain or discomfort	-15 (-49, -15)	0.7~(0.27,~0.77)
I have extreme pain or discomfort	40 (38.64, 55)	
Missing	33 (27, 47.79)	4.3(4, 20.5)
EQ-5D anxiety/depression at discharge	, ,	, ,
I am not anxious or depressed	9 (8, 36)	1.11 (1.11, 1.68)
I am moderately anxious or depressed	-10.2 (-39.9, -13.27)	0.4 (0, 0.57)
I am extremely anxious or depressed	1.7 (0, 4.76)	(-, ,
Missing	33 (27, 47.79)	4.3 (4, 20.5)
EQ-5D mobility at 30 day follow-up	33 (21, 11110)	110 (1, 2010)
I have no problems in walking	-3 (-23, 23)	$0.96 \ (0.77, 1.32)$
I have some problems in walking	-3 (-21, 18)	0.85 (0.62, 5.21)
I am confined to bed	5.9 (5.1, 14.68)	0.00 (0.02, 0.21)
Missing	51 (49, 69)	7.38 (8.71, 53)
EQ-5D self-care at 30 day follow-up	31 (10, 00)	1.55 (6.1.1, 55)
I have no problems with self-care	-1 (-19, 21)	0.99 (0.8, 1.27)
I have some problems bathing or dressing myself	5 (-16, 17)	1.5 (2.01, 4.17)
I am unable to bathe or dress myself	-4.1 (-26.91, -2.6)	0.59 (0, 1.13)
Missing	51 (49, 69)	7.38 (8.71, 53)
EQ-5D usual activities at 30 day follow-up	51 (45, 05)	7.30 (0.71, 55)
I have no problems in performing my usual activities	6 (-14.58, 20)	1.08 (0.85, 1.28)
	` . · · · · · · · · · · · · · · · · · ·	
I have some problems in performing my usual activities I am unable to perform my usual activities	-3 (-14, 11.5)	0.8 (0.11, 7.78)
	-3.1 (-15.84, 0.6)	0.69 (0, 1.68)
Missing FO 5D pain /discomfort at 20 day follow up	51 (49, 69)	$7.38 \ (8.71, 53)$
EQ-5D pain/discomfort at 30 day follow-up	1 ( 19, 11)	0.00 (0.86 1.14)
I have no pain or discomfort	-1 (-12, 11)	0.99 (0.86, 1.14)
I have moderate pain or discomfort	-1 (-13, 7)	$0.95 \ (0.48, \ 1.64)$
I have extreme pain or discomfort	2 (0.9, 6.95)	7.90 (0.71 59)
Missing	51 (49, 69)	$7.38 \ (8.71, 53)$
EQ-5D anxiety/depression at 30 day follow-up	10 (11 90)	1 10 (1 15 1 50)
I am not anxious or depressed	10 (11, 36)	1.12 (1.15, 1.58)
I am moderately anxious or depressed	-11.1 (-35.8, -12.99)	$0.26 \ (0, \ 0.41)$
I am extremely anxious or depressed	1(0, 3.61)	
Missing	51 (49, 69)	7.38 (8.71, 53)
Patient satisfaction	0 ( 0 = 0 1)	0.00 (0.71 1.07)
Very satisfied	-9 (-27, 24)	$0.89 \ (0.71, 1.35)$
Somewhat satisfied	1 (-11.4, 10.86)	$1.08 \ (0.27, \ 3.33)$
Somewhat dissatisfied	5.2 (-9.5, 12)	2.24 (2.61, 4.12)
Very dissatisfied	1.6 (-6.8, 7.11)	$1.38\ (1.79,\ 3.95)$
Missing	19 (-1, 29)	$5.75 \ (0.67, \ 26)$
Number of hospitalizations for this injury		
Missing	31 (30, 47)	$11.33 \ (19.97, \ 48)$
EQ-5D health state at discharge	-15 (-50, 40)	$0.77 \ (0.33, \ 1.8)$
Missing	38 (36.51, 53)	4.8 (5.61, 23)
EQ-5D health state at 30 day follow-up	0 (-20, 20)	1 (0.8, 1.25)
Missing	53 (52, 73)	7.62 (9.4, 53)
Cost of treatment	-2500 (-33500, -1750)	0.5 (0, 0.75)
Missing	69 (53, 89)	4.29 (3.24, 8.29)

### Absolute and relative differences in outcomes after training, comparing standard care with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	11.1 (3, 19)	3.27 (2.08, 10.99)
No	-11 (-19.66, -4)	0.88 (0.8, 0.97)
Missing	14 (-10, 26)	2.17(0,5)
24 hour mortality		
Yes		
No		
Missing	-1 (-15.87, 0)	0.88(0, 1.43)
In-hospital mortality		
Yes	7.9 (2.7, 15)	2.93 (2.06, 10.43)
No	-8 (-15, -4.17)	$0.92 \ (0.85, 0.97)$
Missing	2(0,5)	
Self-ambulatory at discharge		
Yes	2 (1, 12)	1.02 (1.02, 1.14)
No	-1.4 (-12, -1.4)	

Missing	21 (16, 32)	8 (5.75, 30.23)
Return to work	21 (10, 52)	0 (0.10, 00.20)
Yes	-17 (-41, -16)	0.76 (0.42, 0.79)
No Missing	17 (14, 41)	1.57 (1.5, 6.48)
Pulmonary complication	40 (4, 56)	3.5 (0.73, 8.25)
Yes		
No M:	09 (0. 95)	9.9 (0.4.9.95)
Missing Septic complication	$23\ (2,35)$	3.3 (0.4, 8.25)
Yes	-2.4 (-8.7, -3.2)	
No	2(1, 9)	$1.02\ (1.03,\ 1.1)$
Missing	23 (3, 35)	$3.3 \ (0.42, \ 8.25)$
Renal failure Yes		
No		
Missing	22(2,34)	3.2 (0.4, 8)
Coagulopathy	0 ( 11 0)	
Yes No	0 (-11, 0) 0 (-17, -5)	1 (0.83, 0.95)
Missing	22 (2, 34)	3.2 (0.4, 8)
Need for reexploration or resurgery	( ) /	· / /
Yes	0.9 (-3.03, 2.7)	(
No Missing	-1 (-4, 2) 32 (3, 46)	0.99 (0.97, 1.02) 4.2 (0.81, 10.5)
Failure of conservative management	32 (3, 40)	4.2 (0.81, 10.3)
No	0 (-17.51, 2)	1 (0.83, 1.02)
Yes	0.1 (-3, 15.66)	$1.06 \ (0.91, \ 17)$
Missing	32 (4, 47)	3.67 (0.07, 10)
EQ-5D mobility at discharge I have no problems in walking	-30 (-45.63, -26)	0.67 (0.55, 0.73)
I have some problems in walking	14 (11.86, 30.06)	3.8 (4.21, 16.11)
I am confined to bed	$15.7 \ (1.6, 24)$	
Missing	30(2,44)	$3.31\ (1.07,\ 7.17)$
EQ-5D self-care at discharge I have no problems with self-care	-35 (-52, -37)	0.59 (0.44, 0.58)
I have some problems bathing or dressing myself	22.7 (17, 39.66)	3.73 (2.83, 18.28)
I am unable to bathe or dress myself	12.3 (9, 43.45)	2.84 (2.41, 20)
Missing	30(2,44)	$3.31\ (1.07,\ 7.17)$
EQ-5D usual activities at discharge I have no problems in performing my usual activities	-38 (-61, -40)	0.55 (0.35, 0.54)
I have some problems in performing my usual activities	29.7 (29.8, 46.5)	4.58 (4.94, 26.47)
I am unable to perform my usual activities	8.3 (4.49, 28.03)	2.24 (1.79, 17.88)
Missing	30(2,44)	$3.31\ (1.07,\ 7.17)$
EQ-5D pain/discomfort at discharge I have no pain or discomfort	-40 (-62, -40)	0.38 (0.21, 0.39)
I have moderate pain or discomfort	5 (-1, 43.95)	1.17 (1.03, 3.38)
I have extreme pain or discomfort	35 (1.89, 45)	
Missing	30(2,44)	$3.31\ (1.07,\ 7.17)$
EQ-5D anxiety/depression at discharge I am not anxious or depressed	-3 (-27, 0)	0.97 (0.72, 1.01)
I am moderately anxious or depressed	1.8 (-2.25, 26.57)	1.36 (1.02, 16.77)
I am extremely anxious or depressed	1.7 (0, 4.79)	, , ,
Missing	30(2,44)	$3.31\ (1.07,\ 7.17)$
EQ-5D mobility at 30 day follow-up I have no problems in walking	-21 (-50, -24)	0.79 (0.5, 0.77)
I have some problems in walking	17 (17, 50)	0.19 (0.5, 0.11)
I am confined to bed	4.2(0, 9.23)	
Missing	44 (3, 59)	$3.93 \ (0.69, 9.83)$
EQ-5D self-care at 30 day follow-up I have no problems with self-care	-18 (-39, -20)	0.81 (0.61, 0.8)
I have some problems bathing or dressing myself	15 (15, 33)	0.01 (0.01, 0.0)
I am unable to bathe or dress myself	2.5 (-0.26, 18)	1.74 (1.38, 11.76)
Missing	44(3, 59)	$3.93 \ (0.69,  9.83)$
EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities	-14 (-46, -15)	0.85 (0.52, 0.85)
I have some problems in performing my usual activities	10.3 (9.8, 41.2)	7.06 (11.16, 23.89)
I am unable to perform my usual activities	3.5 (1.2, 18.85)	2.03 (1.93, 11.76)
Missing	44(3, 59)	$3.93 \ (0.69,  9.83)$
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort	-7 (-23.17, -3)	0.92 (0.76, 0.98)
I have moderate pain or discomfort	5 (-1, 20)	1.36 (1, 4.95)
*	` ' '	( , , ,

I have extreme pain or discomfort Missing EQ-5D anxiety/depression at 30 day follow-up	2 (0.9, 7.28) 44 (3, 59)	3.93 (0.69, 9.83)
I am not anxious or depressed	-2 (-38.01, -1)	0.98(0.64, 1)
I am moderately anxious or depressed	0.5 (-2.2, 29.07)	1.15 (0.83, 27.15)
I am extremely anxious or depressed	1 (0, 3.9)	
Missing	44 (3, 59)	$3.93 \ (0.69, 9.83)$
Patient satisfaction		
Very satisfied	-24 (-39, -26)	0.74 (0.6, 0.74)
Somewhat satisfied	8.3 (6.44, 29.62)	2.46 (2.22, 19.33)
Somewhat dissatisfied	9.4 (9, 17)	
Very dissatisfied	5.8 (4.7, 13)	
Missing	20 (15, 31)	7.67 (5.5, 30.23)
Number of hospitalizations for this injury		
Missing	23 (3, 36)	3.09 (0.08, 7.4)
EQ-5D health state at discharge	-40 (-89, -49.67)	$0.56 \ (0.06,  0.56)$
Missing	29 (2, 45)	$2.53 \ (0.48, 5.61)$
EQ-5D health state at 30 day follow-up	-17 (-91, -10)	$0.83\ (0.09,\ 0.9)$
Missing	44 (3, 61)	3.59 (0.42, 9.39)
Cost of treatment	1000 (-1000, 9000.8)	1.67 (1, 14.93)
Missing	69 (14.86, 88.27)	4.29 (1.64, 7.59)

# Absolute and relative differences in outcomes after training, comparing ATLS with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	-1.1 (-18.04, 3.3)	0.78(0, 2.21)
No	1 (-5, 18)	1.01 (0.96, 1.22)
Missing	-10 (-37, -10)	0.17(0, 0.16)
24 hour mortality		,
Yes		
No		
Missing	-6 (-15, -8)	0.25 (0, 0.17)
In-hospital mortality	- ( -, -,	- (-, ,
Yes	-0.4 (-13, 4.3)	0.9(0, 2.29)
No	0 (-6, 11)	1 (0.94, 1.13)
Missing	1 (0, 4)	- (0:0, -:0)
Self-ambulatory at discharge	- (*, -)	
Yes	3 (3, 14)	1.03 (1.03, 1.16)
No	-2.9 (-14, -3.9)	(,)
Missing	1 (-17.48, 18.69)	1.33 (0.17, 6.5)
Return to work	- ( -11-25, -21-22)	(,)
Yes	-12 (-37.81, -8)	0.83 (0.49, 0.92)
No	12 (6, 37)	1.4 (1.26, 3.31)
Missing	-7 (-59, -4)	0.56 (0.05, 0.74)
Pulmonary complication	. (30, 1)	0.00 (0.00, 0.1.1)
Yes		
No		
Missing	-5 (-42, -4)	0.5(0, 0.62)
Septic complication	0 (12, 1)	0.0 (0, 0.02)
Yes	-3.2 (-8.2, -4.54)	
No	3 (3, 8)	1.03 (1.03, 1.09)
Missing	-5 (-41, -4)	0.5 (0, 0.62)
Renal failure	0 (11, 1)	0.0 (0, 0.02)
Yes		
No		
Missing	-5 (-39, -4)	0.5(0, 0.62)
Coagulopathy	-0 (-05, -4)	0.0 (0, 0.02)
Yes	4.3 (5.72, 16)	
No	-4 (-16, -6)	0.96 (0.84, 0.94)
Missing	-5 (-39, -4)	0.5 (0, 0.62)
Need for reexploration or resurgery	-0 (-00, -4)	0.0 (0, 0.02)
Yes	-1.6 (-7.7, -1.8)	
No	2 (1, 8)	1.02 (1.01, 1.09)
Missing	-4 (-46, -3)	0.6 (0, 0.83)
Failure of conservative management	-4 (-40, -3)	0.0 (0, 0.03)
No	-6 (-26, -8.52)	0.94 (0.73, 0.92)
110	-0 (-20, -6.52)	0.34 (0.13, 0.32)

Missing	Yes	6.4 (8.3, 26.4)	5 (8.45, 27.14)
Inave no problems in walking   3 (29, 19)   0.97 (0.68, 1.3)     I am confined to bed   3.3 (2.6, 1.48)     San confined to bed to barbe or dress myself   1.5 (3.6, 1.43, 2.88)     San confined to barbe or dress myself   1.5 (3.6, 1.43, 2.88)     San confined to barbe or dress myself   1.5 (3.6, 1.43, 2.88)     San confined to barbe or dress myself   1.5 (3.6, 1.43, 2.88)     San confined to be perform ing my usual activities   1.5 (3.6, 1.43, 2.88)     San confined to performing my usual activities   1.5 (3.6, 1.5, 3.703)     San confined to perform ing usual activities   1.5 (4.4, 1.5)     San confined to perform ing usual activities   1.5 (4.4, 1.5)     San confined to perform ing usual activities   1.5 (4.4, 1.5)     San confined to perform ing usual activities   1.5 (4.4, 1.5)     San confined to perform ing usual activities   1.5 (4.4, 1.5)     San confined to perform ing usual activities   1.5 (4.4, 1.5)     San confined to bed   1.5 (4.4, 1.6)     San confined to bed   1.5 (4.4, 1.5)	Missing	-9 (-52, -8)	$0.25 \ (0,\ 0.25)$
In we some problems in walking	EQ-5D mobility at discharge		
Am confined to bed   3.3 (-26, 1.18)   0.77 (0.12, 0.92)	I have no problems in walking	-3 (-29, 19)	$0.97 \ (0.68, \ 1.3)$
Missing   Sq. (48.57, -1)   0.77 (0.12, 0.92)     Pave no problems with self-care   1-18 (-46, -3)   1.38 (0.34, 4.13)     I have some problems bathing or dressing myself   15.3 (16.34, 42.8)   3.28 (3.52, 20)     Missing   Sq. (48.57, -1)   0.77 (0.12, 0.92)     I have no problems in performing my usual activities   -24 (-59.75, -18)   0.77 (0.12, 0.92)     I have no problems in performing my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)     I have no problems in performing my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)     I am unable to perform my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)     I am unable to perform my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)     I am unable to perform my usual activities   15.44, 15   0.77 (0.12, 0.92)     EQ-5D pain/discomfort at discharge   -15 (-44, 15)   0.77 (0.12, 0.92)     I have noderate pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have moderate pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have moderate pain or discomfort   21 (-43, 16)   0.77 (0.12, 0.92)     EQ-5D anxiety/depression at discharge   -12 (-43, 16)   0.87 (0.55, 0.84)     I am nod anxious or depressed   -12 (-43, 16)   0.87 (0.55, 0.84)     I am nod anxious or depressed   -12 (-43, 16)   0.87 (0.55, 0.84)     I am extremely anxious or depressed   -12 (-43, 16)   0.87 (0.55, 0.84)     I am we some problems in walking   -18 (-55, 19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -18 (-55, 19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have no problems with self-care   -17 (-42, -15)   0.53 (0.05, 0.67)     EQ-5D self-care at 30 day follow-up   -18 (-66, 73, 24.3)   0.82 (0.45, 0.82)     I have no problems in performing my usual activities   -17 (-42, -15)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up   -18 (-66, 73, 24.3)   0.83 (0.65, 0.85)     I have no problems in performing my usual activities   -18 (-66, 73, 24.3)   0.83		6 (-4.5, 19.44)	$2.2\ (1.38,\ 11.79)$
EQ-5D self-care at discharge   1-18 (-46, -3)   0,79 (0.54, 1.13)     I have non problems with self-care   1-18 (-46, -3)   0,79 (0.54, 1.13)     I have non problems bathing or dressin myself   1.53 (16.34, 4.28)   3.28 (3.52, 20)     Missing   -3 (-48.57, -1)   0,777 (0.12, 0.92)     EQ-5D usual activities at discharge   -24 (-59.75, -18)   0,72 (0.42, 0.9)     I have no problems in performing my usual activities   1.03 (9.06, 5.03)   2.56 (2.11, 22.32)     I have some problems in performing my usual activities   1.03 (9.06, 5.03)   2.54 (2.56, 18.33)     Missing   -3 (-48.57, -1)   0,77 (0.12, 0.92)     EQ-5D pain/discomfort at discharge   -15 (-44, 15)   0,77 (0.17, 1.47)     I have no pain or discomfort   -15 (-44, 15)   0,77 (0.37, 1.47)     I have moterate pain or discomfort   -15 (-44, 15)   0,77 (0.37, 1.47)     I have moterate pain or discomfort   -20 (25, 49)   1.67 (1.88, 46)     I have extreme pain or discomfort   -3 (-48.57, -1)   0,77 (0.12, 0.92)     EQ-5D anxiety/depression at discharge   -3 (-48.57, -1)   0,77 (0.12, 0.92)     EQ-5D anxiety/depressed   -12 (-43, -16)   0,87 (0.55, 0.84)     I am moderately anxious or depressed   -12 (-43, -16)   0,87 (0.55, 0.84)     I am extremely anxious or depressed   -12 (-43, -16)   0,87 (0.55, 0.84)     I am extremely anxious or depressed   -12 (-43, -16)   0,87 (0.55, 0.84)     I am extremely anxious or depressed   -12 (-43, -16)   0,82 (0.45, 0.82)     I have some problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have none problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have none problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have none problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have none problems in performing my usual activities   -10 (5, 27.53)     I am unable to bathe or dress myself   -17 (-38, -20)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up   -19 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up   -19 (-66, -9)   0.53 (0.05			
Inave no problems with self-care   -18 (-46, -3)   0.79 (0.54, 1.13)     Inave no problems bathing or dressing myself   2.7 (-18, 20.83)   3.33 (0.34, 4.45)     Inam unable to bathe or dress myself   3.5 (16.34, 42.8)   3.28 (3.52, 20)     Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D usual activities at discharge   -1 (-5.97, 5, -18)   0.72 (0.42, 0.9)     Inave no problems in performing my usual activities   13.7 (-5, 37.03)   2.56 (2.11, 2.32)     Inam unable to perform my usual activities   10.3 (9.46, 50.3)   2.56 (2.11, 2.32)     Inam unable to perform my usual activities   -15 (-44, 15)   0.77 (0.12, 0.92)     EQ-5D pain/discomfort at discharge   -15 (-44, 15)   0.77 (0.12, 0.92)     Inave moderate pain or discomfort   -15 (-44, 15)   0.77 (0.13, 1.47)     Inave moderate pain or discomfort   -5 (-49, 2)     Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D anxiety/depression at discharge   -12 (-43, -16)   0.87 (0.55, 0.84)     Inam moderately anxious or depressed   -12 (-43, -16)   0.87 (0.55, 0.84)     Inam moderately anxious or depressed   -14 (-48, -18, -14)   0.77 (0.12, 0.92)     Inave no problems in walking   -3 (-48.57, -1)   0.77 (0.12, 0.92)     Inave no problems in walking   -3 (-48.57, -1)   0.77 (0.12, 0.92)     Inave no problems in walking   -7 (-65, -19.31)   0.82 (0.45, 0.82)     Inam confined to bed   -17 (-12, -1.5)   0.83 (0.05, 0.67)     EQ-5D self-care at 30 day follow-up   -18 (-19, -19)   0.82 (0.61, 0.81)     Inave some problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     Inave some problems in performing my usual activities   -10 (-5, 5, 5)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up   -18 (-6, 6, 7, 24.3)   0.77 (-65, 5)   0.53 (0.05, 0.67)     EQ-5D using activities at 30 day follow-up   -18 (-6, 6, 7, 24.3)   0.82 (0.61, 0.81)     Inave some problems in performing my usual activities   -16 (-6, 6, 1.9)   0.53 (0.05, 0.67)     EQ-5D using activities at 30 day follow-up   -18 (-6, 6, 6, 1.9)   0.53 (0.05, 0.67)     EQ-5D pain/	8	-3 (-48.57, -1)	$0.77 \ (0.12, \ 0.92)$
In ave some problems bathing or dressing myself   1sm unable to bathe or dress myself   15m (1sd. 34, 42.8)   3.28 (3.52, 20)     Missing   2 - 3 (-48.57, -1)   0.77 (0.12, 0.92)     Peq-5D usual activities at discharge   1shave no problems in performing my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)     In ave no problems in performing my usual activities   13.7 (-5, 37.03)   2.54 (2.56, 18.33)     Missing   3 (-34.857, -1)   0.77 (0.12, 0.92)     EQ-5D pain/discomfort at discharge   1shave no pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     In ave no pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     In ave extreme pain or discomfort   2.5 (-49, -2)   1.67 (1.88, 4.46)     In ave extreme pain or discomfort   2.5 (-49, -2)   1.67 (1.88, 4.46)     In ave extreme pain or discomfort   2.5 (-49, -2)   1.67 (1.88, 4.46)     In ave extreme pain or discomfort   2.5 (-49, -2)   1.67 (1.88, 4.46)     In ave extreme pain or depressed   -12 (-43, -16)   0.87 (0.55, 0.84)     In am extremely anxious or depressed   1.2 (14.6, 42.8)   3.4 (4.65, 22.31)     In ave no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     In ave no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     In ave no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     In ave no problems in with self-care   -17 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D self-care at 30 day follow-up   1 have no problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activities   1 have some problems in performing my usual activiti	=		/
An unable to bathe or dress myself   15.3 (16.34, 42.8)   3.28 (3.52, 20)   Missing   3 (-48.57, -1)   0.77 (0.12, 0.92)     PQ-SD usual activities at discharge   1 have no problems in performing my usual activities   13.7 (-5, 37.03)   2.54 (2.56, 18.33)     I have some problems in performing my usual activities   13.7 (-5, 37.03)   2.54 (2.56, 18.33)     I mu unable to perform my usual activities   13.7 (-5, 37.03)   2.54 (2.56, 18.33)     I mu unable to perform my usual activities   -1.5 (-44, 15)   0.77 (0.12, 0.92)     PQ-SD pain/discomfort at discharge   -1.5 (-44, 15)   0.77 (0.12, 0.92)     I have no pain or discomfort   -5 (-49, 2)   1.67 (1.88, 4.46)     I have emoderate pain or discomfort   -5 (-49, 2)   1.67 (1.88, 4.46)     I have emoderate pain or discomfort   -5 (-49, 2)   1.67 (1.88, 4.46)     I have moderate pain or discomfort   -5 (-49, 2)   1.67 (1.89, 4.46)     I have moderately anxious or depressed   -1 (-43, -16)   0.87 (0.55, 0.84)     I am mot anxious or depressed   -1 (-43, -16)   0.87 (0.55, 0.84)     I am mot anxious or depressed   -1 (-43, -16)   0.87 (0.55, 0.84)     I am extremely anxious or depressed   -1 (-43, -16)   0.87 (0.55, 0.84)     I am extremely anxious or depressed   -1 (-43, -16)   0.87 (0.55, 0.84)     I have no problems in walking   -3 (-48.57, -1)   0.77 (0.12, 0.92)     I have no problems in walking   -1 (-12, -1.5)   0.77 (0.12, 0.92)     I have no problems in walking   -7 (-65, -5)   0.53 (0.05, 0.67)     PQ-SD self-care at 30 day follow-up   -1 have non problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have some problems in performing my usual activities   -1 (-65, -5)   0.53 (0.05, 0.67)     PQ-SD usual activities at 30 day follow-up   -1 have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have no pain or discomfort   -6 (-6, -1.9)   0.77 (0.5, -5)   0.53 (0.05, 0.67)     PQ-SD pain/discomfort			
Missing   FQ-5D usual activities at discharge   I have no problems in performing my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)   I am unable to perform my usual activities   13.7 (-5, 37.03)   2.65 (2.11, 22.32)   I am unable to perform my usual activities   10.3 (9.46, 50.3)   2.54 (2.56, 18.33)   Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)   EQ-5D pain/discomfort at discharge   I have no pain or discomfort   -15 (-44, 15)   0.77 (0.37, 1.47)   I have moderate pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)   I have extreme pain or discomfort   -5 (-49, -2)   Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)   EQ-5D anxiety/depression at discharge   12 (14.4, -16)   0.87 (0.55, 0.84)   1 am moderately anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)   1 am extremely anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)   1 am extremely anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)   1 am extremely anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)   1 am confined to bad   1 am unable to bathe or dress myself   1 am unable to bathe or dress myself   1 am unable to bathe or dress myself   2 (-65, -5)   0.53 (0.05, 0.67)   1 am unable to bathe or dress myself   2 (-66, -75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)   3 (-66, 75, 24.3)   2.94 (4.27, 13.89)		1 1 1	
EQ.5D usual activities at discharge   1 have no problems in performing my usual activities   13.7 (-5.37.03)   2.65 (2.11, 22.32)   1 am unable to perform my usual activities   10.3 (9.46, 50.3)   2.54 (2.56, 18.33)   1 murable to perform my usual activities   10.3 (9.46, 50.3)   2.54 (2.56, 18.33)   1 murable to perform my usual activities   -7 (-6.87.7-1)   0.77 (0.12, 0.92)   1 murable to perform my usual activities   -7 (-48.571)   0.77 (0.12, 0.92)   1 may en op ain or discomfort   -15 (-44, 15)   0.77 (0.12, 0.92)   1 may en op ain or discomfort   -5 (-49, 2)   1.67 (1.88, 4.46)   1 may enderate pain or discomfort   -5 (-49, 2)   1.67 (1.88, 4.46)   1 may enderate pain or discomfort   -7 (-48.571)   0.77 (0.12, 0.92)   1 may enter pain or discomfort   -12 (-43, -16)   0.87 (0.55, 0.84)   1 may moderately anxious or depressed   -12 (-43, -16)   0.87 (0.55, 0.84)   1 may moderately anxious or depressed   0 (-6.8, -1.5)   0.77 (0.12, 0.92)   1 may en optoblems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)   1 may en op problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)   1 may en op problems in walking   -17 (-12, -1.5)   0.53 (0.05, 0.67)   1 may en op problems with self-care   -17 (-38, -20)   0.53 (0.05, 0.67)   1 may en op problems with self-care   -17 (-38, -20)   0.53 (0.05, 0.67)   1 may en op problems with self-care   -17 (-38, -20)   0.53 (0.05, 0.67)   1 may en op problems with self-care   -17 (-38, -20)   0.53 (0.05, 0.67)   1 may en op problems in performing my usual activities   -17 (-55, -5)   0.53 (0.05, 0.67)   1 may en op problems in performing my usual activities   -17 (-55, -5)   0.53 (0.05, 0.67)   1 may en op problems in performing my usual activities   -17 (-55, -5)   0.53 (0.05, 0.67)   1 may enderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)   1 may en op problems in performing my usual activities   -7 (-65, -5)   0.53 (0.05, 0.67)   1 may enderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)   1 may enderately anxious or depressed   -12 (-34,	<del>-</del>		
I have no problems in performing my usual activities   1.24 (-59.75, -1.8)   2.65 (-211, 22.32)     I have some problems in performing my usual activities   10.3 (9.46, 50.3)   2.54 (2.56, 18.33)     Missing   3 (-48.57, -1)   0.77 (0.12, 0.92)     I have no pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have no pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have extreme pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have extreme pain or discomfort   2.05 (49, -2)     Missing   3 (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D anxiety/depression at discharge   12 (143, -16)   0.87 (0.55, 0.84)     I am not anxious or depressed   1.2 (146, 42.8)   3.4 (4.65, 22.31)     I am extremely anxious or depressed   1.2 (146, 42.8)   3.4 (4.65, 22.31)     I am extremely anxious or depressed   1.2 (146, 42.8)   3.4 (4.65, 22.31)     I am contained to bed   1.7 (-12, -1.5)     Have no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -17 (-12, -1.5)     I have no problems bathing or dressing myself   1.0 (5, 27.53)     I have some problems bathing or dressing myself   1.0 (5, 27.53)     I have no problems in performing my usual activities   -20 (-46, -26)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up   1 have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have no pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have no pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have no pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have mone problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have mone problems in performing my usual activities   -20 (-46, -26)   0.7	9	-3 (-48.57, -1)	$0.77 \ (0.12, \ 0.92)$
In awe some problems in performing my usual activities   13.7 (-5, 37.03)   2.54 (-5, 1.3)     I am unable to perform my usual activities   -3 (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D pain/discomfort at discharge   -15 (-44, 15)   0.77 (0.37, 1.47)     I have no pain or discomfort   -15 (-44, 15)   0.77 (0.37, 1.47)     I have moderate pain or discomfort   -5 (-49, -2)     I have moderate pain or discomfort   -5 (-49, -2)     I have emberate pain or discomfort   -5 (-49, -2)     Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D anxiety/depression at discharge   -12 (-43, -16)   0.87 (0.55, 0.84)     I am moderately anxious or depressed   -12 (-43, -16)   0.87 (0.55, 0.84)     I am moderately anxious or depressed   -12 (-43, -16)   0.87 (0.55, 0.84)     I am extremely anxious or depressed   -16 (-68, -1.5)     Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D mobility at 30 day follow-up     I have no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems with self-care   -17 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D self-care at 30 day follow-up   -18 (-66, -15)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up   -18 (-66, -15)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up   -19 (-66, -26)   0.79 (0.53, 0.73)     I have some problems in performing my usual activities   -18 (-66, -12)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-64, -12)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-66, -1.9)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up   -7 (-65, -5)   0.53 (0.05, 0.67)     I have moderate pain or discomfort   -6 (-64, -1.9)   0.88 (0.65, 0.85)     I have moderate pain or discomfort   -6 (-64, -1.9)   0.88 (0.65, 0.85)     I have moderate pain or discomfort   -6 (-64, -1.9)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at		94 ( 50 75 19)	0.79 (0.49, 0.0)
Naminable to perform my usual activities   10.3 (9.46, 5.0.3)   2.54 (2.56, 18.33)     Nissing   3-3 (-48.57, -1)   0.77 (0.12, 0.92)     PQ-SD pain/discomfort at discharge   1.10 (1.26, 1.26)     I have no pain or discomfort   20 (25, 49)   1.67 (0.12, 0.92)     I have no pain or discomfort   20 (25, 49)   1.67 (0.18, 4.46)     I have extreme pain or discomfort   5-5 (-49, -2)     Missing   3-(48.57, -1)   0.77 (0.12, 0.92)     EQ-SD anxiety/depression at discharge   12 (14.5, 42.8)   3.4 (4.65, 22.31)     I am not anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)     I am moderately anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)     I am extremely anxious or depressed   0.68, -1.5      Missing   3-(48.57, -1)   0.77 (0.12, 0.92)     EQ-SD mobility at 30 day follow-up     I have no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -17 (-12, -1.5)     I have some problems in walking   -17 (-65, -5)   0.53 (0.05, 0.67)     EQ-SD self-care at 30 day follow-up   -17 (-65, -5)   0.53 (0.05, 0.67)     EQ-SD usual activities at 30 day follow-up   -18 (-57, 72.3)   2.94 (4.27, 13.89)     I have some problems bathing or dressing myself   10 (5, 27.53)   2.94 (4.27, 13.89)     I have some problems in performing my usual activities   1.33 (15, 38)   8.82 (191, 12.11)     I have some problems in performing my usual activities   6.6 (7.57, 24.3)   2.94 (4.27, 13.89)     I have some problems in performing my usual activities   6.6 (7.4, 24)   2.94 (4.15, 13.89)     I have some problems in performing my usual activities   1.33 (15, 38)   8.82 (191, 12.11)     I have moderate pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have moderate pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have moderate pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have moderately anxious or depressed   12 (-34, -15)   0.53 (0.05, 0.67)     EQ-SD pain/discomfort at 3		, , ,	
Missing			
Lave no pain or discomfort at discharge			
Table no pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have moderate pain or discomfort   20 (25, 49)   1.67 (1.88, 4.46)     I have extreme pain or discomfort   2-5 (49, -2)     Missing   3- (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D anxiety/depression at discharge     I am not anxious or depressed   12 (43, -16)   0.87 (0.55, 0.84)     I am moderately anxious or depressed   12 (14.6, 42.8)   3.4 (4.65, 22.31)     I am extremely anxious or depressed   0 (-6.8, -1.5)     Missing   3- (-48.57, -1)   0.77 (0.12, 0.92)     EQ-5D mobility at 30 day follow-up     I have no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   -20 (24, 55)     I am confined to bed   -17 (-12, -1.5)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have some problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have no problems with self-care   -17 (-38, -20)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   -18 (-66, 7.57, 24.3)   2.94 (4.27, 13.89)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up     I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   0 (-66, -1.9)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D anxiety/depression at 30 day follow-up     I mot anxious or depressed   -1 (-34, -1.5)   0.88 (0.65, 0.85)     I am mot anxious or depressed   -1 (-34, -1.5)   0.88 (0.65, 0.85)     I am extremely anxious or depressed   -1 (-34, -1.5)   0.84 (0.66, 0.91)     Som		0 (10.01, 1)	0.11 (0.12, 0.02)
Thave moderate pain or discomfort		-15 (-44, 15)	0.77 (0.37, 1.47)
Thave extreme pain or discomfort   -5 (-49, -2)   0.77 (0.12, 0.92)			
Missing   Cap-Danxiety/depression at discharge   Lam not anxious or depressed   1.2 (1.4.6, 42.8)   3.4 (4.65, 22.31)   1 mm moderately anxious or depressed   1.2 (14.6, 42.8)   3.4 (4.65, 22.31)   1 mm moderately anxious or depressed   0.6.6.8, 1.5)   Missing   Cap-Danxiety   Cap-Danxiet			, , ,
I am not anxious or depressed   12 (146, 428)   3.4 (4.65, 22.31)     I am extremely anxious or depressed   0 (-6.8, -1.5)     Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)     Missing   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have no problems in walking   -17 (-65, -5)   0.53 (0.05, 0.67)     I have some problems in walking   -17 (-65, -5)   0.53 (0.05, 0.67)     I have no problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have no problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have no problems with self-care   -17 (-65, -5)   0.53 (0.05, 0.67)     I have some problems bathing or dressing myself   10 (5, 27.53)   2.94 (4.27, 13.89)     I have no problems with self-care   -17 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up   I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have some problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have no problems in performing my usual activities   -3 (-66 (7.4, -24)   2.94 (4.15, 13.89)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up   I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderately anxious or depressed   -12 (-34, -15)   0.88 (0.65, 0.85)     I am moderately anxious or depressed   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat satisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat dissatisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat dissatisfied   -15 (-34.51, -11)   0.72 (0.0			0.77(0.12, 0.92)
I am not anxious or depressed   12 (146, 428)   3.4 (4.65, 22.31)     I am extremely anxious or depressed   0 (-6.8, -1.5)     Missing   -3 (-48.57, -1)   0.77 (0.12, 0.92)     Missing   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have no problems in walking   -17 (-65, -5)   0.53 (0.05, 0.67)     I have some problems in walking   -17 (-65, -5)   0.53 (0.05, 0.67)     I have no problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have no problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have no problems with self-care   -17 (-65, -5)   0.53 (0.05, 0.67)     I have some problems bathing or dressing myself   10 (5, 27.53)   2.94 (4.27, 13.89)     I have no problems with self-care   -17 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up   I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have some problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have no problems in performing my usual activities   -3 (-66 (7.4, -24)   2.94 (4.15, 13.89)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up   I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderately anxious or depressed   -12 (-34, -15)   0.88 (0.65, 0.85)     I am moderately anxious or depressed   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat satisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat dissatisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat dissatisfied   -15 (-34.51, -11)   0.72 (0.0	EQ-5D anxiety/depression at discharge	, , ,	, , ,
A mextremely anxious or depressed   N (-6.8, -1.5)     Missing   S (-48.57, -1)   N (-77 (0.12, 0.92)     Lave no problems in walking   -18 (-55, -19.31)   0.82 (0.45, 0.82)     I have some problems in walking   20 (24, 55)     I am confined to bed   -1.7 (-12, -1.5)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   -17 (-38, -20)   0.82 (0.61, 0.81)     I have some problems bathing or dressing myself   10 (5, 27.53)     I am unable to bathe or dress myself   10 (5, 27.53)   2.94 (4.27, 13.89)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have some problems in performing my usual activities   13.3 (15, 38)   8.82 (19.1, 21.11)     I am unable to perform my usual activities   13.3 (15, 38)   8.82 (19.1, 21.11)     I am unable to perform my usual activities   6.6 (7.4, 24)   2.94 (4.15, 13.89)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have extreme pain or discomfort   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D anxiety/depression at 30 day follow-up     I am not anxious or depressed   -12 (-34, -15)   0.88 (0.65, 0.85)     I am extremely anxious or depressed   -12 (-34, -15)   0.88 (0.65, 0.85)     I am extremely anxious or depressed   -12 (-34, -15)   0.88 (0.65, 0.85)     A moderately anxious or depressed   -12 (-34, -15)   0.53 (0.05, 0.67)     Patient satisfaction   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat satisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat dissatisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Missing   -8 (-44, -7)   0.27 (0, 0.27)     EQ-5D health state at discharge   -9 (-55, -6)		-12 (-43, -16)	$0.87 \ (0.55, \ 0.84)$
Missing	I am moderately anxious or depressed	12 (14.6, 42.8)	$3.4 \ (4.65, \ 22.31)$
Page	I am extremely anxious or depressed	0 (-6.8, -1.5)	
I have no problems in walking	Missing	-3 (-48.57, -1)	$0.77 \ (0.12, \ 0.92)$
I am confined to bed   -1.7 (-12, -1.5)	EQ-5D mobility at 30 day follow-up		
I am confined to bed   -1.7 (-1.2, -1.5)   Missing   -7 (-65, -5)   0.53 (0.05, 0.67)			$0.82 \ (0.45, \ 0.82)$
Missing		* * *	
Page		` ' '	(
I have no problems with self-care	9	-7 (-65, -5)	$0.53 \ (0.05, \ 0.67)$
I have some problems bathing or dressing myself I am unable to bathe or dress myself EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I am unable to performing my usual activities I am unable to perform my usual activities I am unable to perform my usual activities I am unable to performing my usual activities I and unable to performing my usual activities I am unable to performing my usual activities I and unable to perform my usual activities I and unable to performer deforming my usual activities I and unable to performer deforming my usual activities I and unable to performer deformer de		17 ( 20 . 20)	0.00 (0.01 0.01)
I am unable to bathe or dress myself   6.6 (7.57, 24.3)   2.94 (4.27, 13.89)   Missing   -7 (-65, -5)   0.53 (0.05, 0.67)			0.82 (0.01, 0.81)
Missing         -7 (-65, -5)         0.53 (0.05, 0.67)           EQ-5D usual activities at 30 day follow-up         I have no problems in performing my usual activities         -20 (-46, -26)         0.79 (0.53, 0.73)           I have some problems in performing my usual activities         13.3 (15, 38)         8.82 (19.1, 21.11)           I am unable to perform my usual activities         6.6 (7.4, 24)         2.94 (4.15, 13.89)           Missing         -7 (-65, -5)         0.53 (0.05, 0.67)           EQ-5D pain/discomfort at 30 day follow-up         -6 (-24, -2)         0.93 (0.74, 0.99)           I have moderate pain or discomfort         6 (1, 24.17)         1.43 (1.09, 4.25)           I have extreme pain or discomfort         0 (-6.6, -1.9)            Missing         -7 (-65, -5)         0.53 (0.05, 0.67)           EQ-5D anxiety/depression at 30 day follow-up         I			2 04 (4 27 13 80)
I have no problems in performing my usual activities   -20 (-46, -26)   0.79 (0.53, 0.73)     I have some problems in performing my usual activities   13.3 (15, 38)   8.82 (19.1, 21.11)     I am unable to perform my usual activities   13.3 (15, 38)   8.82 (19.1, 21.11)     I am unable to perform my usual activities   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D pain/discomfort at 30 day follow-up     I have no pain or discomfort   -6 (-24, -2)   0.93 (0.74, 0.99)     I have moderate pain or discomfort   6 (1, 24.17)   1.43 (1.09, 4.25)     I have extreme pain or discomfort   -7 (-65, -5)   0.53 (0.05, 0.67)     EQ-5D anxiety/depression at 30 day follow-up     I am not anxious or depressed   -12 (-34, -15)   0.88 (0.65, 0.85)     I am moderately anxious or depressed   -16 (13.44, 34.4)   4.41 (5.27, 23.75)     I am extremely anxious or depressed   0 (-4.8, -1.99)     Missing   -7 (-65, -5)   0.53 (0.05, 0.67)     Patient satisfaction     Very satisfied   -15 (-34.51, -11)   0.84 (0.66, 0.91)     Somewhat satisfied   4.2 (1.7, 13.19)     Somewhat dissatisfied   4.2 (1.7, 13.19)     Missing   -8 (-44, -7)   0.27 (0, 0.27)     EQ-5D health state at discharge   -25 (-82.17, -18)   0.72 (0.07, 1)     Missing   -9 (-67, -8)   0.47 (0.04, 0.53)     EQ-5D health state at 30 day follow-up   -17 (-91, -17.87)   0.83 (0.09, 0.83)     Missing   -9 (-67, -8)   0.47 (0.04, 0.53)     Cost of treatment   3500 (3361.31, 33000)   3.33 (3.33, 55.56)			*
I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities Missing General activities Missing Feq-5D pain/discomfort at 30 day follow-up I have no pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort Office, -1.9  Missing I am not anxious or depressed I am not anxious or depressed I am extremely anxious or depressed I am extremely anxious or depressed I am extremely anxious or depressed Office, -1.9  Missing Office, -1.9  Office, -1.	<del>-</del>	1 (00, 0)	0.00 (0.00, 0.01)
I have some problems in performing my usual activities I am unable to perform my usual activities 6.6 (7.4, 24) 2.94 (4.15, 13.89) Missing -7 (-65, -5) 0.53 (0.05, 0.67)  EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort 6 (1, 24.17) 1.43 (1.09, 4.25) I have extreme pain or discomfort 0 (-6.6, -1.9) 1.43 (1.09, 4.25) I have extreme pain or discomfort 0 (-6.6, -1.9) 1.43 (1.09, 4.25) I have extreme pain or discomfort 1 (1.6 (1.3.41, -1.9)) 1.43 (1.09, 4.25) I have extreme pain or discomfort 1 (1.6 (1.3.44, 34.4)) 1.43 (1.09, 4.25) I am moderately anxious or depressed 1 (1.6 (1.3.44, 34.4)) 1.6 (1.5.27, 23.75) I am extremely anxious or depressed 1 (1.6 (1.3.44, 34.4)) 1.6 (1.5.27, 23.75) I am extremely anxious or depressed 1 (1.6 (1.3.45, -1.99)) 1.6 (1.6 (1.3.45, -1.9		-20 (-46, -26)	0.79 (0.53, 0.73)
I am unable to perform my usual activities			
Missing			
Figure   F			
I have moderate pain or discomfort 0 (1, 24.17) 1.43 (1.09, 4.25) I have extreme pain or discomfort 0 (-6.6, -1.9) Missing -7 (-65, -5) 0.53 (0.05, 0.67)  EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed -12 (-34, -15) 0.88 (0.65, 0.85) I am moderately anxious or depressed 11.6 (13.44, 34.4) 4.41 (5.27, 23.75) I am extremely anxious or depressed 0 (-4.8, -1.99) Missing -7 (-65, -5) 0.53 (0.05, 0.67)  Patient satisfaction Very satisfied -15 (-34.51, -11) 0.84 (0.66, 0.91) Somewhat satisfied 7.3 (5.19, 26.63) 2.28 (1.96, 12.14) Somewhat dissatisfied 4.2 (-1.53, 13) Very dissatisfied 4.2 (1.7, 13.19) Missing 1 (-16, 17) 1.33 (0.17, 6.25) Number of hospitalizations for this injury Missing -8 (-44, -7) 0.27 (0, 0.27) EQ-5D health state at discharge -9 (-55, -6) 0.53 (0.08, 0.58) EQ-5D health state at 30 day follow-up -17 (-91, -17.87) 0.83 (0.09, 0.83) Missing -9 (-67, -8) 0.47 (0.04, 0.53) Cost of treatment 3500 (3361.31, 33000) 3.33 (3.33, 55.56)	EQ-5D pain/discomfort at 30 day follow-up	, , ,	, ,
I have extreme pain or discomfort       0 (-6.6, -1.9)         Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         EQ-5D anxiety/depression at 30 day follow-up       1         I am not anxious or depressed       -12 (-34, -15)       0.88 (0.65, 0.85)         I am moderately anxious or depressed       11.6 (13.44, 34.4)       4.41 (5.27, 23.75)         I am extremely anxious or depressed       0 (-4.8, -1.99)         Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         Patient satisfaction         Very satisfied       -15 (-34.51, -11)       0.84 (0.66, 0.91)         Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)         Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury       Nissing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3	I have no pain or discomfort	-6 (-24, -2)	$0.93\ (0.74,\ 0.99)$
Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         EQ-5D anxiety/depression at 30 day follow-up       I am not anxious or depressed       -12 (-34, -15)       0.88 (0.65, 0.85)         I am moderately anxious or depressed       11.6 (13.44, 34.4)       4.41 (5.27, 23.75)         I am extremely anxious or depressed       0 (-4.8, -1.99)         Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         Patient satisfaction         Very satisfied       -15 (-34.51, -11)       0.84 (0.66, 0.91)         Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)       Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury       Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)	I have moderate pain or discomfort	6 (1, 24.17)	$1.43 \ (1.09, 4.25)$
EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed I am moderately anxious or depressed I am extremely anxious or depressed I 11.6 (13.44, 34.4) I 14.1 (5.27, 23.75) I 1.9 (-65, -5) I 0.53 (0.05, 0.51) I 0.53 (0.05, 0.51) I 11.6 (15, -1) I 11.6 (15, -1) I 12.6	I have extreme pain or discomfort		
I am not anxious or depressed       -12 (-34, -15)       0.88 (0.65, 0.85)         I am moderately anxious or depressed       11.6 (13.44, 34.4)       4.41 (5.27, 23.75)         I am extremely anxious or depressed       0 (-4.8, -1.99)         Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         Patient satisfaction         Very satisfied       -15 (-34.51, -11)       0.84 (0.66, 0.91)         Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)         Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)	=	-7 (-65, -5)	$0.53 \ (0.05, \ 0.67)$
I am moderately anxious or depressed       11.6 (13.44, 34.4)       4.41 (5.27, 23.75)         I am extremely anxious or depressed       0 (-4.8, -1.99)         Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         Patient satisfaction         Very satisfied       -15 (-34.51, -11)       0.84 (0.66, 0.91)         Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)         Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			, , ,
Missing       -7 (-65, -5)       0.53 (0.05, 0.67)         Patient satisfaction         Very satisfied       -15 (-34.51, -11)       0.84 (0.66, 0.91)         Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)       4.2 (1.7, 13.19)         Very dissatisfied       4.2 (1.7, 13.19)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury       Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)			$4.41 \ (5.27, \ 23.75)$
Patient satisfaction         Very satisfied       -15 (-34.51, -11)       0.84 (0.66, 0.91)         Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)         Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury         Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)			0.59 (0.05, 0.65)
Very satisfied         -15 (-34.51, -11)         0.84 (0.66, 0.91)           Somewhat satisfied         7.3 (5.19, 26.63)         2.28 (1.96, 12.14)           Somewhat dissatisfied         4.2 (-1.53, 13)           Very dissatisfied         4.2 (1.7, 13.19)           Missing         1 (-16, 17)         1.33 (0.17, 6.25)           Number of hospitalizations for this injury         -8 (-44, -7)         0.27 (0, 0.27)           EQ-5D health state at discharge         -25 (-82.17, -18)         0.72 (0.07, 1)           Missing         -9 (-55, -6)         0.53 (0.08, 0.58)           EQ-5D health state at 30 day follow-up         -17 (-91, -17.87)         0.83 (0.09, 0.83)           Missing         -9 (-67, -8)         0.47 (0.04, 0.53)           Cost of treatment         3500 (3361.31, 33000)         3.33 (3.33, 55.56)	8	-7 (-65, -5)	$0.53 \ (0.05, 0.67)$
Somewhat satisfied       7.3 (5.19, 26.63)       2.28 (1.96, 12.14)         Somewhat dissatisfied       4.2 (-1.53, 13)         Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury         Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)		15 ( 94 51 11)	0.94 (0.66, 0.01)
Somewhat dissatisfied       4.2 (-1.53, 13)         Very dissatisfied       4.2 (1.7, 13.19)         Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury         Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)	· ·		
Very dissatisfied         4.2 (1.7, 13.19)           Missing         1 (-16, 17)         1.33 (0.17, 6.25)           Number of hospitalizations for this injury         -8 (-44, -7)         0.27 (0, 0.27)           EQ-5D health state at discharge         -25 (-82.17, -18)         0.72 (0.07, 1)           Missing         -9 (-55, -6)         0.53 (0.08, 0.58)           EQ-5D health state at 30 day follow-up         -17 (-91, -17.87)         0.83 (0.09, 0.83)           Missing         -9 (-67, -8)         0.47 (0.04, 0.53)           Cost of treatment         3500 (3361.31, 33000)         3.33 (3.33, 55.56)			2.26 (1.90, 12.14)
Missing       1 (-16, 17)       1.33 (0.17, 6.25)         Number of hospitalizations for this injury       1.33 (0.17, 6.25)         Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)			
Number of hospitalizations for this injury         Missing       -8 (-44, -7)       0.27 (0, 0.27)         EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)		The state of the s	1.33 (0.17, 6.25)
Missing     -8 (-44, -7)     0.27 (0, 0.27)       EQ-5D health state at discharge     -25 (-82.17, -18)     0.72 (0.07, 1)       Missing     -9 (-55, -6)     0.53 (0.08, 0.58)       EQ-5D health state at 30 day follow-up     -17 (-91, -17.87)     0.83 (0.09, 0.83)       Missing     -9 (-67, -8)     0.47 (0.04, 0.53)       Cost of treatment     3500 (3361.31, 33000)     3.33 (3.33, 55.56)	9	(,,	(,)
EQ-5D health state at discharge       -25 (-82.17, -18)       0.72 (0.07, 1)         Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)		-8 (-44, -7)	0.27 (0, 0.27)
Missing       -9 (-55, -6)       0.53 (0.08, 0.58)         EQ-5D health state at 30 day follow-up       -17 (-91, -17.87)       0.83 (0.09, 0.83)         Missing       -9 (-67, -8)       0.47 (0.04, 0.53)         Cost of treatment       3500 (3361.31, 33000)       3.33 (3.33, 55.56)			1 1 1
Missing       -9 (-67, -8) $0.47 (0.04, 0.53)$ Cost of treatment $3500 (3361.31, 33000)$ $3.33 (3.33, 55.56)$	Missing		
Cost of treatment 3500 (3361.31, 33000) 3.33 (3.33, 55.56)	EQ-5D health state at 30 day follow-up	-17 (-91, -17.87)	$0.83 \ (0.09, \ 0.83)$
			$0.47 \ (0.04, \ 0.53)$
Missing 0 (-80, 9.94) 1 (0.17, 1.55)			
	Missing	0 (-80, 9.94)	1 (0.17, 1.55)

Absolute and relative differences in changes from baseline for all outcomes, comparing standard care with  $\operatorname{ATLS}$ 

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	9.6 (-16.97, 24.4)	
No	-9 (-24, 17)	
Missing	23 (19, 38.99)	
24 hour mortality	2.4 ( 0.47, 0)	
Yes	-2.4 (-9.47, 0)	
No Missing	2(0,7)	
In-hospital mortality	7 (5, 15)	
Yes	3.4 (-9.59, 14.8)	
No	-3 (-15, 9)	
Missing	1 (-2, 3)	2(2, 5)
Self-ambulatory at discharge	, ,	( ) ,
Yes	-4 (-26.16, -2)	
No	4.7 (1.5, 25.76)	
Missing	22 (-22, 34)	
Return to work		
Yes	37 (40, 86)	
No	-37 (-86, -40.96)	
Missing	45 (35, 65)	
Pulmonary complication	. (	
Yes	0 (-8.83, 0)	
No	0 (-7, 0)	
Missing	32 (6, 46)	
Septic complication Yes	-1.7 (-8.9, 1.5)	
No	1 (-4, 6)	
Missing	33 (0, 48)	
Renal failure	00 (0, 40)	
Yes		
No		
Missing	31 (-1, 46)	
Coagulopathy		
Yes	-4.3 (-16, -6.3)	
No	4(4, 16)	
Missing	32 (0.84, 46)	
Need for reexploration or resurgery		
Yes	2.5 (-0.4, 7.8)	
No	-3 (-10, -2)	
Missing	39 (-3, 55)	20.5 (35.89, 58)
Failure of conservative management	0 (5, 00)	
No V	6 (5, 26)	
Yes Mining	-6.3 (-26, -6.18)	
Missing FO 5D mobility at disabarge	49 (47, 66)	
EQ-5D mobility at discharge	22 ( 78 21)	
I have no problems in walking I have some problems in walking	-22 (-78, -21) -1.7 (-18.7, 10.7)	
I am confined to bed	23 (24, 63)	
Missing	35 (-41, 53)	
EQ-5D self-care at discharge	00 (11, 00)	
I have no problems with self-care	-18 (-50, -12)	
I have some problems bathing or dressing myself	22 (16.9, 53.09)	
I am unable to bathe or dress myself	-4 (-25, 6.9)	
Missing	35 (-41, 53)	
EQ-5D usual activities at discharge		
I have no problems in performing my usual activities	-18 (-51.91, -7)	
I have some problems in performing my usual activities	13 (-4.95, 37.86)	
I am unable to perform my usual activities	5 (-4.6, 24.35)	
Missing	35 (-41, 53)	
EQ-5D pain/discomfort at discharge	05 / 50 -50	
I have no pain or discomfort	-25 (-53, 32)	
I have moderate pain or discomfort	11 (-26, 38)	
I have extreme pain or discomfort	14 (7, 33.04)	
Missing FO 5D anxiety/depression at discharge	35 (-41, 53)	
EQ-5D anxiety/depression at discharge	20 ( 72 10)	0.30 ( 10.40 0.60)
I am not anxious or depressed I am moderately anxious or depressed	-20 (-73, -18) 21.8 (10.02.68)	$0.39 \ (-10.49, \ 0.69)$
I am moderately anxious or depressed I am extremely anxious or depressed	21.8 (19.92, 68) -0.9 (-6.4, 2.3)	$0.34 \ (-21.96, \ 0.54)$
Missing	35 (-41, 53)	

EQ-5D mobility at 30 day follow-up		
I have no problems in walking	-1 (-21, 14.41)	
I have some problems in walking	1 (-19, 17.45)	
I am confined to bed	-0.1 (-21.1, 23.19)	
Missing	51 (44, 71)	
EQ-5D self-care at 30 day follow-up		
I have no problems with self-care	11 (6, 49.82)	
I have some problems bathing or dressing myself	15.5 (10.15, 49.8)	
I am unable to bathe or dress myself	-27.1 (-60.9, -29.95)	
Missing	51 (44, 71)	
EQ-5D usual activities at 30 day follow-up	, ,	
I have no problems in performing my usual activities	35 (38, 76)	
I have some problems in performing my usual activities	-22 (-64, -25)	
I am unable to perform my usual activities	-12.8 (-38.4, -14.24)	
Missing	51 (44, 71)	
EQ-5D pain/discomfort at 30 day follow-up	,	
I have no pain or discomfort	-8 (-41.33, 2)	
I have moderate pain or discomfort	6 (-6, 32.34)	
I have extreme pain or discomfort	2 (-2.86, 7.52)	
Missing	51 (44, 71)	
EQ-5D anxiety/depression at 30 day follow-up	,	
I am not anxious or depressed	13 (3, 35.74)	
I am moderately anxious or depressed	-14.3 (-39.36, -11.98)	
I am extremely anxious or depressed	1 (-2.3, 6.1)	
Missing	51 (44, 71)	
Patient satisfaction		
Very satisfied	-12 (-34, 12.2)	
Somewhat satisfied	14 (13, 53.3)	0.39 (-6.56, 1.02)
Somewhat dissatisfied	-2.5 (-13.5, 5.27)	
Very dissatisfied	-1 (-15.71, 11.54)	
Missing	19 (-20, 31)	
Number of hospitalizations for this injury	0 (-1, -1)	
Missing	39 (39, 57)	
EQ-5D health state at discharge	-5 (-45, 38.31)	
Missing	33 (-1, 52)	
EQ-5D health state at 30 day follow-up	90 (101, 116)	
Missing	49 (42, 69)	
Cost of treatment	-9500 (-47305.35, -124.94)	
Missing	60 (-6, 85)	9.57 (5.33, 83.95)

### Absolute and relative differences in changes from baseline for all outcomes, comparing standard care with ${\operatorname{PTC}}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	18.5 (21.15, 44.3)	
No	-18 (-44, -21.15)	
Missing	19 (3, 31)	
24 hour mortality	, · · ,	
Yes	-2.4 (-9.7, 0)	
No	2(0,7)	
Missing	4 (-5, 8)	
In-hospital mortality	, ,	
Yes	10 (9.8, 25.8)	
No	-10 (-26, -11)	
Missing	2(0,5)	
Self-ambulatory at discharge	<b>、</b> , ,	
Yes	3 (-1.61, 20)	
No	-2.4 (-19.05, 2)	
Missing	27 (25, 49)	
Return to work	, ,	
Yes	16 (-36, 37)	
No	-16 (-40.6, 34)	
Missing	43 (8, 61.99)	
Pulmonary complication	, ,	
Yes	2.2(2.4, 10)	
No	-2 (-10, -4)	
Missing	32 (21, 46.41)	

Septic complication		
Yes	-0.5 (-4.32, 4)	
No	0 (-7, 2)	
Missing	34 (26, 49.23)	
Renal failure Yes		
No		
Missing	32 (25, 48)	
Coagulopathy		
Yes	0 (-11, 0)	
No Minima	0 (-17, -5)	
Missing Need for reexploration or resurgery	$33\ (26,\ 49)$	
Yes	3 (1.8, 7.84)	
No	-3 (-10.41, -3)	
Missing	41 (35, 58)	
Failure of conservative management	. ( .=)	
No	-2 (-27, -2)	
Yes Missing	$ \begin{array}{c} 2.3 \ (1.6, \ 26.92) \\ 41 \ (2, \ 56) \end{array} $	
EQ-5D mobility at discharge	41 (2, 50)	
I have no problems in walking	-9 (-28, 19)	
I have some problems in walking	8 (2.3, 31.69)	
I am confined to bed	-0.4 (-52.36, 6.13)	
Missing	44 (43.87, 74)	
EQ-5D self-care at discharge	14 ( 47 5)	
I have no problems with self-care I have some problems bathing or dressing myself	-14 (-47, 5) 19.7 (7.03, 51.78)	
I am unable to bathe or dress myself	-6.4 (-32, 5.66)	
Missing	44 (43.87, 74)	
EQ-5D usual activities at discharge	, , ,	
I have no problems in performing my usual activities	-16 (-51.35, 1)	
I have some problems in performing my usual activities	16.7 (2, 45.1)	
I am unable to perform my usual activities	0.1 (-19.71, 15.66)	
Missing EQ-5D pain/discomfort at discharge	44 (43.87, 74)	
I have no pain or discomfort	-39 (-78.7, -36)	
I have moderate pain or discomfort	27 (22, 60.83)	
I have extreme pain or discomfort	11.4 (3, 29)	
Missing	$44 \ (43.87, 74)$	
EQ-5D anxiety/depression at discharge	0 ( 01 .17)	0.50 (0.00 0.5)
I am not anxious or depressed	-9 (-31, 17)	0.59 (0.23, 2.5)
I am moderately anxious or depressed I am extremely anxious or depressed	7.8 (-21.98, 27.31) 1.5 (0.1, 11.76)	$0.59 \ (0.25, \ 3)$
Missing	44 (43.87, 74)	
EQ-5D mobility at 30 day follow-up	( , - )	
I have no problems in walking	5 (-15, 34.76)	
I have some problems in walking	11 (-0.41, 52.19)	
I am confined to bed	-16.5 (-82.9, -14.71)	
Missing EQ-5D self-care at 30 day follow-up	48 (7, 67)	
I have no problems with self-care	2 (-34.49, 18)	
I have some problems bathing or dressing myself	13.2 (-1.13, 53.91)	
I am unable to bathe or dress myself	-15.8 (-34.23, 1.1)	
Missing	48 (7, 67)	
EQ-5D usual activities at 30 day follow-up	0 ( 70 70 40)	
I have no problems in performing my usual activities	6 (-59.73, 16)	
I have some problems in performing my usual activities I am unable to perform my usual activities	-4 (-11.3, 42.23) -1.5 (-8.5, 22.27)	
Missing	48 (7, 67)	
EQ-5D pain/discomfort at 30 day follow-up	(.,)	
I have no pain or discomfort	-4 (-36, 16)	
I have moderate pain or discomfort	0 (-28, 23)	
I have extreme pain or discomfort	4.3 (4.52, 12.9)	
Missing EQ-5D anxiety/depression at 30 day follow-up	$48 \ (7, 67)$	
I am not anxious or depressed	-13 (-60, -13)	
I am moderately anxious or depressed	9.3 (7.2, 60.2)	
I am extremely anxious or depressed	3.3 (4.5, 12.9)	
Missing	48 (7, 67)	
Patient satisfaction	10 ( 50 00 - 11)	
Very satisfied	-18 (-53.26, -11)	

Somewhat satisfied	1.3 (-24.61, 14.4)
Somewhat dissatisfied	5.6 (3.7, 18.56)
Very dissatisfied	11 (13, 25)
Missing	24 (23, 48)
Number of hospitalizations for this injury	0 (-1, -1)
Missing	29(2,45)
EQ-5D health state at discharge	-10 (-64, 15)
Missing	35 (27, 53.68)
EQ-5D health state at 30 day follow-up	73 (61.96, 114)
Missing	45 (7, 64.2)
Cost of treatment	-10975 (-48543.27, -2809.19)
Missing	64 (56, 90.59)

### Absolute and relative differences in changes from baseline for all outcomes, comparing ATLS with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	8.9 (-1.57, 24.58)	
No	-9 (-25, 0)	
Missing	-4 (-36.78, -2.27)	
24 hour mortality	- ( *******, -:=**)	
Yes	0 (-8.6, 0)	
No	0 (-11, -4)	
Missing	-3 (-15, -2)	
In-hospital mortality	0 (10, 2)	
Yes	6.6 (3.2, 21.3)	
No	-7 (-24.21, -6)	
Missing	1 (0, 4)	
Self-ambulatory at discharge	1 (0, 4)	
Yes	7 (6, 41)	
No	-7.1 (-41.1, -7.1)	
Missing		
8	5 (-9, 26)	
Return to work	21 ( 20 20)	
Yes	-21 (-89, -20)	
No	21 (18, 89)	
Missing	-2 (-57.15, 4)	
Pulmonary complication	(	
Yes	$2.2\ (2.4,\ 10)$	
No	-2 (-10, -4)	
Missing	0 (-36, 23)	
Septic complication		
Yes	1.2 (-1, 8.4)	
No	-1 (-9, 0)	
Missing	1 (-32, 31)	
Renal failure		
Yes		
No		
Missing	1 (-30, 29)	
Coagulopathy		
Yes	4.3 (5.72, 16)	
No	-4 (-16, -6)	
Missing	1 (-30, 30)	
Need for reexploration or resurgery		
Yes	0.5 (-3.4, 3.2)	
No	0 (-3, 3)	
Missing	2 (-30.34, 40)	
Failure of conservative management	, , ,	
No	-8 (-28, -11)	
Yes	8.6 (11.1, 28.5)	
Missing	-8 (-67, -5)	
EQ-5D mobility at discharge	( ) - /	
I have no problems in walking	13 (7, 70.02)	
I have some problems in walking	9.7 (5, 39.02)	
I am confined to bed	-23.4 (-57.5, -28.77)	
Missing	9 (-14, 42)	
EQ-5D self-care at discharge	· (11, 12)	
I have no problems with self-care	4 (-16, 40)	
i have no problems with sen-care	4 (-10, 40)	

I have some problems bothing or drossing myself	-2.3 (-33.74, 9.78)	
I have some problems bathing or dressing myself I am unable to bathe or dress myself	-2.4 (-23.47, 16.4)	
Missing	9 (-14, 42)	
EQ-5D usual activities at discharge	0 (11, 12)	
I have no problems in performing my usual activities	2 (-18.48, 39)	
I have some problems in performing my usual activities	3.7 (-18, 28)	
I am unable to perform my usual activities	-4.9 (-33.35, 6.57)	
Missing	9 (-14, 42)	
EQ-5D pain/discomfort at discharge	, , ,	
I have no pain or discomfort	-14 (-54, 14.12)	
I have moderate pain or discomfort	16 (1, 55)	
I have extreme pain or discomfort	-2.6 (-30, 0)	
Missing	9 (-14, 42)	
EQ-5D anxiety/depression at discharge		
I am not anxious or depressed	11 (3, 64.2)	1.5 (1.1, 26.85)
I am moderately anxious or depressed	-14 (-67.3, -10.79)	1.74 (1.44, 28.5)
I am extremely anxious or depressed	2.4 (2.2, 11.4)	
Missing	9 (-14, 42)	
EQ-5D mobility at 30 day follow-up		
I have no problems in walking	6 (-15, 37)	1.86 (1.33, 42.79)
I have some problems in walking	10(1, 57.78)	
I am confined to bed	-16.4 (-89.42, -12.1)	
Missing	-3 (-68.49, 1)	
EQ-5D self-care at 30 day follow-up	0 ( 00 00 0)	
I have no problems with self-care	-9 (-63.63, -2)	
I have some problems bathing or dressing myself	-2.3 (-25.32, 14)	
I am unable to bathe or dress myself	11.3 (11.16, 62.3)	
Missing	-3 (-68.49, 1)	
EQ-5D usual activities at 30 day follow-up	-29 (-66, -34)	
I have no problems in performing my usual activities I have some problems in performing my usual activities	18 (21.2, 44.9)	
I am unable to perform my usual activities	11.3 (14.7, 34.5)	
Missing	-3 (-68.49, 1)	
EQ-5D pain/discomfort at 30 day follow-up	-5 (-00.45, 1)	
I have no pain or discomfort	4 (-18, 34.53)	
I have moderate pain or discomfort	-6 (-41, 11)	
I have extreme pain or discomfort	2.3 (1.81, 10.67)	
Missing	-3 (-68.49, 1)	
EQ-5D anxiety/depression at 30 day follow-up	, ,	
I am not anxious or depressed	-26 (-49, -34.75)	
I am moderately anxious or depressed	23.6 (29.23, 46)	
I am extremely anxious or depressed	2.3 (2.4, 11)	
Missing	-3 (-68.49, 1)	
Patient satisfaction		
Very satisfied	-6 (-35.2, 9)	
Somewhat satisfied	-12.7 (-57.2, -12.27)	
Somewhat dissatisfied	$8.1 \ (8.5, \ 30)$	
Very dissatisfied	12 (13.3, 26)	
Missing	5 (-8, 24)	
Number of hospitalizations for this injury	0 (-1, -1)	
Missing	-10 (-55, -6)	
EQ-5D health state at discharge	-5 (-51.47, 15)	
Missing	2 (-28, 32)	
EQ-5D health state at 30 day follow-up	-17 (-104.11, -5.16)	
Missing	-4 (-69.69, 0)	
Cost of treatment	-1475 (-11500, 11956.72)	
Missing	4 (-43.81, 61)	

# Results with 85% confidence level Outcomes in all patients during the entire study period, by treatment arm

Outcome	ATLS, $N = 44$	PTC, $N = 130$	Standard care, $N=202$
30 day mortality			
Yes	2.5 (0, 9.5)	7.3(4,11)	13 (8.3, 16)
No	98 (90, 100)	93 (88, 96)	87 (82, 90)
Missing	4(1,7)	20 (13, 26)	29 (21, 36)
24 hour mortality			0.5 (0.1)
Yes			0.5(0, 1)
No Minima	4 (1 7)	19 (0 17)	99 (98, 98)
Missing In-hospital mortality	4(1,7)	13 (8, 17)	7 (3, 11)
Yes	2.3 (0, 8.2)	5.4 (2.7, 8.5)	11 (7.7, 14)
No	98 (87.19, 100)	95 (91, 97)	90 (86, 92)
Missing	1 (0, 2)	00 (01, 01)	2 (0, 3)
Self-ambulatory at discharge	- (*, -)		_ (0, 0)
Yes	97 (81, 98)	97 (93, 98)	98 (94.03, 99)
No	2.8(0, 9.74)	3.4 (1.6, 6.5)	2.3(1.1, 4.5)
Missing	8 (4, 12)	11 (6, 15)	26 (18, 32)
Return to work	, ,	, ,	
Yes	64 (47, 76)	72 (64, 78)	51 (44, 57)
No	36 (23, 50)	28 (20, 34)	49 (41, 54)
Missing	19 (13, 24)	31 (23, 38)	68 (56, 78)
Pulmonary complication			
Yes		0.9(0, 2.2)	
No		99 (95, 99)	
Missing	11 (7, 15)	$21\ (14,\ 27)$	35 (26, 43)
Septic complication			
Yes		3.7 (1.58, 6.9)	1.2 (0, 2.5)
No		96 (91, 97)	99 (94.62, 99)
Missing	11 (7, 15)	22 (15, 28)	34 (25, 41)
Renal failure			
Yes			
No No	10 (0 14)	01 (14 07)	22 (24 40)
Missing	10 (6, 14)	$21\ (14,\ 27)$	33(24,40)
Coagulopathy Yes	2 (0 11)		
No	3(0, 11)		
Missing	97 (84, 100) 11 (7, 15)	22 (15, 28)	33 (24, 40)
Need for reexploration or resurgery	11 (7, 10)	22 (10, 20)	33 (24, 40)
Yes		1.8 (0, 4.1)	1.9 (0.6, 4)
No		98 (93, 99)	98 (94, 98)
Missing	10 (6, 14)	20 (13, 26)	43 (34, 52)
Failure of conservative management	10 (0, 14)	20 (10, 20)	40 (54, 62)
No	94 (82, 97)	98 (92.94, 99)	99 (95, 99)
Yes	6.5 (0, 17)	1.9 (0, 4.7)	1.3 (0, 3)
Missing	13 (8, 18)	23 (15, 29)	46 (36, 54)
EQ-5D mobility at discharge	(0, -0)	_= (-=, ==)	(,)
I have no problems in walking	80 (67, 88)	88 (81, 91)	62 (56, 67)
I have some problems in walking	10 (3.7, 22)	7.9 (4.9, 13)	18 (13, 22)
I am confined to bed	10 (3.3, 21)	4 (1.9, 7.8)	20 (15, 24)
Missing	14 (9, 20)	29 (21, 36)	45 (35, 54)
EQ-5D self-care at discharge			
I have no problems with self-care	63 (47, 73.24)	83 (76, 87)	52 (45, 57)
I have some problems bathing or dressing myself	13 (4.03, 23)	9.9 (5.9, 15)	27 (21, 31)
I am unable to bathe or dress myself	23 (11, 33)	6.9 (3.82, 11)	21 (15, 25)
Missing	14 (9, 20)	29 (21, 36)	45 (35, 54)
EQ-5D usual activities at discharge			
I have no problems in performing my usual activities	57 (43, 69)	81 (74, 85)	48 (41, 52)
I have some problems in performing my usual activities	$23\ (12,\ 35)$	11 (6.5, 15)	36 (30, 41)
T 11 / C 1 /		7.9(4.5, 12)	16 (11, 19)
	$20 \ (10, 32)$		
Missing	$ \begin{array}{c} 20\ (10,\ 32) \\ 14\ (9,\ 20) \end{array} $	29 (21, 36)	45 (35, 54)
I am unable to perform my usual activities Missing $\mathbf{EQ-5D}$ pain/discomfort at discharge	14 (9, 20)	29 (21, 36)	
Missing <b>EQ-5D pain/discomfort at discharge</b> I have no pain or discomfort	14 (9, 20) 43 (29, 56)	29 (21, 36) 52 (43, 58)	27 (21, 31)
Missing  EQ-5D pain/discomfort at discharge  I have no pain or discomfort  I have moderate pain or discomfort	14 (9, 20)	29 (21, 36) 52 (43, 58) 44 (36, 51)	27 (21, 31) 36 (30, 41)
Missing  EQ-5D pain/discomfort at discharge  I have no pain or discomfort  I have moderate pain or discomfort  I have extreme pain or discomfort	14 (9, 20) 43 (29, 56) 57 (41, 68)	29 (21, 36) 52 (43, 58) 44 (36, 51) 4 (1.9, 7.7)	27 (21, 31) 36 (30, 41) 36 (29, 41)
Missing  EQ-5D pain/discomfort at discharge  I have no pain or discomfort  I have moderate pain or discomfort	14 (9, 20) 43 (29, 56)	29 (21, 36) 52 (43, 58) 44 (36, 51)	27 (21, 31) 36 (30, 41)

I am not anxious or depressed	70 (55, 81)	86 (79, 89)	89 (84, 92)
I am moderately anxious or depressed	30 (17, 41)	13 (8.28, 17)	9.6 (6.8, 14)
I am extremely anxious or depressed	( , ,	1(0,3)	1.9(0.6, 3.7)
Missing	14 (9, 20)	29 (21, 36)	45 (35, 54)
EQ-5D mobility at 30 day follow-up	(- / - /	- (	- (, - ,
I have no problems in walking	77 (62, 87)	95 (89, 97)	74 (67, 78)
I have some problems in walking	19 (9.1, 32)	3 (1, 6.65)	16 (11, 20)
I am confined to bed	3.8 (0, 13)	2 (0, 4.76)	9.8 (6.6, 14)
Missing	18 (12, 23)	29 (21, 36)	69 (57, 79)
EQ-5D self-care at 30 day follow-up	(	· / /	, ,
I have no problems with self-care	81 (65, 89)	94 (88, 96)	77 (70, 81)
I have some problems bathing or dressing myself	12 (4.2, 23)	2 (0.8, 4.8)	13 (8.6, 17)
I am unable to bathe or dress myself	7.7(0,19)	4 (1.9, 7.76)	9.8 (6.6, 14)
Missing	18 (12, 23)	29 (21, 36)	69 (57, 79)
EQ-5D usual activities at 30 day follow-up	. , ,	, ,	, ,
I have no problems in performing my usual activities	81 (66, 90)	93 (87, 95)	79 (72, 83)
I have some problems in performing my usual activities	12 (4.5, 24)	3 (1, 6.39)	14 (9.5, 18)
I am unable to perform my usual activities	7.7(0,19)	4 (1.9, 7.76)	7.5 (4.6, 12)
Missing	18 (12, 23)	29 (21, 36)	69 (57, 79)
EQ-5D pain/discomfort at 30 day follow-up	. , ,	, , ,	
I have no pain or discomfort	77 (62, 87)	82 (75, 86)	78 (71, 82)
I have moderate pain or discomfort	23 (11, 36)	17 (11, 22)	20 (14, 24)
I have extreme pain or discomfort		1 (0, 3)	1.5(0, 3.5)
Missing	18 (12, 23)	29 (21, 36)	69 (57, 79)
EQ-5D anxiety/depression at 30 day follow-up			
I am not anxious or depressed	88 (72, 94)	92 (86, 94)	95 (88.47, 96)
I am moderately anxious or depressed	12(4.5, 24)	6.9(4,11)	3.8 (1.7, 6.9)
I am extremely anxious or depressed		1(0,3)	0.8(0, 2.7)
Missing	18 (12, 23)	29 (21, 36)	69 (57, 79)
Patient satisfaction			
Very satisfied	74 (63, 83)	85 (79, 88)	69 (63, 72)
Somewhat satisfied	21 (11, 30)	9.9 (6.2, 14)	16 (11, 19)
Somewhat dissatisfied	2.6 (0, 8.61)	1.7(0, 4.2)	9 (6.2, 13)
Very dissatisfied	2.6(0, 8.8)	$3.3\ (1.6,\ 6.3)$	$5.1\ (2.9,\ 7.6)$
Missing	6(3, 9)	9(4, 13)	25 (17, 31)
Number of hospitalizations for this injury			
Missing	13 (8, 18)	19(12, 25)	36 (27.77, 44)
EQ-5D health state at discharge	60 (50, 60)	80 (79, 79)	50 (5, 50)
Missing	15 (10, 20)	35 (27, 43)	58 (47, 68)
EQ-5D health state at 30 day follow-up	88 (80, 100)	100 (99, 99)	80 (9, 85)
Missing	18 (12, 23)	32(24, 39.52)	75 (63, 85)
Cost of treatment	5000 (0, 10500)	$2000 \ (1500, \ 2025)$	3000 (1000, 5500)
Missing	35 (27, 44)	39 (31, 48)	113 (100, 125)

#### Outcomes in all patients before training, by treatment arm

Outcome	ATLS, $N = 16$	PTC, $N = 57$	Standard care, $N = 41$
30 day mortality			
Yes		10(4.2, 17)	2.6 (0, 8.06)
No		90 (82, 95)	97 (81, 98)
Missing	2(0, 4)	8 (4, 12)	3 (1, 5)
24 hour mortality	· · · · · · · · · · · · · · · · · · ·	. , ,	· · · ·
Yes			2.4(0, 7.7)
No			98 (91, 100)
Missing	2(0,4)	5 (2, 8)	, ,
In-hospital mortality	( , ,	( ) /	
Yes		7 (3.3, 13)	4.9(0, 12)
No		93 (85, 96)	95 (84, 98)
Missing		(	, ,
Self-ambulatory at discharge			
Yes	92 (69.31, 100)	96 (87, 98)	95 (85.67, 98)
No	8.3 (0, 27)	. , ,	5.1 (0, 12.46)
Missing	4(1, 6)	8 (4, 11)	2(0, 4)
Return to work	( , ,	( ) /	( , ,
Yes	83 (50, 100)	74 (62.76, 82)	41 (27, 53)
No	17 (0, 50)	26 (16, 35)	59 (44, 70)
Missing	10 (5, 14)	15 (9, 20)	12 (7, 16)
Pulmonary complication	- (-, ,	(*)	(1)
Yes		2.2(0,7.1)	

No		98 (88, 100)	
Missing	6(3, 9)	11 (6, 15)	2(0,4)
Septic complication			
Yes		4.4 (0, 10.63)	2.5 (0, 8.1)
No	0 (0 0)	96 (89, 98)	98 (90.44, 100)
Missing	6(3, 9)	12 (7, 16)	$1\ (0,\ 2)$
Renal failure			
Yes No			
Missing	5 (2, 8)	11 (6, 15)	1 (0, 2)
Coagulopathy	0 (2, 0)	11 (0, 10)	1 (0, 2)
Yes			
No			
Missing	6(3,9)	12 (8, 17)	1(0, 2)
Need for reexploration or resurgery			
Yes		2.1 (0, 7.07)	
No	. (. =)	98 (86, 98)	. (0. 0)
Missing	4(1,7)	10 (5, 14)	$1\ (0,\ 2)$
Failure of conservative management		00 (05 100)	
No Yes		98 (85, 100)	
Missing	10 (5, 14)	2.2 (0, 7.59) $11 (6, 15)$	2 (0, 4)
EQ-5D mobility at discharge	10 (0, 14)	11 (0, 10)	2 (0, 4)
I have no problems in walking	67 (40, 82.32)	83 (71, 89)	62 (49, 71.95)
I have some problems in walking	8.3 (0, 25)	12 (4.8, 19)	18 (9.8, 27)
I am confined to bed	25 (8.3, 44)	4.9(0, 12)	21 (12, 31)
Missing	4(1, 6)	16 (10, 21)	2(0,4)
EQ-5D self-care at discharge			
I have no problems with self-care	58 (36, 80)	80 (69, 87)	59 (46, 69)
I have some problems bathing or dressing myself	17 (0, 38)	12 (5.3, 20)	15 (6.78, 23)
I am unable to bathe or dress myself	25 (8.3, 44)	7.3 (2.6, 16)	26 (15, 36)
Missing	4(1, 6)	16 (10, 21)	2(0,4)
EQ-5D usual activities at discharge	EO (2E 67)	76 (65 94)	54 (49 GG)
I have no problems in performing my usual activities I have some problems in performing my usual activities	50 (25, 67) 25 (8.3, 45)	76 (65, 84) 15 (7.7, 24)	54 (42, 66) 28 (17, 38)
I am unable to perform my usual activities	25 (8.3, 44)	9.8 (4.7, 19)	18 (9.1, 28)
Missing	4 (1, 6)	16 (10, 21)	2 (0, 4)
EQ-5D pain/discomfort at discharge	( ) - /	- ( - / /	(-)
I have no pain or discomfort	33 (13, 52.42)	34 (23, 46)	33 (23, 43.74)
I have moderate pain or discomfort	67 (40, 82)	63 (49, 72.39)	41 (28, 51)
I have extreme pain or discomfort		2.4 (0, 7.92)	26 (16, 37)
Missing	4(1, 6)	16 (10, 21)	2(0,4)
EQ-5D anxiety/depression at discharge	()	()	()
I am not anxious or depressed	50 (25, 67)	73 (61, 82)	79 (67, 86)
I am moderately anxious or depressed	50 (24.04, 67)	24 (14, 34)	18 (9.1, 27)
I am extremely anxious or depressed Missing	4 (1, 6)	2.4 (0, 7.92) $16 (10, 21)$	$\begin{array}{c} 2.6 \ (0, \ 8.55) \\ 2 \ (0, \ 4) \end{array}$
EQ-5D mobility at 30 day follow-up	4 (1, 0)	10 (10, 21)	2 (0, 4)
I have no problems in walking	67 (25, 90)	91 (81, 95)	65 (52, 76.29)
I have some problems in walking	17 (0, 50)	7 (2.6, 15.92)	13 (5, 23)
I am confined to bed	17 (0, 50)	2.3 (0, 7.7)	23 (12, 34)
Missing	10 (5, 14)	14 (8.88, 19)	10 (5, 14)
EQ-5D self-care at 30 day follow-up			
I have no problems with self-care	83 (33, 100)	91 (83, 96)	71 (57, 81.03)
I have some problems bathing or dressing myself	17(0, 50)	4.7(2, 12)	$6.5\ (2.6,\ 17)$
I am unable to bathe or dress myself	(=)	4.7 (1.8, 12)	23 (13, 35)
Missing	10 (5, 14)	14 (8.88, 19)	10 (5, 14)
EQ-5D usual activities at 30 day follow-up		01 (92 06)	71 (57 01)
I have no problems in performing my usual activities I have some problems in performing my usual activities		91 (83, 96) 4.7 (2, 12)	71 (57, 81) 19 (9.26, 30)
I am unable to perform my usual activities		4.7 (1.8, 12)	9.7 (3.3, 21)
Missing	10 (5, 14)	14 (8.88, 19)	10 (5, 14)
EQ-5D pain/discomfort at 30 day follow-up	(-,)	(/ ==/	- (-))
I have no pain or discomfort	67 (25, 90)	77 (66, 84)	74 (58, 82)
I have moderate pain or discomfort	33 (0, 60)	21 (11, 30)	26 (16, 38.7)
I have extreme pain or discomfort		2.3(0, 7.7)	
Missing	10 (5, 14)	14 (8.88, 19)	10 (5, 14)
EQ-5D anxiety/depression at 30 day follow-up		00 (50 00)	08 (01 5: ::::
I am not anxious or depressed		86 (76, 92)	97 (84.71, 100)
I am moderately anxious or depressed		12 (5.1, 19)	3.2 (0, 11.17)
I am extremely anxious or depressed Missing	10 (5, 14)	2.3 (0, 7.7) 14 (8.88, 19)	10 (5, 14)
MIDDINE	10 (0, 14)	14 (0.00, 19)	10 (0, 14)

Patient satisfaction			
Very satisfied	64 (41, 80)	73 (64, 81)	67 (55, 76)
Somewhat satisfied	36 (17, 55)	16 (8.9, 24)	23 (13, 32)
Somewhat dissatisfied		3.9(0, 9.5)	7.7 (2.79, 16)
Very dissatisfied		7.8 (3.6, 15)	2.6 (0, 9.61)
Missing	2(0,4)	6 (2, 9)	2(0,4)
Number of hospitalizations for this injury			
Missing	10(5, 14)	8 (4, 12)	2(0,4)
EQ-5D health state at discharge	60 (40, 75)	80 (70, 80)	50 (4, 80)
Missing	5 (2, 8)	16 (10, 21)	10 (5, 14)
EQ-5D health state at 30 day follow-up	100 (55, 100)	100 (90, 100)	10 (9, 99)
Missing	10 (5, 14)	15 (10, 20)	14 (9, 20)
Cost of treatment	7000 (0, 14000)	2025 (997, 5500)	14000 (500, 25000)
Missing	14 (9, 19)	18 (12, 24)	23 (17, 30)

#### Outcomes in all patients after training, by treatment arm

30 day mortality   Yes   3.8 (0, 1	100) 95 (88, 98)	
No       96 (79.76, Missing       2 (0, 4         24 hour mortality       Yes         No       Missing       2 (0, 4         In-hospital mortality       3.7 (0, 1         Yes       3.7 (0, 1         No       96 (79.51, Missing       1 (0, 2         Self-ambulatory at discharge       Yes         No       Missing       4 (1, 6         Return to work       Yes       58 (39, 72         No       42 (26, 5       4         Missing       9 (4, 13       9 (4, 13         Pulmonary complication       Yes       8         No       Missing       5 (2, 8         Septic complication       Yes       8         No       Missing       5 (2, 8         Renal failure       Yes       4.3 (0, 1         Yes       4.3 (0, 1       96 (83.9, 2         No       96 (83.9, 2       8         No       96 (83.9, 2       8         No       96 (83.9, 3       8         No<	100) 95 (88, 98)	
Missing 2 (0, 4 24 hour mortality Yes No Missing 2 (0, 4 In-hospital mortality Yes 3.7 (0, 1 No 96 (79.51, 1 Missing 1 (0, 2 Self-ambulatory at discharge Yes No Missing 4 (1, 6 Return to work Yes 58 (39, 72 No 42 (26, 5 Missing 9 (4, 15 Pulmonary complication Yes No Missing 5 (2, 8 Septic complication Yes No Missing 5 (2, 8 Renal failure Yes No Missing 6 (3, 9, 96) Missing 7 (6, 3, 9) Missing 7 (6, 3, 9) Missing 8 (6, 3, 9) Missing 9 (6, 3, 9) Missing 9 (6, 3, 9) Missing 9 (7, 9, 96) Missing 9 (7, 96) Mi	, , , ,	16 (11, 19)
Missing 2 (0, 4 24 hour mortality Yes No Missing 2 (0, 4 In-hospital mortality Yes 3.7 (0, 1 No 96 (79.51, 1 Missing 1 (0, 2 Self-ambulatory at discharge Yes No Missing 4 (1, 6 Return to work Yes 58 (39, 72 No 42 (26, 5 Missing 9 (4, 15 Pulmonary complication Yes No Missing 5 (2, 8 Septic complication Yes No Missing 5 (2, 8 Renal failure Yes No Missing 6 (3, 9, 96) Missing 7 (6, 3, 9) Missing 7 (6, 3, 9) Missing 8 (6, 3, 9) Missing 9 (6, 3, 9) Missing 9 (6, 3, 9) Missing 9 (7, 9, 96) Missing 9 (7, 96) Mi	, , , ,	84 (79, 88)
24 hour mortality Yes No Missing	12 (1, 11)	26 (19, 33)
Yes       No         Missing       2 (0, 4         In-hospital mortality       3.7 (0, 1         Yes       3.7 (0, 1         No       96 (79.51,         Missing       1 (0, 2         Self-ambulatory at discharge       Yes         No       Missing       4 (1, 6         Return to work       Yes         Yes       58 (39, 72         No       42 (26, 5         Missing       9 (4, 13         Pulmonary complication       Yes         No       Missing       5 (2, 8         Septic complication       Yes         No       Missing       5 (2, 8         Renal failure       Yes       A3 (0, 1         No       96 (83.9, 3)       No         Missing       5 (2, 8       No         No       96 (83.9, 3)       No         No       96 (83.9, 3) <t< td=""><td>(1)</td><td>- ( - , )</td></t<>	(1)	- ( - , )
No   Missing   2 (0, 4   In-hospital mortality		
Missing       2 (0, 4         In-hospital mortality       3.7 (0, 1         Yes       3.7 (0, 1         No       96 (79.51, Missing         Missing       1 (0, 2         Self-ambulatory at discharge       Yes         Yes       No         Missing       4 (1, 6         Return to work       Yes         Yes       58 (39, 72         Missing       9 (4, 13         Pulmonary complication       Yes         No       Missing       5 (2, 8         Septic complication       Yes         No       Missing       5 (2, 8         Renal failure       Yes         No       Missing       5 (2, 8         Coagulopathy       Yes       4.3 (0, 1         No       Missing       5 (2, 8         Need for reexploration or resurgery       Yes       No         No       Missing       6 (3, 9         Failure of conservative management       No       92 (78, 96         Yes       8 (0, 20         Missing       8 (0, 25         I have no problems in walking       89 (71, 9		
In-hospital mortality	8 (4, 12)	7 (3, 11)
Yes       3.7 (0, 1         No       96 (79.51,         Missing       1 (0, 2         Self-ambulatory at discharge       Yes         No       Missing       4 (1, 6         Return to work       Yes       58 (39, 72         No       42 (26, 5       9 (4, 13         Pulmonary complication       Yes       No         Missing       5 (2, 8       Septic complication         Yes       Yes       No         Missing       5 (2, 8       Senal failure         Yes       Yes       Yes         No       96 (83.9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	0 (4, 12)	7 (3, 11)
No       96 (79.51, Missing       1 (0, 2         Self-ambulatory at discharge       Yes       1 (0, 2         Yes       No       A (1, 6)         Return to work       4 (1, 6)       Return to work         Yes       58 (39, 72         No       42 (26, 5)       Missing       9 (4, 13)         Pulmonary complication       Yes       No       No       Missing       5 (2, 8)       Septic complication       Yes       No       No       Missing       5 (2, 8)       Septic complication       Yes       No	3) 4.1 (1.3, 8.18)	12 (7.59, 15)
Missing 1 (0, 2  Self-ambulatory at discharge Yes No Missing 4 (1, 6  Return to work Yes 58 (39, 72 No 42 (26, 5 Missing 9 (4, 13  Pulmonary complication Yes No Missing 5 (2, 8  Septic complication Yes No Missing 5 (2, 8  Renal failure Yes No Missing 5 (2, 8  Coagulopathy Yes 4.3 (0, 1 No 96 (83.9, 3) Missing 5 (2, 8  No Missing 5 (2, 8  Coagulopathy Yes 4.3 (0, 1 No 96 (83.9, 3) Missing 5 (2, 8  No Missing 6 (3, 9) Missing 7 (4, 96  No Missing 7 (5, 96  No Missing 8 (6, 20  Missing 9 (78, 96  Wissing 3 (0, 5)  Failure of conservative management No 92 (78, 96  Missing 3 (0, 5) EQ-5D mobility at discharge I have no problems in walking 89 (71, 98)	, , , ,	. , ,
Self-ambulatory at discharge         Yes       No         Missing       4 (1, 6)         Return to work       42 (26, 5)         Yes       58 (39, 72)         No       42 (26, 5)         Missing       9 (4, 13)         Pulmonary complication       78         Yes       No         Missing       5 (2, 8)         Renal failure       78         Yes       No         Missing       5 (2, 8)         Coagulopathy       43 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 3)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       96 (83.9, 3)         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5)         EQ-5D mobility at discharge       1 have no problems in walking       89 (71, 90	, , , ,	88 (83, 90)
Yes       No         Missing       4 (1, 6)         Return to work       58 (39, 72)         Yes       58 (39, 72)         No       42 (26, 5)         Missing       9 (4, 13)         Pulmonary complication       78         Yes       No         Missing       5 (2, 8)         Renal failure       78         Yes       No         Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       96 (83.9, 1)         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         No       92 (78, 96)         Wes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       1 have no problems in walking		2(0,3)
No       Missing       4 (1, 6)         Return to work       58 (39, 72)         Yes       58 (39, 72)         Missing       9 (4, 13)         Pulmonary complication       9         Yes       No         Missing       5 (2, 8)         Septic complication       5         Yes       No         Missing       5 (2, 8)         Renal failure       Yes         No       96 (83.9, 1)         Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 1)         Missing       6 (3, 9)         Failure of conservative management       No         No       92 (78, 96)         Yes       8 (0, 20)         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         No       92 (78, 96)         Wes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       1 have no problems in walking       89 (71, 9)	0= (00 00)	00 (00 00)
Missing       4 (1, 6)         Return to work       58 (39, 72)         No       42 (26, 5)         Missing       9 (4, 13)         Pulmonary complication       79         Yes       8         No       8         Missing       5 (2, 8)         Septic complication       79         Yes       8         No       8         Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery       79s         Yes       8 (3, 9)         Failure of conservative management       92 (78, 96)         No       92 (78, 96)         Wissing       8 (0, 20)         Missing       8 (0, 20)         <	97 (90, 99)	99 (96, 99)
Return to work       Yes       58 (39, 72         No       42 (26, 5         Missing       9 (4, 13         Pulmonary complication       Yes         No       Missing       5 (2, 8         Septic complication       Yes         No       Missing       5 (2, 8         Renal failure       Yes         No       Missing       5 (2, 8         Coagulopathy       4.3 (0, 1         Yes       4.3 (0, 1         No       96 (83.9, 2         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       Missing       6 (3, 9         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9	2.9 (0, 7.2)	1.5 (0.7, 3.7)
Yes       58 (39, 72         No       42 (26, 5         Missing       9 (4, 13         Pulmonary complication       No         Missing       5 (2, 8         Septic complication       Yes         No       Missing       5 (2, 8         Renal failure       Yes         No       Missing       5 (2, 8         Coagulopathy       4.3 (0, 1         Yes       4.3 (0, 1         No       96 (83.9, 1         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       96 (83.9, 1         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9	3(1, 5)	24 (17, 30)
No       42 (26, 5         Missing       9 (4, 13         Pulmonary complication       7es         No       No         Missing       5 (2, 8         Reptic complication       5         Yes       No         Missing       5 (2, 8         Renal failure       Yes         No       Missing         Coagulopathy       5 (2, 8         Yes       4.3 (0, 1         No       96 (83.9, 3         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       96 (83.9, 3         Missing       6 (3, 9         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       1 have no problems in walking       89 (71, 9		
Missing       9 (4, 13)         Pulmonary complication       Yes         No       Missing       5 (2, 8)         Septic complication       Yes         Yes       No         Missing       5 (2, 8)         Renal failure       Yes         Yes       No         Missing       5 (2, 8)         Coagulopathy       Yes         Yes       4.3 (0, 1)         No       96 (83.9, 3)         Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9)		53 (44, 59)
Pulmonary complication         Yes           No         Missing         5 (2, 8)           Septic complication         Yes           Yes         No           Missing         5 (2, 8)           Renal failure         Yes           Yes         Verical State of Coagulopathy           Yes         4.3 (0, 1)           No         96 (83.9, 1)           Missing         5 (2, 8)           Need for reexploration or resurgery         Yes           No         Missing           Failure of conservative management         92 (78, 96           Yes         8 (0, 20           Missing         8 (0, 20           Missing         8 (0, 20           Missing         8 (0, 20           I have no problems in walking         89 (71, 9)		47 (39, 53)
Yes       No         Missing       5 (2, 8)         Septic complication       Yes         No       No         Missing       5 (2, 8)         Renal failure       Yes         Yes       4.3 (0, 1)         No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       Missing         No       Missing         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9)	) 16 (11, 21)	56 (46, 65)
No       Missing       5 (2, 8         Septic complication       Yes         No       Missing       5 (2, 8         Renal failure       Yes         No       Missing       5 (2, 8         Coagulopathy       4.3 (0, 1         Yes       4.3 (0, 1         No       96 (83.9, 1         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       Missing       6 (3, 9         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9		
Missing       5 (2, 8         Septic complication         Yes       No         Missing       5 (2, 8         Renal failure       Yes         No       Missing       5 (2, 8         Coagulopathy       4.3 (0, 1         Yes       4.3 (0, 1         No       96 (83.9, 1         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       Missing       6 (3, 9         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9		
Septic complication         Yes         No         Missing       5 (2, 8         Renal failure         Yes         No       4.3 (0, 1         No       96 (83.9, 3         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       Missing       6 (3, 9         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9		
Septic complication         Yes         No         Missing       5 (2, 8         Renal failure         Yes         No       4.3 (0, 1         No       96 (83.9, 1         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       Missing       6 (3, 9         Failure of conservative management       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9	10 (6, 15)	33 (24, 40)
Yes       No         Missing       5 (2, 8         Renal failure       Yes         Yes       No         Missing       5 (2, 8         Coagulopathy       4.3 (0, 1         No       96 (83.9, 1         Missing       5 (2, 8         Need for reexploration or resurgery       Yes         No       Missing         Failure of conservative management       80 (3, 9)         Yes       8 (0, 20         Missing       3 (0, 5)         EQ-5D mobility at discharge       1 have no problems in walking       89 (71, 9	,	,
No       Missing       5 (2, 8         Renal failure       Yes         Yes       No         Missing       5 (2, 8         Coagulopathy       4.3 (0, 1         No       96 (83.9, 3)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       Missing         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20         Missing       3 (0, 5)         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9)	3.2 (0, 8)	0.8(0, 2.4)
Missing       5 (2, 8)         Renal failure       Yes         Yes       3 (0, 1)         Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)	97 (91, 98)	99 (96, 99)
Renal failure         Yes       No         Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9)	· / /	33 (24, 40)
Yes       No         Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 2)         Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       8         No       5         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)	10 (0, 10)	00 (21, 10)
No       5 (2, 8)         Coagulopathy       4.3 (0, 1)         Yes       4.3 (0, 1)         No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       I have no problems in walking       89 (71, 9)		
Missing       5 (2, 8)         Coagulopathy       4.3 (0, 1)         No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       8         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       1         I have no problems in walking       89 (71, 9)		
Coagulopathy       4.3 (0, 1         No       96 (83.9, 3)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       8         Missing       6 (3, 9)         Failure of conservative management       8         No       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)	10 (6, 15)	32 (24, 39)
Yes       4.3 (0, 1         No       96 (83.9, 3)         Missing       5 (2, 8)         Need for reexploration or resurgery       Yes         No       8         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       1         I have no problems in walking       89 (71, 90)	10 (0, 13)	32 (24, 39)
No       96 (83.9, 1)         Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge       49 (71, 9)         I have no problems in walking       89 (71, 9)	- )	
Missing       5 (2, 8)         Need for reexploration or resurgery         Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)		
Need for reexploration or resurgery           Yes           No           Missing         6 (3, 9)           Failure of conservative management           No         92 (78, 96)           Yes         8 (0, 20)           Missing         3 (0, 5)           EQ-5D mobility at discharge           I have no problems in walking         89 (71, 9)	,	99 (24, 92)
Yes       No         Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         No       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)	10 (6, 15)	32(24,39)
No       6 (3, 9)         Failure of conservative management       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)	4.0 (0.7.5)	2 7 (2 2 7 2)
Missing       6 (3, 9)         Failure of conservative management       92 (78, 96)         No       92 (78, 96)         Yes       8 (0, 20)         Missing       3 (0, 5)         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9)	1.6 (0, 5.2)	$2.5 \ (0.8, 5.3)$
Failure of conservative management         No       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9	98 (90, 99)	97 (92, 98)
No       92 (78, 96         Yes       8 (0, 20         Missing       3 (0, 5         EQ-5D mobility at discharge         I have no problems in walking       89 (71, 9	10 (6, 15)	42 (33, 50)
Yes 8 (0, 20 Missing 3 (0, 5) EQ-5D mobility at discharge I have no problems in walking 89 (71, 9		
Missing 3 (0, 5) <b>EQ-5D mobility at discharge</b> I have no problems in walking 89 (71, 9)		98 (93, 98)
EQ-5D mobility at discharge I have no problems in walking 89 (71, 9)	1.6 (0, 4.7)	1.7(0,4)
I have no problems in walking 89 (71, 9	12 (7, 17)	44 (34, 52)
	6) 92 (84, 96)	62 (55, 68)
	, , ,	19 (14, 25)
I am confined to bed	3.3 (0, 8.45)	19 (13, 23)
Missing 10 (6, 1	. '. ' . '	43 (33, 51)
EQ-5D self-care at discharge	, 10 (0, 10)	40 (00, 01)
I have no problems with self-care 67 (45, 8	0) 85 (76, 90)	50 (42.8, 55)

I have some problems bathing or dressing myself	11 (0, 25)	8.3 (3.93, 14.78)	31 (24.46, 36.9)
I am unable to bathe or dress myself	$22 \ (7.7, 38)$	$6.7\ (2.9,\ 13)$	19 (12, 23)
Missing	10 (6, 14)	13 (8, 18)	43 (33, 51)
EQ-5D usual activities at discharge			
I have no problems in performing my usual activities	61 (42, 75.89)	85 (76, 90)	47 (40, 53)
I have some problems in performing my usual activities	22 (7.7, 40)	8.3 (3.93, 14.78)	38 (31, 43)
I am unable to perform my usual activities	17 (5.6, 33)	$6.7\ (2.9,\ 13)$	15 (9.53, 19)
Missing	10 (6, 14)	13 (8, 18)	43 (33, 51)
EQ-5D pain/discomfort at discharge			
I have no pain or discomfort	50 (31, 67)	65 (54.36, 73)	25 (18.03, 30)
I have moderate pain or discomfort	50 (29, 64)	$30\ (21,\ 38)$	35 (29, 41)
I have extreme pain or discomfort		5(1.8, 11)	40 (33, 46)
Missing	10 (6, 14)	13 (8, 18)	43 (33, 51)
EQ-5D anxiety/depression at discharge			
I am not anxious or depressed	83 (65, 93)	95 (88, 97)	92 (87, 94)
I am moderately anxious or depressed	17 (5.6, 32)	5(1.7, 10)	6.8 (4.1, 11)
I am extremely anxious or depressed			1.7 (0, 3.8)
Missing	10 (6, 14)	13 (8, 18)	43 (33, 51)
EQ-5D mobility at 30 day follow-up	()	()	()
I have no problems in walking	80 (61, 89.32)	98 (90, 98)	77 (69, 81)
I have some problems in walking	20 (9.1, 36)	/>	17 (11, 22)
I am confined to bed	- (1 1-)	1.7 (0, 5.37)	5.9(2.9, 11)
Missing	8 (4, 12)	15 (10, 20)	59 (49, 68)
EQ-5D self-care at 30 day follow-up	00 (69 01)	07 (01 00)	70 (71 00)
I have no problems with self-care	80 (63, 91)	97 (91, 99)	79 (71, 83)
I have some problems bathing or dressing myself	10 (0, 24)	0.4 (0.05)	15 (9.7, 20)
I am unable to bathe or dress myself	10 (0, 25)	3.4 (0, 8.5)	5.9 (3, 10)
Missing	8 (4, 12)	15 (10, 20)	59 (49, 68)
EQ-5D usual activities at 30 day follow-up	75 (57 00)	05 (00 00)	01 (79 05)
I have no problems in performing my usual activities	75 (57, 88)	95 (88, 98)	81 (73, 85)
I have some problems in performing my usual activities I am unable to perform my usual activities	15 (5.6, 30)	1.7 (0, 5.89)	12 (7.5, 17)
1 0	10 (0, 25)	3.4 (0, 8.5)	6.9 (3.9, 11.43)
Missing FO FD pair /discomfort at 20 day follow up	8 (4, 12)	15 (10, 20)	59 (49, 68)
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort	80 (63, 90)	86 (77, 91)	79 (71, 83)
I have no pain of discomfort  I have moderate pain or discomfort	20 (7.7, 35)	14 (7.3, 20)	19 (13, 24)
I have extreme pain or discomfort	20 (1.1, 50)	14 (1.5, 20)	2 (0.8, 5)
Missing	8 (4, 12)	15 (10, 20)	59 (49, 68)
EQ-5D anxiety/depression at 30 day follow-up	0 (1, 12)	10 (10, 20)	00 (10, 00)
I am not anxious or depressed	85 (67, 93)	97 (91, 99)	95 (89, 97)
I am moderately anxious or depressed	15 (5.6, 30)	3.4 (0, 8.5)	3.9 (1.9, 7.66)
I am extremely anxious or depressed	10 (0.0, 00)	0.1 (0, 0.0)	1 (0, 3)
Missing	8 (4, 12)	15 (10, 20)	59 (49, 68)
Patient satisfaction	~ (-,)	(,)	00 (20, 00)
Very satisfied	79 (64, 89)	94 (87, 96)	70 (63, 74)
Somewhat satisfied	13 (4.37, 25)	5.7 (2.7, 11)	14 (9, 17)
Somewhat dissatisfied	4.2 (0, 14)	··· (=··,)	9.4 (6.6, 14)
Very dissatisfied	4.2 (0, 14)		5.8 (3, 8.6)
Missing	4 (1, 6)	3 (1, 5)	23 (15, 28)
Number of hospitalizations for this injury	( ) - )	- ( ) - /	- ( - , - ,
Missing	3 (0, 5)	11 (6, 16)	34 (26, 42)
EQ-5D health state at discharge	65 (50, 75)	90 (80, 90)	50 (5, 50)
Missing	10 (6, 14)	19 (13, 25)	48 (38, 57)
EQ-5D health state at 30 day follow-up	83 (80, 95)	. , ,	83 (40, 98)
Missing	8 (4, 12)	17 (11, 23)	61 (50, 70)
Cost of treatment	5000 (0, 7000)	1500 (250, 1500)	2500 (1250, 6000)
Missing	21 (14, 27)	21 (14.1, 27)	90 (78, 101)

#### Absolute change from baseline for all outcomes, comparing the period after training with the period before training, by treatment arms

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 161$
30 day mortality			
Yes	3.8 (0, 14)	-5.1 (-12.3, 2.4)	13.4 (6.3, 18)
No	-4 (-20.24, 0)	5 (-4, 11)	-13 (-18, -6)
Missing	0 (-4, 2)	4 (-3, 9)	23 (16, 30)
24 hour mortality			
Yes			-2.4 (-8.61, 0)

No			2 (0, 5)
Missing	0 (-4, 2)	3 (-3, 8)	7 (3, 11)
In-hospital mortality Yes	3.7 (0, 13)	-2.9 (-9.89, 2.1)	7.1 (-0.71, 12)
No	-4 (-20.49, 0)	3 (-4, 8)	-7 (-13, -1)
Missing	1 (0, 2)		2(0, 3)
Self-ambulatory at discharge	2 (2 22)	4 ( = = 0=)	4 ( 4 . 4 4 )
Yes No	8 (0, 22)	1 (-5, 5.07)	4 (-1, 11)
Missing	-8.3 (-30.61, 0) 0 (-5, 3)	-1.2 (-7, 3.2) -5 (-11, -2)	-3.6 (-11.33, 0.7) 22 (14, 28)
Return to work	0 ( 0, 0)	o ( 11, 2)	<b>22</b> (11, <b>2</b> 0)
Yes	-25 (-50, 8)	-4 (-18, 8)	12 (-4, 25)
No	25 (-11, 48)	4 (-10, 16)	-12 (-28, 1)
Missing Pulmonary complication	-1 (-8, 4)	1 (-8, 8)	44 (33, 54)
Yes		-2.2 (-8.67, 0)	
No		2 (0, 4)	
Missing	-1 (-7, 2)	-1 (-8, 4)	$31\ (22,\ 38)$
Septic complication		10 ( 7.00 0 7)	1.7 (7.1.0.0)
Yes No		-1.2 (-7.32, 3.7) 1 (-5, 6)	-1.7 (-7.1, 0.8) 1 (-2, 5)
Missing	-1 (-7, 2)	-2 (-10, 3)	32 (23, 39)
Renal failure	( - , ,	( -, -,	- ( -,,
Yes			
No M:	0 ( 6 9)	1 (0 4)	21 (22 22)
Missing Coagulopathy	0 (-6, 3)	-1 (-8, 4)	$31\ (22,\ 38)$
Yes	4.3 (0, 15)		
No	-4 (-16.1, 0)		
Missing	-1 (-7, 2)	-2 (-10, 3)	$31\ (22,\ 38)$
Need for reexploration or resurgery		0.5 ( 0. 1.0)	25 (0.0.5.9)
Yes No		-0.5 (-6, 1.8) 0 (-5, 2)	2.5 (0.8, 5.3) -3 (-8, -2)
Missing	2 (-4, 5)	0 (-7, 5)	41 (32, 50)
Failure of conservative management	. , ,	, ,	
No	-8 (-22, -3.76)	0 (-5, 2)	-2 (-7, -2)
Yes Missing	8 (0, 20) -7 (-14, -3)	-0.6 (-6.57, 1.8) 1 (-6, 7)	$ \begin{array}{c} 1.7 \ (0, 4) \\ 42 \ (32, 50) \end{array} $
EQ-5D mobility at discharge	-7 (-14, -5)	1 (-0, 1)	42 (32, 30)
I have no problems in walking	22 (-3, 44)	9 (-2, 18)	0 (-13, 14)
I have some problems in walking	2.7 (-16.58, 16)	-7 (-15.38, 1.86)	1 (-11, 10)
I am confined to bed	-25 (-52.75, -11)	-1.6 (-8.7, 3.6)	-2 (-17, 7)
Missing EQ-5D self-care at discharge	6 (0, 10)	-3 (-11, 4)	41 (31, 49)
I have no problems with self-care	9 (-21, 37)	5 (-6, 16)	-9 (-22, 3)
I have some problems bathing or dressing myself	-6 (-28.98, 10.92)	-3.7 (-12.74, 4.9)	16 (5, 26.3)
I am unable to bathe or dress myself	-3 (-30, 18)	-0.6 (-8, 7.5)	-7 (-21.28, 2)
Missing EQ-5D usual activities at discharge	6 (0, 10)	-3 (-11, 4)	41 (31, 49)
I have no problems in performing my usual activities	11 (-21, 36)	9 (-4, 20)	-7 (-21, 4)
I have some problems in performing my usual activities	-3 (-28.99, 19)	-6.7 (-17.95, 1.6)	10 (-2, 22)
I am unable to perform my usual activities	-8 (-33, 14)	-3.1 (-12.02, 4.5)	-3 (-16, 5)
Missing FO 5D pain /discomfont at discharge	6(0, 10)	-3 (-11, 4)	41 (31, 49)
EQ-5D pain/discomfort at discharge I have no pain or discomfort	17 (-13, 40.82)	31 (14, 43)	-8 (-22, 3)
I have moderate pain or discomfort	-17 (-44, 10)	-33 (-47, -18)	-6 (-18, 7.44)
I have extreme pain or discomfort	. ( , -,	2.6 (-2.9, 7.5)	14 (-1, 23)
Missing	6(0, 10)	-3 (-11, 4)	41 (31, 49)
EQ-5D anxiety/depression at discharge	22 (5 56)	00 (11 22)	12 (4 94)
I am not anxious or depressed I am moderately anxious or depressed	33 (5, 56) -33 (-57.09, -8)	22 (11, 33) -19 (-30.19, -9)	13 (4, 24) -11.2 (-22.33, -2.6)
I am extremely anxious or depressed	00 (01.00, 0)	-2.4 (-8.8, 0)	-0.9 (-7.3, 1.7)
Missing	6 (0, 10)	-3 (-11, 4)	41 (31, 49)
EQ-5D mobility at 30 day follow-up			
I have no problems in walking	13 (-21, 45)	7(0, 13)	12 (-4.21, 24)
I have some problems in walking I am confined to bed	3 (-37.43, 24) -17 (-50, 0)	-7 (-16, -2.7) -0.6 (-6.4, 2.6)	4 (-8, 12.4) -17.1 (-31.17, -7.71)
Missing	-2 (-9, 3)	1 (-7, 8)	49 (37, 59)
EQ-5D self-care at 30 day follow-up			
I have no problems with self-care	-3 (-24, 38)	6 (-1, 13)	8 (-5.79, 20)
I have some problems bathing or dressing myself I am unable to bathe or dress myself	-7 (-50, 12) 10 (0, 25)	-4.7 (-12, -2) -1.3 (-7.96, 3.8)	8.5 (0, 15.9) -17.1 (-30.4, -7.26)
I am anable to bathe of thess myself	10 (0, 20)	-1.0 (-1.00, 0.0)	-11.1 (-30.4, -1.20)

Missing	-2 (-9, 3)	1 (-7, 8)	49 (37, 59)
EQ-5D usual activities at 30 day follow-up			• • •
I have no problems in performing my usual activities	-25 (-43, -12)	4 (-5, 10)	10 (-3, 23)
I have some problems in performing my usual activities	15 (5.6, 30)	-3 (-10.04, 0.9)	-7 (-19.74, 3)
I am unable to perform my usual activities	10 (0, 25)	-1.3 (-7.96, 3.8)	-2.8 (-13.91, 4.3)
Missing	-2 (-9, 3)	1 (-7, 8)	49 (37, 59)
EQ-5D pain/discomfort at 30 day follow-up			
I have no pain or discomfort	13 (-20, 46)	9 (-4, 19)	5 (-7, 19)
I have moderate pain or discomfort	-13 (-50, 18)	-7 (-18.5, 4)	-7 (-23, 3)
I have extreme pain or discomfort		-2.3 (-8.6, 0)	2(0.8, 5)
Missing	-2 (-9, 3)	1 (-7, 8)	49 (37, 59)
EQ-5D anxiety/depression at 30 day follow-up			
I am not anxious or depressed	-15 (-33, -7)	11 (3, 20)	-2 (-7, 4)
I am moderately anxious or depressed	15 (5.6, 30)	-8.6 (-17.4, -1.7)	0.7 (-8.21, 4.3)
I am extremely anxious or depressed		-2.3 (-8.6, 0)	1 (0, 3)
Missing	-2 (-9, 3)	1 (-7, 8)	49 (37, 59)
Patient satisfaction			
Very satisfied	15 (-7, 38)	21 (10, 28)	3 (-10, 14)
Somewhat satisfied	-23 (-45.8, -3)	-10.3 (-19.46, -2.32)	-9 (-21, -0.25)
Somewhat dissatisfied	4.2(0,14)	-3.9 (-10, -1.66)	1.7 (-7.5, 7.4)
Very dissatisfied	4.2(0,14)	-7.8 (-15, -3.8)	3.2 (-3.6, 6.5)
Missing	2 (-2, 5)	-3 (-9, 0)	$21\ (13,\ 27)$
Number of hospitalizations for this injury	0 (-1, -0.5)		
Missing	-7 (-14, -3)	3 (-4, 8)	32 (24, 41)
EQ-5D health state at discharge	5 (-20, 25)	10 (-10, 10)	0 (-54.09, 46)
Missing	5 (-1, 10)	3 (-6, 11)	38 (26, 48)
EQ-5D health state at 30 day follow-up	-17 (-30, 0)		73 (1, 91)
Missing	-2 (-9, 3)	2 (-7, 9)	47 (34, 57)
Cost of treatment	, , ,	-525 (-4000, 503)	-11500 (-44900.27, 250)
Missing	7 (-3, 13)	3 (-7, 11)	67 (52, 80)

# Relative change from baseline for all outcomes, comparing the period after training with the period before training, by treatment arms

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 161$
30 day mortality			
Yes		0.49 (0.13, 1.51)	6.15 (3.68, 10)
No	0.96 (0.8, 1)	1.06 (0.97, 1.14)	0.87 (0.82, 0.94)
Missing	1 (0, 3)	$1.5\ (0.75,\ 3)$	8.67 (3.8, 20)
24 hour mortality			
Yes			
No			1.02(1, 1.05)
Missing	1 (0, 3)	1.6 (0.7, 4.44)	
In-hospital mortality			
Yes		0.59 (0.15, 1.85)	2.45 (1.01, 5.42)
No	0.96 (0.8, 1)	$1.03 \ (0.98, \ 1.1)$	$0.93 \ (0.88, 1)$
Missing			
Self-ambulatory at discharge			
Yes	1.09(1, 1.28)	$1.01 \ (0.96, \ 1.07)$	1.04 (0.99, 1.12)
No		$0.71\ (0.15,\ 2.88)$	0.29 (0.08, 1.12)
Missing	1(0.2, 2)	0.38(0.1, 1)	12 (4.8, 26)
Return to work			
Yes	0.7 (0.48, 1.11)	$0.95 \ (0.78, \ 1.13)$	1.29 (0.95, 1.89)
No	2.47 (1.48, 6.44)	1.15 (0.74, 1.9)	$0.8 \; (0.61,  1.05)$
Missing	$0.9 \ (0.42, \ 1.71)$	$1.07 \ (0.62, \ 1.82)$	4.67(3, 7.15)
Pulmonary complication			
Yes			
No		1.02(1, 1.04)	
Missing	$0.83 \ (0.25, \ 1.8)$	$0.91 \ (0.47, \ 1.72)$	16.5 (6.78, 36)
Septic complication			
Yes		$0.73 \ (0.17, \ 3)$	$0.32\ (0.1,\ 1.62)$
No		$1.01 \ (0.96, \ 1.07)$	$1.01 \ (0.98, \ 1.05)$
Missing	$0.83 \ (0.25, \ 1.8)$	$0.83 \ (0.42, \ 1.55)$	33 (16.5, 43)
Renal failure			
Yes			
No			
Missing	1 (0.23, 2)	$0.91\ (0.47,\ 1.72)$	$32\ (16,\ 41)$
Coagulopathy			

Yes No	0.96 (0.84, 1)		
Missing	0.83 (0.25, 1.8)	0.83 (0.43, 1.46)	32 (16, 41)
Need for reexploration or resurgery	0.00 (0.20, 1.0)	0.00 (0.10, 1.10)	0 <b>2</b> (10, 11)
Yes		0.76(0, 4.29)	
No		1 (0.95, 1.02)	0.97 (0.92, 0.98
Missing	1.5 (0.5, 3.5)	1 (0.47, 1.8)	42 (22, 52)
Failure of conservative management			
No	$0.92 \ (0.78, \ 0.96)$	1 (0.95, 1.02)	0.98 (0.93, 0.98
Yes	0.0 (0.00, 0.0)	0.73 (0, 3.6)	22 (0.25, 40)
Missing	$0.3\ (0.08,\ 0.8)$	$1.09 \ (0.58, \ 2.03)$	22 (9.25, 48)
EQ-5D mobility at discharge I have no problems in walking	1.33 (0.97, 1.9)	1.11 (0.99, 1.26)	1 (0.81, 1.26)
I have no problems in walking	1.33 (0.54, 4.61)	0.42 (0.13, 1.38)	1.06 (0.61, 2)
I am confined to bed	1.55 (0.54, 4.01)	0.67 (0.16, 2.85)	0.9 (0.48, 1.5)
Missing	2.5(1, 5.5)	0.81 (0.46, 1.44)	21.5 (9, 46)
EQ-5D self-care at discharge	( ) /	, , ,	( / /
I have no problems with self-care	1.16 (0.74, 1.94)	1.06 (0.93, 1.23)	0.85 (0.68, 1.08
I have some problems bathing or dressing myself	0.65 (0, 2.3)	$0.69 \ (0.26, \ 1.82)$	2.07 (1.24, 4.49
I am unable to bathe or dress myself	$0.88 \ (0.32, \ 2.5)$	$0.92 \ (0.35, \ 3.6)$	$0.73 \ (0.42, 1.14)$
Missing	2.5 (1, 5.5)	$0.81 \ (0.46, 1.44)$	21.5 (9, 46)
EQ-5D usual activities at discharge	1.00 (0.7. 0.14)	1 10 (0 0 1 1 91)	0.07 (0.00 1.15
I have no problems in performing my usual activities	1.22 (0.7, 2.14)	1.12 (0.97, 1.31)	0.87 (0.69, 1.15
I have some problems in performing my usual activities I am unable to perform my usual activities	$0.88 \ (0.3, 2.64)$	0.55 (0.2, 1.25)	1.36 (0.97, 2.25
am unable to perform my usual activities  Missing	0.68 (0.2, 2.27) 2.5 (1, 5.5)	0.68 (0.22, 2.32) 0.81 (0.46, 1.44)	0.83 (0.44, 1.5 21.5 (9, 46)
EQ-5D pain/discomfort at discharge	2.0 (1, 0.0)	5.01 (0.40, 1.44)	21.0 (3, 40)
I have no pain or discomfort	1.52 (0.76, 3.35)	1.91 (1.33, 2.75)	0.76 (0.51, 1.15
I have moderate pain or discomfort	0.75 (0.45, 1.21)	0.48 (0.33, 0.67)	0.85 (0.64, 1.3
I have extreme pain or discomfort	,	2.08 (1, 5.38)	1.54 (1, 2.31)
Missing	2.5(1, 5.5)	$0.81\ (0.46,\ 1.44)$	21.5 (9, 46)
EQ-5D anxiety/depression at discharge			
am not anxious or depressed	1.66 (1.08, 2.86)	1.3 (1.15, 1.54)	1.16 (1.05, 1.36
am moderately anxious or depressed	$0.34\ (0.11,\ 0.82)$	$0.21\ (0.06,\ 0.51)$	0.38 (0.18, 0.87
I am extremely anxious or depressed	2 = (1 = =)	0.91 (0.46, 1.44)	0.65 (0.28, 2)
Missing EQ-5D mobility at 30 day follow-up	2.5 (1, 5.5)	$0.81 \ (0.46, \ 1.44)$	21.5 (9, 46)
I have no problems in walking	1.19 (0.79, 2.15)	1.08 (1, 1.17)	1.18 (0.97, 1.46
I have some problems in walking	1.18 (0.65, 3.54)	1.00 (1, 1.11)	1.31 (0.62, 3.1
I am confined to bed	(0.00, 0.0-)	$0.74 \ (0.25, 4.16)$	0.26 (0.1, 0.54
Missing	0.8 (0.33, 1.5)	1.07 (0.62, 1.88)	5.9 (3.71, 10.16
EQ-5D self-care at 30 day follow-up			
I have no problems with self-care	$0.96 \ (0.76, \ 1.77)$	1.07(1, 1.17)	1.11 (0.94, 1.36
I have some problems bathing or dressing myself	$0.59 \ (0.24, \ 2.21)$		$2.31\ (1,\ 5.6)$
I am unable to bathe or dress myself	/	0.72 (0, 3.03)	0.26 (0.11, 0.54
Missing	$0.8 \ (0.33, \ 1.5)$	$1.07 \ (0.62, 1.88)$	5.9 (3.71, 10.16
EQ-5D usual activities at 30 day follow-up	0.75 (0.57 0.99)	1.04 (0.96, 1.13)	1 14 (0 07 1 20
I have no problems in performing my usual activities I have some problems in performing my usual activities	$0.75 \ (0.57, \ 0.88)$	0.36 (0, 2.25)	1.14 (0.97, 1.39 0.63 (0.33, 1.39
I am unable to perform my usual activities		0.72 (0, 3.03)	0.71 (0.28, 1.88
Missing	0.8 (0.33, 1.5)	1.07 (0.62, 1.88)	5.9 (3.71, 10.16
EQ-5D pain/discomfort at 30 day follow-up	(0.30, 1.0)	(, 1.00)	(51, 10.11
I have no pain or discomfort	1.19 (0.8, 2.18)	1.12 (0.97, 1.29)	1.07 (0.92, 1.31
I have moderate pain or discomfort	$0.61 \ (0.25, \ 1.7)$	0.67 (0.33, 1.38)	0.73 (0.41, 1.24
I have extreme pain or discomfort			
Missing	$0.8 \ (0.33, \ 1.5)$	$1.07 \ (0.62, \ 1.88)$	5.9 (3.71, 10.16
EQ-5D anxiety/depression at 30 day follow-up	0.05 (0.05 0.00)	1.10 (1.01.1.55)	0.00 (0.51.5.1
am not anxious or depressed	$0.85 \ (0.67, \ 0.93)$	1.13 (1.04, 1.26)	0.98 (0.94, 1.05
I am moderately anxious or depressed		$0.28 \ (0, \ 0.86)$	1.22 (0.62, 3.09
I am extremely anxious or depressed Missing	0.8 (0.33, 1.5)	1.07 (0.62, 1.88)	5.9 (3.71, 10.16
Patient satisfaction	0.0 (0.33, 1.0)	1.01 (0.02, 1.00)	5.5 (5.71, 10.10
Very satisfied	1.23 (0.92, 1.81)	1.29 (1.13, 1.44)	1.04 (0.88, 1.25
Somewhat satisfied	0.36 (0.12, 1)	0.36 (0.13, 0.85)	0.61 (0.34, 1)
Somewhat dissatisfied	(, -)	(/ 3.00)	1.22 (0.51, 3.03
Very dissatisfied			2.23 (1.16, 4.17
Missing	2(0.4, 5)	$0.5 \ (0.1, \ 1.25)$	11.5 (4.59, 25)
Number of hospitalizations for this injury			·
Missing	0.3 (0.08, 0.8)	1.38 (0.67, 2.75)	17 (7.25, 37)
EQ-5D health state at discharge	1.08 (0.75, 1.5)	1.12 (0.89, 1.12)	1 (0.18, 12)
Missing	2(0.75, 4)	$1.19 \ (0.71, \ 2)$	4.8 (2.76, 8.15
EQ-5D health state at 30 day follow-up	0.83 (0.7, 1)		8.3 (0.83, 11.11

Missing	0.8 (0.33, 1.5)	1.13 (0.64, 1.89)	4.36 (2.76, 6.5)
Cost of treatment	$0.71\ (0.36,\ 4.61)$	$0.74 \ (0.27, 1.52)$	$0.18\ (0.05,\ 1)$
Missing	1.5 (0.83, 2.28)	1.17 (0.72, 1.85)	3.91 (2.74, 5.38)

#### Absolute and relative differences in outcomes after training, comparing standard care with $\operatorname{ATLS}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	12.2 (5.54, 23.06)	4.21 (2.69, 15.71)
No	-12 (-23, -7)	0.88 (0.76, 0.95)
Missing	24 (22, 39)	13 (14, 40)
24 hour mortality		
Yes		
No		
Missing	5(2, 13)	3.5 (2.67, 14)
In-hospital mortality		
Yes	$8.3 \ (2.06, 16.52)$	$3.24 \ (1.81, \ 13.64)$
No	-8 (-17.16, -3)	$0.92 \ (0.83, \ 0.98)$
Missing	1 (-3, 4)	2(1.5, 5)
Self-ambulatory at discharge	. ()	0.00 (0.04 4.00)
Yes	-1 (-7, 1)	$0.99 \ (0.94, 1.02)$
No	1.5 (-0.7, 7.2)	0 (0 10 00)
Missing	$20 \ (-17, \ 32)$	6 (0.18, 29)
Return to work	F ( 96, 92)	0.01 (0.66 1.49)
Yes No	-5 (-26, 23)	$0.91 \ (0.66, 1.48)$
Missing	5 (-24, 25)	1.12 (0.52, 2.06)
Pulmonary complication	47 (41, 63)	$6.22 \ (6.18, 53)$
Yes		
No		
Missing	28 (22, 49)	6.6 (6.33, 43)
Septic complication	20 (22, 10)	0.0 (0.00, 10)
Yes	0.8 (-2.4, 6.64)	
No	-1 (-8, 1)	0.99 (0.92, 1.02)
Missing	28 (21, 50)	6.6 (6.14, 43)
Renal failure	- ( , )	(- , -)
Yes		
No		
Missing	27 (21, 48)	6.4 (5.87, 42)
Coagulopathy		
Yes	-4.3 (-16, -4.27)	
No	4(0, 16)	1.04(1, 1.19)
Missing	27(21,48)	6.4 (5.87, 42)
Need for reexploration or resurgery		
Yes	2.5 (1.01, 7.8)	
No	-3 (-8, -3)	$0.97 \ (0.92, \ 0.97)$
Missing	36 (29, 56)	7 (5.88, 48)
Failure of conservative management	0 (4 00)	1.07 (1.07 1.90)
No	6 (4, 26)	1.07 (1.05, 1.36)
Yes	-6.3 (-26, -5.1)	0.21 (0, 1.27)
Missing	41 (37, 56)	$14.67 \ (17.5, 55)$
EQ-5D mobility at discharge	97 ( 49 19 95)	0.7 (0.56, 1.20)
I have no problems in walking I have some problems in walking	-27 (-42.12, 25) 8 (-14.49, 20.4)	0.7 (0.56, 1.39)
I am confined to bed	19 (15, 30)	$1.73 \ (0.18, \ 9.41)$
Missing	33 (21, 49.23)	4.3 (3.56, 20.5)
EQ-5D self-care at discharge	33 (21, 49.23)	4.5 (5.50, 20.5)
I have no problems with self-care	-17 (-43, 38.24)	0.75 (0.52, 1.8)
I have no problems with sen-care  I have some problems bathing or dressing myself	20 (-19, 34.2)	2.82 (0.31, 11.09)
I am unable to bathe or dress myself	-3 (-20, 16.7)	0.86 (0.13, 4.59)
Missing	33 (21, 49.23)	4.3 (3.56, 20.5)
EQ-5D usual activities at discharge	(, 10.20)	(,
I have no problems in performing my usual activities	-14 (-45, 43)	0.77 (0.49, 1.96)
I have some problems in performing my usual activities	16 (-32.5, 36.4)	1.73 (0.16, 8.36)
I am unable to perform my usual activities	-2 (-17.95, 11.5)	0.88 (0.14, 3.29)
Missing	33 (21, 49.23)	4.3 (3.56, 20.5)
EQ-5D pain/discomfort at discharge		

I have no pain or discomfort	-25 (-48, 43)	0.5 (0.29, 2.64)
I have moderate pain or discomfort	-15 (-49, -10.34)	$0.7 \ (0.26, \ 0.87)$
I have extreme pain or discomfort	40 (36.16, 55)	4 2 (2 56 20 5)
Missing	33 (21, 49.23)	4.3 (3.56, 20.5)
EQ-5D anxiety/depression at discharge	0 (5 26)	1 11 (1 00 1 60)
I am not anxious or depressed	9 (5, 36)	1.11 (1.08, 1.68)
I am moderately anxious or depressed	-10.2 (-39.9, -8.17)	0.4 (0, 0.75)
I am extremely anxious or depressed	1.7 (0, 5.1)	49 (9 50 90 5)
Missing	33 (21, 49.23)	4.3 (3.56, 20.5)
EQ-5D mobility at 30 day follow-up	0 ( 07 07)	0.00 (0.77 1.07)
I have no problems in walking	-3 (-25, 25)	0.96 (0.75, 1.35)
I have some problems in walking	-3 (-22, 20)	0.85 (0, 5.21)
I am confined to bed	5.9 (3.9, 15)	( )
Missing	51 (44, 69)	$7.38 \ (7.44, 53)$
EQ-5D self-care at 30 day follow-up		
I have no problems with self-care	-1 (-21.93, 23)	$0.99 \ (0.78, \ 1.3)$
I have some problems bathing or dressing myself	5 (-17, 19)	1.5 (1.39, 4.17)
I am unable to bathe or dress myself	-4.1 (-29, -0.9)	0.59 (0, 1.48)
Missing	51 (44, 69)	$7.38 \ (7.44, 53)$
EQ-5D usual activities at 30 day follow-up		
I have no problems in performing my usual activities	6 (-17, 22)	$1.08 \ (0.83, \ 1.35)$
I have some problems in performing my usual activities	-3 (-16.29, 13)	0.8 (0, 8.67)
I am unable to perform my usual activities	-3.1 (-20.5, 2.3)	0.69(0, 2.3)
Missing	51 (44, 69)	$7.38 \ (7.44, 53)$
EQ-5D pain/discomfort at 30 day follow-up		
I have no pain or discomfort	-1 (-14, 13)	$0.99 \ (0.84, \ 1.17)$
I have moderate pain or discomfort	-1 (-15.61, 9)	0.95 (0.38, 2.01)
I have extreme pain or discomfort	2(0, 8.12)	
Missing	51 (44, 69)	7.38 (7.44, 53)
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	10 (7, 36)	1.12 (1.09, 1.58)
I am moderately anxious or depressed	-11.1 (-35.8, -7.5)	0.26 (0, 0.6)
I am extremely anxious or depressed	1 (0, 4.16)	
Missing	51 (44, 69)	7.38 (7.44, 53)
Patient satisfaction	, ,	, , ,
Very satisfied	-9 (-29, 27)	0.89(0.7, 1.39)
Somewhat satisfied	1 (-12.7, 12.5)	1.08 (0.19, 4.15)
Somewhat dissatisfied	5.2 (-11, 13)	$2.24 \ (2.32, 4.12)$
Very dissatisfied	1.6 (-7.7, 7.9)	1.38 (1.45, 3.95)
Missing	19 (-16, 30)	5.75 (0.2, 28)
Number of hospitalizations for this injury	, ,	, ,
Missing	31 (27, 47)	11.33 (13.33, 48)
EQ-5D health state at discharge	-15 (-65, 50)	0.77 (0.19, 2.57)
Missing	38 (32, 53)	4.8 (4.61, 23)
EQ-5D health state at 30 day follow-up	0 (-35, 20)	1 (0.65, 1.27)
Missing	53 (48, 73)	7.62 (7.89, 53)
Cost of treatment	-2500 (-33500, -800)	0.5 (0, 1)
Missing	69 (-8, 93.29)	4.29 (0.95, 8.8)
	22 (2, 00.20)	(5.55, 5.5)

### Absolute and relative differences in outcomes after training, comparing standard care with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	11.1 (0, 20)	3.27 (1.39, 14.7)
No	-11 (-21, -1)	$0.88 \ (0.79, \ 0.99)$
Missing	14 (-15, 28)	2.17 (0, 7.33)
24 hour mortality		
Yes		
No		
Missing	-1 (-16, 2)	0.88(0, 2)
In-hospital mortality		
Yes	7.9(0.3, 15)	2.93 (1.47, 14.73)
No	-8 (-16, -2.52)	$0.92 \ (0.85, \ 0.99)$
Missing	2(0, 5.62)	
Self-ambulatory at discharge	,	
Yes	2 (0, 12)	1.02 (1.01, 1.14)
No	-1.4 (-12, 0)	, , ,

Missing	21 (3, 32.78)	8 (4.41, 43.05)
Return to work		
Yes	-17 (-41, -12)	0.76 (0.42, 0.84)
No	17 (11, 41)	1.57 (1.32, 6.48)
Missing  Pulmonary complication	40 (-1, 59)	3.5 (0.35, 9.57)
Pulmonary complication Yes		
No		
Missing	23 (-2, 37)	3.3 (0.25, 10.5)
Septic complication	- ( ) )	(,,
Yes	-2.4 (-8.7, -1.7)	
No	2(0, 9)	$1.02\ (1.01,\ 1.1)$
Missing	23 (-0.02, 38)	$3.3 \ (0.26, \ 10.67)$
Renal failure		
Yes		
No	22 ( 2, 24)	0.0 (0.00, 10.05)
Missing	22 (-2, 36)	$3.2 \ (0.26, \ 10.25)$
Coagulopathy Yes	0 ( 12 0)	
No	0 (-13, 0) 0 (-17, -2.77)	1 (0.83, 0.97)
Missing	22 (-2, 36)	3.2 (0.26, 10.25)
Need for reexploration or resurgery	22 (-2, 50)	3.2 (0.20, 10.23)
Yes	0.9 (-3.8, 3.3)	
No	-1 (-4, 2)	0.99 (0.96, 1.03)
Missing	32 (0, 47.83)	4.2 (0.4, 12.5)
Failure of conservative management	,	, , ,
No	0(-20.35, 4)	1 (0.8, 1.04)
Yes	0.1 (-4.7, 18.52)	$1.06 \ (0.53, \ 17)$
Missing	32 (-10, 49)	$3.67 \ (0.02, \ 13.16)$
EQ-5D mobility at discharge		
I have no problems in walking	-30 (-48.3, -18)	$0.67 \ (0.53, \ 0.84)$
I have some problems in walking	$14 \ (8.13, \ 33)$	3.8 (3.33, 16.11)
I am confined to bed	15.7 (0, 25)	0.04 (0.70.0)
Missing	30 (-1, 46)	$3.31\ (0.78,\ 8)$
EQ-5D self-care at discharge	25 ( 59 22)	0.50 (0.44, 0.69)
I have no problems with self-care I have some problems bathing or dressing myself	-35 (-52, -33) 22.7 (11.22, 41)	$0.59 \ (0.44, \ 0.62)$
I am unable to bathe or dress myself	12.3 (5, 44.8)	3.73 (2.15, 20.62) 2.84 (1.64, 20)
Missing	30 (-1, 46)	3.31 (0.78, 8)
EQ-5D usual activities at discharge	00 (1, 10)	0.01 (0.10, 0)
I have no problems in performing my usual activities	-38 (-61, -35)	0.55 (0.35, 0.58)
I have some problems in performing my usual activities	29.7 (26.5, 46.5)	4.58 (3.93, 26.47)
I am unable to perform my usual activities	8.3 (1, 32.54)	2.24 (1.28, 18.12)
Missing	30 (-1, 46)	3.31 (0.78, 8)
EQ-5D pain/discomfort at discharge		
I have no pain or discomfort	-40 (-62, -34)	$0.38 \ (0.21, \ 0.43)$
I have moderate pain or discomfort	5 (-6, 45)	$1.17 \ (0.88, 4.46)$
I have extreme pain or discomfort	35 (-3.4, 46)	0.04 (0.70.0)
Missing	30 (-1, 46)	$3.31\ (0.78,\ 8)$
EQ-5D anxiety/depression at discharge	2 ( 24 2 2)	0.07 (0.7.1.04)
I am not anxious or depressed I am moderately anxious or depressed	-3 (-34.2, 3) 1.8 (-5.3, 29.6)	0.97 (0.7, 1.04) 1.36 (0.71, 19.33)
I am extremely anxious or depressed	1.7 (0, 5.11)	1.50 (0.71, 15.55)
Missing	30 (-1, 46)	3.31 (0.78, 8)
EQ-5D mobility at 30 day follow-up	00 ( -, -0)	0.02 (0.00, 0)
I have no problems in walking	-21 (-50, -21)	0.79(0.5, 0.8)
I have some problems in walking	17 (14, 50)	, ,
I am confined to bed	4.2(0, 11)	
Missing	44 (-3, 62)	3.93 (0.32, 11.34)
EQ-5D self-care at 30 day follow-up		
I have no problems with self-care	-18 (-39, -17)	$0.81 \ (0.61, \ 0.83)$
I have some problems bathing or dressing myself	15 (13, 33)	1 84 /1 04 44 5**
I am unable to bathe or dress myself	2.5 (-2.7, 19.96)	1.74 (1.01, 11.76)
Missing  FO 5D usual pativities at 30 day follow up	44 (-3, 62)	3.93 (0.32, 11.34)
EQ-5D usual activities at 30 day follow-up	14 ( 46 10 14)	0.85 (0.52.00)
I have no problems in performing my usual activities I have some problems in performing my usual activities	-14 (-46, -10.14) 10.3 (6.9, 41.2)	0.85 (0.52, 0.9) 7.06 (8.67, 23.89)
I am unable to perform my usual activities	3.5 (-0.8, 24.04)	2.03 (1.41, 11.76)
Missing	44 (-3, 62)	3.93 (0.32, 11.34)
EQ-5D pain/discomfort at 30 day follow-up	-1 (0, 02)	(0.02, 11.01)
I have no pain or discomfort	-7 (-26.76, 0)	0.92 (0.74, 1.01)
I have moderate pain or discomfort	5 (-5, 22.4)	1.36 (0.83, 5.63)
	/	. , ,

I have extreme pain or discomfort	2(0, 8.21)	
Missing	44 (-3, 62)	$3.93 \ (0.32, \ 11.34)$
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	-2 (-42, 1)	$0.98 \ (0.57, \ 1.02)$
I am moderately anxious or depressed	0.5 (-5.49, 35)	$1.15 \ (0.58, \ 27.27)$
I am extremely anxious or depressed	1 (0, 4.33)	
Missing	44 (-3, 62)	3.93 (0.32, 11.34)
Patient satisfaction		
Very satisfied	-24 (-39, -24)	0.74 (0.6, 0.76)
Somewhat satisfied	8.3 (4, 35.6)	2.46 (1.7, 19.33)
Somewhat dissatisfied	9.4 (7.9, 17)	
Very dissatisfied	5.8 (3.05, 13)	
Missing	20 (3.17, 31.12)	7.67 (4.2, 42.25)
Number of hospitalizations for this injury		
Missing	23 (-10, 38)	3.09 (0.03, 10)
EQ-5D health state at discharge	-40 (-89, -40)	$0.56 \ (0.06,  0.64)$
Missing	29 (-8, 48)	2.53 (0.33, 6.33)
EQ-5D health state at 30 day follow-up	-17 (-91, -5)	$0.83 \ (0.09, \ 0.98)$
Missing	44 (-8, 63)	3.59 (0.28, 10.83)
Cost of treatment	1000 (-3000, 13352.04)	1.67 (0.75, 24.43)
Missing	69 (3, 91.22)	4.29 (1.1, 8.76)

# Absolute and relative differences in outcomes after training, comparing ATLS with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	-1.1 (-20.23, 6.37)	0.78(0, 2.86)
No	1 (-8, 19)	1.01 (0.93, 1.24)
Missing	-10 (-37, -2.11)	0.17(0, 0.34)
24 hour mortality	, , ,	,
Yes		
No		
Missing	-6 (-15, -7)	0.25 (0, 0.29)
In-hospital mortality	, ,	( ) /
Yes	-0.4 (-14.6, 6.1)	0.9(0, 2.85)
No	0 (-8, 13)	1 (0.92, 1.15)
Missing	1 (-1, 5)	( ), - /
Self-ambulatory at discharge	( ) - /	
Yes	3 (1, 14)	1.03 (1.01, 1.16)
No	-2.9 (-14, -2.99)	(,)
Missing	1 (-23, 21)	1.33 (0.1, 8.33)
Return to work	( -, ,	(- ,)
Yes	-12 (-40, -3)	0.83(0.45, 1)
No	12 (1, 39.3)	1.4 (1.1, 4.93)
Missing	-7 (-59, 1)	0.56 (0.05, 1.16)
Pulmonary complication	. ( 55, 1)	0.00 (0.00, 1.10)
Yes		
No		
Missing	-5 (-42, 0)	0.5(0, 1.1)
Septic complication	0 (12,0)	0.0 (0, 1.1)
Yes	-3.2 (-8.2, -3.2)	
No	3 (2, 8)	1.03 (1.02, 1.09)
Missing	-5 (-41, 0)	0.5 (0, 1.11)
Renal failure	0 (11, 0)	0.0 (0, 1.11)
Yes		
No		
Missing	-5 (-39, 0)	0.5(0, 1.1)
Coagulopathy	-0 (-33, 0)	0.0 (0, 1.1)
Yes	4.3 (4, 16)	
No	-4 (-16, -4)	0.96 (0.84, 0.96)
Missing	-4 (-10, -4) -5 (-39, 0)	0.90 (0.84, 0.90) 0.5 (0, 1.1)
Need for reexploration or resurgery	-5 (-55, 0)	0.0 (0, 1.1)
Yes	-1.6 (-7.7, -0.9)	
No	2 (0, 8)	1.02 (1, 1.09)
Missing	-4 (-46, 0)	0.6 (0, 1.25)
Failure of conservative management	-4 (-40, 0)	0.0 (0, 1.20)
No	-6 (-26, -5)	0.94 (0.73, 0.95)
110	-0 (-20, -0)	0.04 (0.10, 0.00)

Yes	6.4 (4.9, 26.4)	5 (6.06, 27.14)
Missing	-9 (-52, 3)	$0.25 \ (0, \ 0.44)$
EQ-5D mobility at discharge		
I have no problems in walking	-3 (-32, 28)	$0.97 \ (0.66, 1.46)$
I have some problems in walking	6 (-7.95, 21.33)	$2.2 \ (0.95, 14.27)$
I am confined to bed	-3.3 (-26, 0)	(
Missing	-3 (-51, 2)	$0.77 \ (0.11, \ 1.2)$
EQ-5D self-care at discharge	10 ( 50 94 0)	0.70 (0.51, 1.05)
I have no problems with self-care	-18 (-52.34, 8)	0.79 (0.51, 1.25)
I have some problems bathing or dressing myself	2.7 (-22.88, 24.3)	$1.33 \ (0.24, 5.37)$
I am unable to bathe or dress myself	15.3 (12.3, 42.8)	3.28 (2.37, 20)
Missing EQ-5D usual activities at discharge	-3 (-51, 2)	$0.77 \ (0.11, \ 1.2)$
I have no problems in performing my usual activities	-24 (-63, -10.34)	0.72 (0.36, 1.11)
I have some problems in performing my usual activities	13.7 (-11, 39.1)	2.65 (1.56, 23.16)
I am unable to perform my usual activities	10.3 (6, 50.3)	2.54 (2, 18.33)
Missing	-3 (-51, 2)	0.77 (0.11, 1.2)
EQ-5D pain/discomfort at discharge	( , ,	, ,
I have no pain or discomfort	-15 (-47, 21)	$0.77 \ (0.33, 1.68)$
I have moderate pain or discomfort	20 (16, 49)	1.67 (1.56, 4.46)
I have extreme pain or discomfort	-5 (-49, 2)	
Missing	-3 (-51, 2)	$0.77 \ (0.11, \ 1.2)$
EQ-5D anxiety/depression at discharge		
I am not anxious or depressed	-12 (-43, -10.76)	$0.87 \ (0.55, \ 0.89)$
I am moderately anxious or depressed	12 (9.54, 42.8)	$3.4\ (2.8,\ 22.31)$
I am extremely anxious or depressed	0 (-6.8, 0)	0 == (0.14, 1.0)
Missing	-3 (-51, 2)	$0.77 \ (0.11, \ 1.2)$
EQ-5D mobility at 30 day follow-up	10 ( 55 15)	0.99 (0.45, 0.96)
I have no problems in walking	-18 (-55, -15)	$0.82\ (0.45,\ 0.86)$
I have some problems in walking I am confined to bed	20 (19, 55) -1.7 (-12, 0)	
Missing	-7 (-65, 1)	0.53 (0.05, 1.19)
EQ-5D self-care at 30 day follow-up	-1 (-00, 1)	0.00 (0.00, 1.10)
I have no problems with self-care	-17 (-38, -16)	$0.82\ (0.61,\ 0.85)$
I have some problems bathing or dressing myself	10 (0, 29.61)	0.02 (0.02, 0.00)
I am unable to bathe or dress myself	6.6 (5.7, 24.3)	2.94 (3.11, 13.89)
Missing	-7 (-65, 1)	0.53 (0.05, 1.19)
EQ-5D usual activities at 30 day follow-up		
I have no problems in performing my usual activities	-20 (-46, -21)	$0.79 \ (0.53, \ 0.79)$
I have some problems in performing my usual activities	$13.3\ (12,\ 38)$	8.82 (17.16, 21.11)
I am unable to perform my usual activities	6.6 (5.4, 24)	2.94 (3.11, 13.89)
Missing	-7 (-65, 1)	$0.53 \ (0.05, \ 1.19)$
EQ-5D pain/discomfort at 30 day follow-up	. ()	(
I have no pain or discomfort	-6 (-28.05, 1)	0.93 (0.71, 1.02)
I have moderate pain or discomfort	6 (-2, 27.63)	$1.43 \ (0.93, \ 7.45)$
I have extreme pain or discomfort	0 (-6.6, 0)	0.52 (0.05, 1.10)
Missing EQ-5D anxiety/depression at 30 day follow-up	-7 (-65, 1)	$0.53 \ (0.05, \ 1.19)$
I am not anxious or depressed	-12 (-34, -11)	0.88 (0.65, 0.89)
I am moderately anxious or depressed	11.6 (7.56, 34.4)	4.41 (3.39, 23.75)
I am extremely anxious or depressed	0 (-4.8, -1)	4.41 (0.00, 20.10)
Missing	-7 (-65, 1)	0.53 (0.05, 1.19)
Patient satisfaction	. ( ••, -)	0.00 (0.00, 2.20)
Very satisfied	-15 (-35, -6)	$0.84\ (0.65,\ 1)$
Somewhat satisfied	$7.3\ (2.7,\ 26.7)$	2.28 (1.46, 12.14)
Somewhat dissatisfied	4.2 (-4.5, 14)	, , ,
Very dissatisfied	4.2(0, 15.6)	
Missing	1 (-22, 20)	$1.33\ (0.1,\ 8)$
Number of hospitalizations for this injury		
Missing	-8 (-44, 2)	0.27 (0, 0.5)
EQ-5D health state at discharge	-25 (-84.79, -10)	$0.72 \ (0.06, 1.2)$
Missing	-9 (-55, 2)	0.53 (0.08, 1.11)
EQ-5D health state at 30 day follow-up	-17 (-91, -12)	0.83 (0.09, 0.89)
Missing Cost of treatment	-9 (-67, 1.58)	0.47 (0.04, 1.17)
Missing	3500 (1850, 33000) 0 (-85, 59)	3.33 (2.33, 55.56) 1 (0.16, 3.46)
111001119	0 (-00, 00)	1 (0.10, 0.40)

Absolute and relative differences in changes from baseline for all outcomes, comparing standard care with  $\operatorname{ATLS}$ 

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	9.6 (-20.68, 26.6)	
No	-9 (-26.32, 21)	
Missing	23 (14, 42.26)	
24 hour mortality		
Yes	-2.4 (-9.8, 0)	
No	2(0, 8)	
Missing	7 (3, 17)	
In-hospital mortality		
Yes	3.4 (-12.2, 16.8)	
No	-3 (-17, 12)	
Missing	1 (-3, 4)	2(1.5, 5)
Self-ambulatory at discharge		
Yes	-4 (-32.98, 0)	
No	4.7 (-0.3, 32.49)	
Missing	22 (-26, 36.33)	
Return to work		
Yes	37 (30, 86)	
No	-37 (-86, -31.95)	
Missing	45 (6, 68.16)	
Pulmonary complication		
Yes	0 (-10.73, 0)	
No	0 (-8, 0)	
Missing	32 (-22, 49)	
Septic complication		
Yes	-1.7 (-10.29, 2.6)	
No	1 (-5, 8)	
Missing	33 (-27, 50)	
Renal failure		
Yes		
No		
Missing	31 (-25, 48)	
Coagulopathy		
Yes	-4.3 (-16, -4.27)	
No	4 (0, 16)	
Missing	32 (-25.03, 48.13)	
Need for reexploration or resurgery		
Yes	2.5 (-1.8, 8.85)	
No	-3 (-10.76, -1)	
Missing	39 (-35, 58)	20.5 (19, 58)
Failure of conservative management		
No	6(3, 26)	
Yes	-6.3 (-26, -4.25)	
Missing	49 (44, 66)	
EQ-5D mobility at discharge		
I have no problems in walking	-22 (-78, -15)	
I have some problems in walking	-1.7 (-21.55, 13.73)	
I am confined to bed	23 (16.1, 63)	
Missing	35 (-46, 57)	
EQ-5D self-care at discharge		
I have no problems with self-care	-18 (-54.26, -6)	
I have some problems bathing or dressing myself	$22\ (12.1,\ 59)$	
I am unable to bathe or dress myself	-4 (-30.96, 10.52)	
Missing	35 (-46, 57)	
EQ-5D usual activities at discharge		
I have no problems in performing my usual activities	-18 (-55, 0)	
I have some problems in performing my usual activities	13 (-11, 42.17)	
I am unable to perform my usual activities	5 (-7.8, 30.84)	
Missing	35 (-46, 57)	
EQ-5D pain/discomfort at discharge		
I have no pain or discomfort	-25 (-58, 40)	
I have moderate pain or discomfort	11 (-32, 44)	
I have extreme pain or discomfort	14 (2, 36.82)	
Missing	35 (-46, 57)	
EQ-5D anxiety/depression at discharge	. , ,	
I am not anxious or depressed	-20 (-73, -13)	0.39 (-21.97, 0.94)
I am moderately anxious or depressed	21.8 (15.1, 68)	0.34 (-128.01, 0.74)
I am extremely anxious or depressed	-0.9 (-7.5, 3.2)	

EQ-5D mobility at 30 day follow-up		
I have no problems in walking	-1 (-27, 18)	
I have some problems in walking	1 (-23.18, 20.4)	
I am confined to bed	-0.1 (-24.4, 26.91)	
Missing	51 (36, 73.19)	
EQ-5D self-care at 30 day follow-up		
I have no problems with self-care	11 (1, 58.25)	
I have some problems bathing or dressing myself	15.5 (4.67, 55.92)	
I am unable to bathe or dress myself	-27.1 (-60.9, -26.49)	
Missing	51 (36, 73.19)	
EQ-5D usual activities at 30 day follow-up		
I have no problems in performing my usual activities	35 (29, 76)	
I have some problems in performing my usual activities	-22 (-64, -19.44)	
I am unable to perform my usual activities	-12.8 (-38.4, -11.11)	
Missing	51 (36, 73.19)	
EQ-5D pain/discomfort at 30 day follow-up		
I have no pain or discomfort	-8 (-50.31, 6)	
I have moderate pain or discomfort	6 (-10, 41.62)	
I have extreme pain or discomfort	2 (-4.3, 8.98)	
Missing	51 (36, 73.19)	
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	13 (-6, 38)	
I am moderately anxious or depressed	-14.3 (-39.4, -8.2)	
I am extremely anxious or depressed	1 (-3.6, 7.44)	
Missing	51 (36, 73.19)	
Patient satisfaction		
Very satisfied	-12 (-37, 18)	
Somewhat satisfied	14 (10, 53.3)	0.39 (-11.27, 1.37)
Somewhat dissatisfied	-2.5 (-15.1, 7.4)	
Very dissatisfied	-1 (-17.81, 13.9)	
Missing	19 (-24, 33)	
Number of hospitalizations for this injury	0 (-1, -1)	
Missing	39 (35, 57)	
EQ-5D health state at discharge	-5 (-54.63, 45)	
Missing	33 (-26, 55)	
EQ-5D health state at 30 day follow-up	90 (95, 116)	
Missing	49 (35, 74.02)	
Cost of treatment	-9500 (-51816.81, 3674.01)	
Missing	60 (-54, 90.72)	$9.57 \ (0.37, \ 93.51)$

#### Absolute and relative differences in changes from baseline for all outcomes, comparing standard care with ${\operatorname{PTC}}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	18.5 (18.07, 44.3)	
No	-18 (-44, -18)	
Missing	19 (-1, 33)	
24 hour mortality	• • •	
Yes	-2.4 (-9.8, 0)	
No	2(0, 8)	
Missing	4 (-7, 10)	
In-hospital mortality	· /	
Yes	10 (7.9, 25.8)	
No	-10 (-26, -9)	
Missing	2 (0, 5.62)	
Self-ambulatory at discharge	, ,	
Yes	3 (-4, 23.89)	
No	-2.4 (-22.17, 4.73)	
Missing	27 (22, 49)	
Return to work	. ( , -,	
Yes	16 (-47.27, 44)	
No	-16 (-46, 43)	
Missing	43 (2, 65)	
Pulmonary complication	- ( ) /	
Yes	2.2 (1.9, 10)	
No	-2 (-10, -3)	
Missing	32 (4, 49.28)	
	22 (1, 10.20)	

Septic complication		
Yes	-0.5 (-5.4, 5.63)	
No	0 (-8, 3)	
Missing	34 (5, 52)	
Renal failure		
Yes		
No	99 (7, 70, 99)	
Missing	32 (5, 50.63)	
Coagulopathy Yes	0 (-13, 0)	
No	0 (-17, -2.77)	
Missing	33 (6, 51)	
Need for reexploration or resurgery	( )	
Yes	3 (1, 10)	
No	-3 (-11, -2)	
Missing	41 (28, 60.08)	
Failure of conservative management No	2 ( 27 0)	
Yes	-2 (-27, 0) 2.3 (0, 27.3)	
Missing	41 (-5.86, 60)	
EQ-5D mobility at discharge	11 ( 3.55, 55)	
I have no problems in walking	-9 (-35, 27.92)	
I have some problems in walking	8 (-2.52, 36.58)	
I am confined to bed	-0.4 (-71.43, 11.8)	
Missing	44 (40, 74)	
EQ-5D self-care at discharge	14 ( 54 19)	
I have no problems with self-care I have some problems bathing or dressing myself	-14 (-54, 13) 19.7 (1.36, 57.98)	
I am unable to bathe or dress myself	-6.4 (-36.48, 11)	
Missing	44 (40, 74)	
EQ-5D usual activities at discharge		
I have no problems in performing my usual activities	-16 (-59.47, 8)	
I have some problems in performing my usual activities	16.7 (-4, 48.08)	
I am unable to perform my usual activities	0.1 (-25, 21.77)	
Missing EQ-5D pain/discomfort at discharge	$44 \ (40, 74)$	
EQ-5D pain/discomfort at discharge I have no pain or discomfort	-39 (-78.7, -30)	
I have moderate pain or discomfort	27 (16, 61)	
I have extreme pain or discomfort	11.4 (0.8, 31.48)	
Missing	44 (40, 74)	
EQ-5D anxiety/depression at discharge		
I am not anxious or depressed	-9 (-36, 24)	0.59 (0.16, 3.98)
I am moderately anxious or depressed	7.8 (-28.11, 33.6)	$0.59 \ (0.17, 4.72)$
I am extremely anxious or depressed Missing	$ \begin{array}{c} 1.5 \ (0, \ 13.5) \\ 44 \ (40, \ 74) \end{array} $	
EQ-5D mobility at 30 day follow-up	44 (40, 14)	
I have no problems in walking	5 (-21, 42)	
I have some problems in walking	11 (-6, 57.81)	
I am confined to bed	-16.5 (-82.9, -9.9)	
Missing	48 (1.95, 69)	
EQ-5D self-care at 30 day follow-up I have no problems with self-care	2 (-41, 23)	
I have some problems bathing or dressing myself	13.2 (-7, 62.38)	
I am unable to bathe or dress myself	-15.8 (-37.73, 11.74)	
Missing	48 (1.95, 69)	
EQ-5D usual activities at 30 day follow-up		
I have no problems in performing my usual activities	6 (-66.4, 23)	
I have some problems in performing my usual activities	-4 (-15, 45.45)	
I am unable to perform my usual activities	-1.5 (-11.7, 26.54) 48 (1.95, 69)	
Missing EQ-5D pain/discomfort at 30 day follow-up	48 (1.95, 69)	
I have no pain or discomfort	-4 (-45, 22.09)	
I have moderate pain or discomfort	0 (-34.82, 31)	
I have extreme pain or discomfort	4.3 (3.7, 12.9)	
Missing	48 (1.95, 69)	
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	-13 (-60, -7)	
I am moderately anxious or depressed I am extremely anxious or depressed	9.3 (-1.33, 60.2)	
Missing	3.3 (3.2, 12.9) 48 (1.95, 69)	
Patient satisfaction	10 (1.00, 00)	
Very satisfied	-18 (-61.3, -5)	
	*	

Somewhat satisfied	1.3 (-32, 20.11)
Somewhat dissatisfied	5.6 (0.5, 19.4)
Very dissatisfied	11 (9.75, 25)
Missing	24 (21, 48)
Number of hospitalizations for this injury	0 (-1, -1)
Missing	29 (-12, 47)
EQ-5D health state at discharge	-10 (-73.91, 22)
Missing	35 (10, 57.3)
EQ-5D health state at 30 day follow-up	73 (30, 114)
Missing	45(2,67)
Cost of treatment	-10975 (-54750.09, 1000)
Missing	64 (45, 96.9)

### Absolute and relative differences in changes from baseline for all outcomes, comparing ATLS with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	8.9 (-6.61, 26.96)	
No	-9 (-27, 5)	
Missing	-4 (-37, 1)	
24 hour mortality		
Yes	0(-9.07, 0)	
No	0 (-11, -2)	
Missing	-3 (-15, 0)	
In-hospital mortality	- ( - , - ,	
Yes	6.6 (0.8, 24.78)	
No	-7 (-25, -3)	
Missing	1 (-1, 5)	
Self-ambulatory at discharge	1 (1, 0)	
Yes	7 (4, 41)	
No	-7.1 (-41.1, -5.02)	
Missing	5 (-13, 29)	
Return to work	5 (-15, 29)	
Yes	21 ( 20 0 41)	
No	-21 (-89, -9.41)	
	21 (7, 89)	
Missing	-2 (-61.55, 10)	
Pulmonary complication	2.2 (4.0.40)	
Yes	2.2 (1.9, 10)	
No	-2 (-10, -3)	
Missing	0 (-39.18, 30)	
Septic complication		
Yes	1.2 (-2, 9.63)	
No	-1 (-11, 1)	
Missing	1 (-37, 35)	
Renal failure		
Yes		
No		
Missing	1 (-35.51, 32.96)	
Coagulopathy		
Yes	4.3 (4, 16)	
No	-4 (-16, -4)	
Missing	1 (-36, 34)	
Need for reexploration or resurgery		
Yes	0.5 (-4.3, 4)	
No	0 (-4, 4)	
Missing	2 (-39, 43)	
Failure of conservative management	( , )	
No	-8 (-28, -8)	
Yes	8.6 (7.93, 28.5)	
Missing	-8 (-67, 2)	
EQ-5D mobility at discharge	-0 (-01, 2)	
I have no problems in walking	13 (0, 72)	
I have no problems in walking I have some problems in walking	9.7 (0.8, 45)	
I am confined to bed	-23.4 (-57.5, -20)	
	· /	
Missing	9 (-19, 46)	
EQ-5D self-care at discharge	4 ( 91 40)	
I have no problems with self-care	4 (-21, 46)	

T1 11 1 41: 1 : 10	0.9 ( 40.10, 10.1)	
I have some problems bathing or dressing myself	-2.3 (-40.18, 16.1)	
I am unable to bathe or dress myself	-2.4 (-29, 22.9)	
Missing	9 (-19, 46)	
EQ-5D usual activities at discharge	9 ( 94 45 1)	
I have no problems in performing my usual activities	2 (-24, 45.1)	
I have some problems in performing my usual activities	3.7 (-23, 33.17)	
I am unable to perform my usual activities	-4.9 (-39.95, 11)	
Missing	9 (-19, 46)	
EQ-5D pain/discomfort at discharge	14 ( 50 60 05)	
I have no pain or discomfort	-14 (-59.68, 25)	
I have moderate pain or discomfort	16 (-8, 62.56)	
I have extreme pain or discomfort	-2.6 (-30, 2.21)	
Missing	9 (-19, 46)	
EQ-5D anxiety/depression at discharge	11 ( 4 70)	1 5 (0.00. 25)
I am not anxious or depressed	11 (-4, 70)	1.5 (0.82, 35)
I am moderately anxious or depressed	-14 (-67.3, -3)	$1.74 \ (0.98, \ 28.5)$
I am extremely anxious or depressed	2.4 (0.9, 11.4)	
Missing	9 (-19, 46)	
EQ-5D mobility at 30 day follow-up	6 ( 99 44)	1 96 (0 76 44)
I have no problems in walking	6 (-23, 44)	$1.86 \ (0.76, 44)$
I have some problems in walking	10 (-5.5, 62.26)	
I am confined to bed	-16.4 (-101.8, -4.8)	
Missing	-3 (-71.03, 5)	
EQ-5D self-care at 30 day follow-up	0 ( 02 4)	
I have no problems with self-care	-9 (-93, 4)	
I have some problems bathing or dressing myself	-2.3 (-29.88, 19.24)	
I am unable to bathe or dress myself	11.3 (3.65, 62.3)	
Missing  FO 5D years locativities at 20 day follow up	-3 (-71.03, 5)	
EQ-5D usual activities at 30 day follow-up	20 ( 66 - 26)	
I have no problems in performing my usual activities I have some problems in performing my usual activities	-29 (-66, -26)	
I am unable to perform my usual activities	18 (16, 44.9) 11.3 (9.66, 34.5)	
Missing	S / /	
	-3 (-71.03, 5)	
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort	4 ( 25, 40, 22)	
I have moderate pain or discomfort	4 (-25, 40.33) -6 (-51.14, 18.17)	
I have extreme pain or discomfort	2.3 (0.9, 12)	
Missing	-3 (-71.03, 5)	
EQ-5D anxiety/depression at 30 day follow-up	-5 (-71.05, 5)	
I am not anxious or depressed	-26 (-49, -29)	
I am moderately anxious or depressed	23.6 (23.6, 46)	
I am extremely anxious or depressed	2.3 (1.9, 11)	
Missing	-3 (-71.03, 5)	
Patient satisfaction	-5 (-71.05, 6)	
Very satisfied	-6 (-40, 16)	
Somewhat satisfied	-12.7 (-57.2, -7)	
Somewhat dissatisfied	8.1 (5.8, 30)	
Very dissatisfied	12 (9.9, 26)	
Missing	5 (-11, 26)	
Number of hospitalizations for this injury	0 (-1, -1)	
Missing	-10 (-55, 4)	
EQ-5D health state at discharge	-5 (-65, 25)	
Missing	2 (-36, 37)	
EQ-5D health state at 30 day follow-up	-17 (-109, 2)	
Missing	-4 (-71, 4)	
Cost of treatment	-1475 (-17301.12, 14062.44)	
Missing	4 (-61, 66.23)	
	· ,,	

# Results with 95% confidence level Outcomes in all patients during the entire study period, by treatment arm

Outcome	ATLS, $N = 44$	PTC, $N = 130$	Standard care, $N=202$
30 day mortality			
Yes	2.5 (0, 15)	7.3(2.9, 13)	13 (7.49, 17)
No	98 (85, 100)	93 (86, 96)	87 (81, 91)
Missing	4(1, 9)	20 (12, 29)	29 (19, 40)
24 hour mortality			(
Yes			0.5 (0, 1.6)
No	4 (1 0)	10 (0. 00)	99 (98, 99)
Missing	4 (1, 9)	13 (6, 20)	7 (3, 12)
In-hospital mortality Yes	2.3 (0, 13.39)	5.4 (2.1, 10)	11 (6.67, 15)
No	98 (86, 100)	95 (90, 98)	90 (85, 93)
Missing	1 (0, 3)	30 (30, 30)	2(0,5)
Self-ambulatory at discharge	1 (0, 5)		2 (0, 0)
Yes	97 (81, 100)	97 (91, 99)	98 (93.35, 99)
No	2.8 (0, 17.91)	3.4 (0.9, 8.11)	2.3 (0.6, 6)
Missing	8 (3, 13.73)	11 (5, 17)	26 (16, 35)
Return to work	0 (0, 201.0)	(*,)	== (==, ==)
Yes	64 (40.57, 80)	72 (62, 80)	51 (42, 59)
No	36 (18, 57)	28 (18, 36)	49 (39, 56)
Missing	19 (11, 27)	31 (21, 42)	68 (53, 82)
Pulmonary complication	. , ,	` ' '	` ' '
Yes		0.9(0, 3.5)	
No		99 (95, 100)	
Missing	11 (5, 18)	21 (13, 30)	35(24, 46)
Septic complication			
Yes		3.7 (0.9, 8.3)	1.2(0, 3.7)
No		96 (90, 98)	99 (94, 99)
Missing	11 (5, 18)	$22\ (13,\ 31)$	34 (23, 45)
Renal failure			
Yes			
No		()	()
Missing	10 (4, 16)	$21\ (13,\ 30)$	$33\ (21.57,\ 43)$
Coagulopathy	0 (0 10)		
Yes	3 (0, 16)		
No M:	97 (84, 100)	00 (14 20)	99 (91 57 49)
Missing	11 (5, 18)	22 (14, 32)	$33\ (21.57,\ 43)$
Need for reexploration or resurgery		10(0 56)	10(0 516)
Yes No.		1.8 (0, 5.6)	1.9 (0, 5.16)
No Missing	10 (5, 16.51)	98 (93, 99)	98 (94, 99) 43 (31, 55)
Missing Failure of conservative management	10 (5, 16.51)	20 (12, 28)	45 (51, 55)
No	94 (79, 100)	98 (92, 99)	99 (95, 99)
Yes	6.5 (0, 20)	1.9 (0, 6.09)	1.3 (0, 4.1)
Missing	13 (7, 20)	23 (14, 32)	46 (33, 58)
EQ-5D mobility at discharge	10 (1, 20)	20 (11, 02)	10 (33, 30)
I have no problems in walking	80 (58, 91)	88 (77, 93)	62 (54, 69)
I have some problems in walking	10 (2.8, 27.13)	7.9 (3.66, 15)	18 (11, 23)
I am confined to bed	10 (2.8, 25)	4 (1.1, 9.95)	20 (13, 26)
Missing	14 (7.11, 22)	29 (19, 39)	45 (33, 57)
EQ-5D self-care at discharge	( , , ,	- ( -,,	- (,,
I have no problems with self-care	63 (42, 78.24)	83 (74, 88)	52 (43, 59)
I have some problems bathing or dressing myself	13 (3.1, 27.28)	9.9 (4.95, 16)	27 (19.37, 33)
I am unable to bathe or dress myself	23 (8.05, 39)	6.9 (3, 13)	21 (14, 27)
Missing	14 (7.11, 22)	29 (19, 39)	45 (33, 57)
EQ-5D usual activities at discharge	•	• •	
I have no problems in performing my usual activities	57 (36.2, 74)	81 (72, 87)	48 (39, 54.34)
I have some problems in performing my usual activities	23 (8.3, 40)	11 (5.13, 17)	36 (29, 43)
I am unable to perform my usual activities	00 (0 == 0=)	7.9 (3.7, 14.71)	16 (9.88, 21)
	$20 \ (6.75, \ 37)$		
Missing	20 (6.75, 37) 14 (7.11, 22)	29 (19, 39)	45 (33, 57)
9		29 (19, 39)	45 (33, 57)
EQ-5D pain/discomfort at discharge		29 (19, 39) 52 (41, 60)	45 (33, 57) 27 (20, 33)
EQ-5D pain/discomfort at discharge I have no pain or discomfort	14 (7.11, 22)		
Missing EQ-5D pain/discomfort at discharge I have no pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort	14 (7.11, 22) 43 (26, 61.31)	52 (41, 60) 44 (34, 53.16) 4 (1, 9.38)	27 (20, 33)
EQ-5D pain/discomfort at discharge I have no pain or discomfort I have moderate pain or discomfort	14 (7.11, 22) 43 (26, 61.31)	52 (41, 60) 44 (34, 53.16)	27 (20, 33) 36 (28, 43)

I am not anxious or depressed	70 (50, 85)	86 (77.13, 91)	89 (83, 93)
I am moderately anxious or depressed	30 (13, 47)	13 (6.92, 19)	9.6 (5.84, 15)
I am extremely anxious or depressed		1(0, 4.37)	1.9(0, 4.7)
Missing	14 (7.11, 22)	29 (19, 39)	45 (33, 57)
EQ-5D mobility at 30 day follow-up	, , ,	, ,	, ,
I have no problems in walking	77 (55.4, 89)	95 (88, 97)	74 (65, 80)
I have some problems in walking	19 (6.39, 38)	3 (0.9, 8.4)	16 (9.25, 22)
I am confined to bed	3.8(0, 23.3)	2 (0, 6.18)	9.8 (5.6, 16)
Missing	18 (10, 26)	29 (19, 39)	69 (54, 83)
EQ-5D self-care at 30 day follow-up	( , ,	, ,	, ,
I have no problems with self-care	81 (58, 92.79)	94 (85.78, 97)	77 (68, 82)
I have some problems bathing or dressing myself	12 (0, 29.99)	2 (0, 7.22)	13 (7.2, 19)
I am unable to bathe or dress myself	7.7 (0, 24.36)	4 (1, 9.3)	9.8 (5.7, 16)
Missing	18 (10, 26)	29 (19, 39)	69 (54, 83)
EQ-5D usual activities at 30 day follow-up	( , ,	, ,	, ,
I have no problems in performing my usual activities	81 (60, 93)	93 (85, 96)	79 (70, 85)
I have some problems in performing my usual activities	12 (3.4, 31.69)	3 (0.9, 8.5)	14 (8.4, 20)
I am unable to perform my usual activities	7.7 (0, 24.36)	4 (1, 9.3)	7.5 (3.8, 14)
Missing	18 (10, 26)	29 (19, 39)	69 (54, 83)
EQ-5D pain/discomfort at 30 day follow-up	- ( - / - /	- ( - , ,	(- ,)
I have no pain or discomfort	77 (57, 91)	82 (73, 88)	78 (69, 84)
I have moderate pain or discomfort	23 (7.7, 42)	17 (9.3, 24)	20 (13, 26)
I have extreme pain or discomfort	· / /	1 (0, 4.3)	1.5 (0, 5.1)
Missing	18 (10, 26)	29 (19, 39)	69 (54, 83)
EQ-5D anxiety/depression at 30 day follow-up	- ( - / - /	- ( - , ,	(- ,,
I am not anxious or depressed	88 (65, 96)	92 (84, 95)	95 (88, 97)
I am moderately anxious or depressed	12 (3.4, 31.69)	6.9(2.9, 14)	3.8 (1.5, 9)
I am extremely anxious or depressed	, , ,	1(0, 4.3)	0.8(0, 4.3)
Missing	18 (10, 26)	29 (19, 39)	69 (54, 83)
Patient satisfaction	( , ,	, ,	( , ,
Very satisfied	74 (57, 86.02)	85 (77, 90)	69 (60, 74)
Somewhat satisfied	21 (8.8, 34)	9.9 (5, 16)	16 (10, 20)
Somewhat dissatisfied	2.6(0, 13)	$1.7 \ (0, 5.15)$	9 (5.1, 14)
Very dissatisfied	2.6 (0, 12.43)	$3.3\ (0.8,\ 7.71)$	5.1 (2.3, 9.06)
Missing	6 (2, 11)	9 (3, 15)	25 (15, 34)
Number of hospitalizations for this injury	( , ,	( ) /	, ,
Missing	13 (7, 20)	19 (11, 27)	36 (25, 47)
EQ-5D health state at discharge	60 (50, 60)	80 (79, 79)	50 (4, 50)
Missing	15 (8, 23)	35 (25, 47)	58 (44, 72)
EQ-5D health state at 30 day follow-up	88 (80, 100)	100 (99, 99)	80 (9, 90)
Missing	18 (10, 26)	32 (22, 44)	75 (59, 90)
Cost of treatment	5000 (0, 14000)	2000 (1040.14, 2499)	3000 (1000, 8000)
Missing	35 (24, 48)	39 (29, 51.46)	113 (96, 130)
	. , ,	. , ,	

#### Outcomes in all patients before training, by treatment arm

Outcome	ATLS, $N = 16$	PTC,N=57	Standard care, $N=41$
30 day mortality			
Yes		10 (2.32, 20)	2.6(0, 14.5)
No		90 (78.57, 96)	97 (81, 100)
Missing	2(0,5)	8 (3, 14)	3(0,7)
24 hour mortality	* * *		
Yes			2.4 (0, 11.05)
No			98 (88, 100)
Missing	2(0,5)	5 (1, 9)	, ,
In-hospital mortality		. , ,	
Yes		7 (1.9, 16)	4.9(0,17)
No		93 (81.7, 97)	95 (81, 98)
Missing		, , ,	, ,
Self-ambulatory at discharge			
Yes	92 (55.29, 100)	96 (84, 98)	95 (78.8, 100)
No	8.3 (0, 42.23)	4.1 (0, 13.82)	5.1 (0, 17)
Missing	4 (1, 8)	8 (3, 13.13)	2(0,5)
Return to work		, , ,	,
Yes	83 (0, 100)	74 (58, 85)	41 (23, 58)
No	17(0, 70.86)	\ ' '	59 (37.73, 75)
Missing	10 (4, 16)	15 (8, 22)	12 (6, 19)
Pulmonary complication	( )	. , ,	, ,
Yes		2.2 (0, 11.73)	

No		98 (88, 100)	
Missing	6 (2, 11)	11 (5, 18)	2(0,5)
Septic complication			
Yes		4.4 (0, 14)	2.5 (0, 16.45)
No	0 (0 11)	96 (85.26, 100)	98 (83, 100)
Missing	6(2, 11)	12 (6, 19)	1(0,3)
Renal failure Yes			
No			
Missing	5 (1, 10)	11 (5, 18)	1 (0, 3)
Coagulopathy	0 (-, -0)	(*, -*)	- (0, 0)
Yes			
No			
Missing	6(2, 11)	12 (6, 19)	1(0,3)
Need for reexploration or resurgery		0.4 (0.44.00)	
Yes		2.1 (0, 11.23)	
No Missing	4 (1 8)	98 (86, 100)	1 (0.3)
Missing Failure of conservative management	4 (1, 8)	10 (4, 16)	$1\ (0,\ 3)$
No		98 (85, 100)	
Yes		2.2 (0, 14.13)	
Missing	10 (4, 16)	11 (5, 17)	2(0,5)
EQ-5D mobility at discharge			
I have no problems in walking	67 (30.53, 89)	83 (66.74, 92)	62(44,75)
I have some problems in walking	$8.3 \ (0, 36.88)$	12 (2.6, 24)	18 (7.1, 31.39)
I am confined to bed	25 (0, 56)	4.9 (0, 16.18)	21 (9.3, 35)
Missing	4 (1, 8)	16 (8, 24)	2(0,5)
EQ-5D self-care at discharge I have no problems with self-care	58 (25, 87.2)	80 (64, 90)	59 (41, 73.74)
I have some problems bathing or dressing myself	17 (0, 50)	12 (2.97, 24)	15 (4.97, 27.42)
I am unable to bathe or dress myself	25 (0, 56)	7.3 (2.2, 20)	26 (13, 40)
Missing	4 (1, 8)	16 (8, 24)	2 (0, 5)
EQ-5D usual activities at discharge			,
I have no problems in performing my usual activities	50 (17, 75)	76 (61, 87)	54 (38, 69)
I have some problems in performing my usual activities	25 (0, 54.17)	15 (5.7, 28)	28 (14, 42)
I am unable to perform my usual activities	25 (0, 56)	9.8 (2.7, 23)	18 (7.1, 32)
Missing	4 (1, 8)	16 (8, 24)	2(0,5)
EQ-5D pain/discomfort at discharge I have no pain or discomfort	33 (8.3, 63)	34 (20, 50)	33 (19, 48.33)
I have moderate pain or discomfort	67 (30.09, 89)	63 (44.05, 76)	41 (24, 56)
I have extreme pain or discomfort	01 (00.00, 00)	2.4 (0, 13)	26 (14, 40.01)
Missing	4 (1, 8)	16 (8, 24)	2 (0, 5)
EQ-5D anxiety/depression at discharge			,
I am not anxious or depressed	50 (17, 75)	73 (57, 85)	79 (62.02, 89)
I am moderately anxious or depressed	50 (14, 75)	$24\ (11,\ 38)$	$18 \ (6.97, \ 32)$
I am extremely anxious or depressed	4 (1 0)	2.4 (0, 13)	2.6 (0, 14)
Missing FO 5D mobility at 20 day follow up	4 (1, 8)	16 (8, 24)	2(0,5)
EQ-5D mobility at 30 day follow-up I have no problems in walking	67 (0, 100)	91 (77.53, 97)	65 (46.25, 81)
I have some problems in walking	17 (0, 70.43)	7 (2.02, 19)	13 (3.12, 27)
I am confined to bed	17 (0, 70.86)	2.3 (0, 13.05)	23 (9.02, 39)
Missing	10 (4, 16)	14 (7, 21)	10 (4, 17)
EQ-5D self-care at 30 day follow-up			
I have no problems with self-care	83 (0.05, 100)	$91\ (79.35,\ 97)$	71 (53, 85)
I have some problems bathing or dressing myself	17 (0, 70.43)	4.7 (0, 16)	6.5 (0, 31.44)
I am unable to bathe or dress myself	10 (4 10)	4.7 (0, 15.32)	23 (11, 40)
Missing EQ-5D usual activities at 30 day follow-up	10 (4, 16)	14 (7, 21)	10 (4, 17)
I have no problems in performing my usual activities		91 (79.35, 97)	71 (52.15, 85)
I have some problems in performing my usual activities		4.7 (0, 16)	19 (6.7, 35)
I am unable to perform my usual activities		4.7 (0, 15.32)	9.7 (2.46, 25.76)
Missing	10 (4, 16)	14 (7, 21)	10 (4, 17)
EQ-5D pain/discomfort at 30 day follow-up			
I have no pain or discomfort	67 (0, 100)	77 (61.95, 88)	74 (52.26, 85)
I have moderate pain or discomfort	33 (0, 75)	21 (8.6, 33)	26 (12, 44.69)
I have extreme pain or discomfort	10 (4 10)	2.3 (0, 12.93)	10 (4 15)
Missing FO 5D anxiety/depression at 30 day follow up	10 (4, 16)	14 (7, 21)	10 (4, 17)
EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed		86 (71.41, 94)	97 (81, 100)
I am moderately anxious or depressed		12 (2.9, 24.57)	3.2 (0, 18.59)
I am extremely anxious or depressed		2.3 (0, 12.93)	(-,)
Missing	10 (4, 16)	14 (7, 21)	10 (4, 17)

Patient satisfaction			
Very satisfied	64 (33.23, 87)	73 (60, 83)	67 (49, 79)
Somewhat satisfied	36 (11, 63)	16 (6.66, 27)	23 (11, 35.02)
Somewhat dissatisfied		3.9(0,13)	7.7(2.2, 21)
Very dissatisfied		7.8(2.1, 18.06)	2.6(0,17)
Missing	2(0,5)	6 (2, 11)	2(0,5)
Number of hospitalizations for this injury			
Missing	10 (4, 16)	8 (3, 14)	2(0,5)
EQ-5D health state at discharge	60 (40, 81.8)	80 (60, 80)	50 (3, 80)
Missing	5 (1, 10)	16 (8, 24)	10 (4, 17)
EQ-5D health state at 30 day follow-up	100 (55, 100)	100 (90, 100)	10 (8, 100)
Missing	10(4, 16)	15 (8.11, 23)	14 (8, 22)
Cost of treatment	7000 (0, 14000)	2025 (600, 6000)	14000 (500, 35000)
Missing	14 (7, 22)	18 (11, 26)	$23\ (14.12,\ 33)$

#### Outcomes in all patients after training, by treatment arm

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 161$
30 day mortality			
Yes	3.8 (0, 20.98)	4.9(0, 13)	16 (9.28, 21)
No	96 (78, 100)	95 (84, 98)	84 (77, 89)
Missing	2 (0, 5)	12 (6, 19)	26 (17, 36)
24 hour mortality	( , ,	( / /	, ,
Yes			
No			
Missing	2 (0, 5)	8 (3, 14)	7 (3, 12)
In-hospital mortality	= (0, 0)	0 (0, 11)	. (0, 12)
Yes	3.7 (0, 20.68)	4.1 (0, 11)	12 (6.43, 16)
No	96 (79, 100)	96 (87.42, 99)	88 (81, 91)
Missing	1 (0, 3)	00 (01.12, 00)	2(0,5)
Self-ambulatory at discharge	1 (0, 5)		2 (0, 0)
Yes		97 (86, 99)	99 (94, 100)
No No		2.9 (0, 9.08)	1.5 (0, 5.59)
	4 (1 0)	`.''	. ` ' '.
Missing	4 (1, 8)	3(0,7)	$24 \ (14,\ 32.64)$
Return to work	TO (22, 70)	70 (55 00)	F9 (49 C1 OC)
Yes	58 (33, 78)	70 (55, 80)	53 (43, 61.06)
No	42 (21, 66.95)	30 (18, 42.29)	47 (36, 56)
Missing	9 (4, 15)	16 (9, 24)	56 (43, 69.34)
Pulmonary complication			
Yes			
No			
Missing	5(1, 9)	10 (5, 17)	$33\ (22,\ 43)$
Septic complication			
Yes		3.2(0,11)	0.8 (0, 4)
No		97 (88, 100)	99 (96, 99)
Missing	5 (1, 9)	10(5, 17)	33(22,43)
Renal failure			
Yes			
No			
Missing	5 (1, 9)	10 (5, 17)	32 (21, 42)
Coagulopathy	. , ,	. , ,	, ,
Yes	4.3 (0, 22.71)		
No	96 (77, 100)		
Missing	5 (1, 9)	10 (5, 17)	32 (21, 42)
Need for reexploration or resurgery	- (-, -)	(-,)	J= (,)
Yes		1.6 (0, 9.21)	2.5(0,7)
No		98 (90, 100)	97 (92, 98)
Missing	6 (2, 11)	10 (5, 17)	42 (30.18, 54)
Failure of conservative management	0 (2, 11)	10 (5, 17)	42 (30.16, 54)
No	92 (71, 100)	98 (90, 100)	98 (93, 99)
Yes	( , ,	( / /	. , ,
Missing	8 (0, 24.44)	1.6 (0, 7.99)	1.7 (0, 5.8)
3	3(0, 6)	12 (6, 19.14)	44 (32, 56)
EQ-5D mobility at discharge	90 (60 100)	00 (00 1 07)	69 (59 50)
I have no problems in walking	89 (60, 100)	92 (80.1, 97)	62 (52, 70)
I have some problems in walking	$11\ (0,\ 33)$	5 (1.5, 13.83)	19 (12, 27)
I am confined to bed		3.3 (0, 11)	19 (11, 26)
Missing	10 (4, 17)	13 (6, 21)	43 (30.04, 54)
EQ-5D self-care at discharge			
I have no problems with self-care	67 (34.68, 87)	85 (72, 92)	50 (40, 58)

I have some problems bathing or dressing myself	11 (0, 33.5)	$8.3\ (2.56,\ 17.71)$	31 (22, 39)
I am unable to bathe or dress myself	22 (4.52, 44)	6.7 (1.76, 16)	19 (11, 25)
Missing	10 (4, 17)	13 (6, 21)	43 (30.04, 54)
EQ-5D usual activities at discharge			
I have no problems in performing my usual activities	61 (33, 82.01)	85 (72, 92)	47 (38, 56)
I have some problems in performing my usual activities	22 (5.6, 50)	$8.3\ (2.56,\ 17.71)$	38 (28, 45)
I am unable to perform my usual activities	17(0, 39.02)	6.7 (1.76, 16)	15 (8.29, 21)
Missing	10 (4, 17)	13 (6, 21)	43 (30.04, 54)
EQ-5D pain/discomfort at discharge			
I have no pain or discomfort	50 (25, 71)	65 (52, 76)	$25 \ (16.01,\ 32)$
I have moderate pain or discomfort	50(22,69)	30 (18, 41)	35 (27, 44)
I have extreme pain or discomfort		5 (1.5, 14)	40 (31, 48)
Missing	10 (4, 17)	13 (6, 21)	43 (30.04, 54)
EQ-5D anxiety/depression at discharge			
I am not anxious or depressed	83 (57, 95.75)	95 (84.84, 98)	92 (85, 96)
I am moderately anxious or depressed	17 (0, 41)	5 (0.6, 13)	6.8 (3.4, 13)
I am extremely anxious or depressed			1.7 (0, 5.3)
Missing	10 (4, 17)	13 (6, 21)	43 (30.04, 54)
EQ-5D mobility at 30 day follow-up	()	()	(
I have no problems in walking	80 (53, 93.32)	98 (90, 100)	77 (67, 83.81)
I have some problems in walking	20 (5.9, 44)	/	17 (9.4, 24)
I am confined to bed	- ( 1)	1.7 (0, 8.79)	5.9 (2.1, 12)
Missing	8(3, 14)	15 (8, 23)	59 (46, 72.14)
EQ-5D self-care at 30 day follow-up	00 (50 04)	07 (00 100)	70 (00 15 05)
I have no problems with self-care	80 (56, 94)	97 (88, 100)	79 (68.15, 85)
I have some problems bathing or dressing myself	10 (0, 31)	0.4 (0.10)	15 (8.23, 23)
I am unable to bathe or dress myself	10 (0, 31.74)	$3.4\ (0,\ 12)$	5.9 (2.13, 12)
Missing	8 (3, 14)	15 (8, 23)	59 (46, 72.14)
EQ-5D usual activities at 30 day follow-up	75 (50, 01)	05 (02 7 00)	91 (70, 97)
I have no problems in performing my usual activities	75 (50, 91)	95 (83.7, 98)	81 (70, 87)
I have some problems in performing my usual activities	15 (4.2, 38)	1.7 (0, 7.68)	12 (6.3, 19)
I am unable to perform my usual activities	10 (0, 31.74)	3.4 (0, 12)	6.9 (2.9, 13)
Missing	8 (3, 14)	15 (8, 23)	59 (46, 72.14)
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort	80 (56.42, 94)	86 (73, 93)	79 (69, 85)
I have no pain of discomfort  I have moderate pain or discomfort	20 (5.3, 41.4)	14 (5.3, 23.93)	19 (11, 27)
I have extreme pain or discomfort	20 (0.0, 41.4)	14 (0.0, 20.00)	2 (0, 8.07)
Missing	8 (3, 14)	15 (8, 23)	59 (46, 72.14)
EQ-5D anxiety/depression at 30 day follow-up	0 (0, 11)	10 (0, 20)	00 (10, 12.11)
I am not anxious or depressed	85 (60.19, 95)	97 (88.33, 100)	95 (87, 97)
I am moderately anxious or depressed	15 (4.2, 38)	3.4 (0, 11)	3.9 (1, 9.9)
I am extremely anxious or depressed	10 (112, 00)	0.1 (0, 11)	1 (0, 4.95)
Missing	8 (3, 14)	15 (8, 23)	59 (46, 72.14)
Patient satisfaction	0 (0,)	(-,)	(-0, 1-1-1)
Very satisfied	79 (57, 93)	94 (83, 97)	70 (61, 76)
Somewhat satisfied	13 (3.29, 32)	5.7 (1.5, 13)	14 (8.04, 19)
Somewhat dissatisfied	4.2 (0, 20.59)	( -, -,	9.4 (5.58, 16)
Very dissatisfied	4.2 (0, 20.74)		5.8 (2.2, 10)
Missing	4 (1, 8)	3(0,7)	23 (13, 31)
Number of hospitalizations for this injury	. , ,	( , ,	, ,
Missing	3 (0, 6)	11 (5, 18)	34 (23.34, 46)
EQ-5D health state at discharge	65 (50, 80)	90 (80, 90)	50 (4, 50)
Missing	10 (4, 17)	19 (11, 28)	48 (35, 61)
EQ-5D health state at 30 day follow-up	83 (70, 100)		83 (10, 100)
Missing	8 (3, 14)	17 (9, 25.63)	61 (47, 74)
Cost of treatment	5000 (0, 15000)	1500 (250, 1600)	2500 (1000, 8000)
Missing	21 (12, 30)	21 (12.87, 30)	90 (74, 106)

#### Absolute change from baseline for all outcomes, comparing the period after training with the period before training, by treatment arms

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 161$
30 day mortality			
Yes	3.8 (0, 20.98)	-5.1 (-16.57, 4.76)	13.4 (3, 20)
No	-4 (-22, 0)	5 (-6, 14)	-13 (-20, -3)
Missing	0 (-4.9, 3)	4 (-5, 12)	23 (14, 34)
24 hour mortality	, , ,	• • •	
Yes			-2.4 (-12, 0)

No			2 (0, 7)
Missing	0 (-4.9, 3)	3 (-4, 10)	7 (3, 12)
In-hospital mortality		, , ,	, , ,
Yes	3.7 (0, 20.68)	-2.9 (-12.79, 4.2)	7.1 (-4, 13.3)
No Missing	-4 (-21, 0) 1 (0, 3)	3 (-5, 11)	-7 (-14, 2) $2 (0, 5)$
Self-ambulatory at discharge	1 (0, 3)		2 (0, 5)
Yes	8 (0, 37)	1 (-6, 8)	4 (-2, 14)
No	-8.3 (-44.67, 0)	-1.2 (-9.5, 4.8)	-3.6 (-14.56, 1.5)
Missing	0 (-7, 4)	-5 (-13.26, 0)	$22\ (12,\ 30)$
Return to work Yes	-25 (-56, 21)	-4 (-24, 12)	12 (-10, 30)
No	25 (-27.41, 55)	4 (-15, 21)	-12 (-35, 7)
Missing	-1 (-11, 6)	1 (-10.1, 11)	44 (29, 58)
Pulmonary complication			
Yes		-2.2 (-12, 0)	
No Missing	-1 (-9, 4)	2 (0, 7) $-1 (-11, 7)$	31 (19, 41)
Septic complication	-1 (-0, 4)	-1 (-11, 1)	01 (10, 41)
Yes		-1.2 (-10.31, 5.5)	-1.7 (-11.72, 1.6)
No		1 (-6, 8.2)	1 (-2, 7)
Missing	-1 (-9, 4)	-2 (-12, 6)	$32\ (21,\ 42)$
Renal failure Yes			
No			
Missing	0 (-7, 5)	-1 (-11, 7)	31 (20, 41)
Coagulopathy			
Yes	4.3 (0, 22.71)		
No Missing	-4 (-23, 0) -1 (-9, 4)	-2 (-12, 5)	31 (20, 41)
Need for reexploration or resurgery	-1 (-0, 4)	-2 (-12, 0)	01 (20, 41)
Yes		-0.5 (-8.44, 3.3)	2.5(0,7)
No	2 ()	0 (-5.44, 4)	-3 (-8, -2)
Missing Failure of conservative management	2(-5, 7)	0 (-9, 8)	41 (29, 54)
No	-8 (-29, 0)	0 (-6.06, 4)	-2 (-7, -1)
Yes	8 (0, 24.45)	-0.6 (-9.45, 3.2)	1.7(0, 5.8)
Missing	-7 (-16.47, -2)	1 (-8, 10)	42 (29, 54)
EQ-5D mobility at discharge	00 ( 10 50)	0 ( 5 00)	0 ( 17, 10.09)
I have no problems in walking I have some problems in walking	22 (-12, 56) 2.7 (-23.17, 20)	9 (-5, 23) -7 (-19.12, 4.99)	0 (-17, 19.83) 1 (-16.13, 14)
I am confined to bed	-25 (-60.74, -7.1)	-1.6 (-11.5, 5.8)	-2 (-22, 10)
Missing	6 (-2, 12)	-3 (-14, 7)	41 (29, 53)
EQ-5D self-care at discharge			
I have no problems with self-care	9 (-31.87, 47.44)	5 (-11, 20)	-9 (-27, 8)
I have some problems bathing or dressing myself I am unable to bathe or dress myself	-6 (-39.79, 15) -3 (-42.58, 26.36)	-3.7 (-16.9, 8.16) -0.6 (-11.51, 10)	16 (0, 29.13) -7 (-25.46, 6)
Missing	6 (-2, 12)	-3 (-14, 7)	41 (29, 53)
EQ-5D usual activities at discharge			
I have no problems in performing my usual activities	11 (-30.58, 46)	9 (-9, 23.11)	-7 (-26, 11)
I have some problems in performing my usual activities I am unable to perform my usual activities	-3 (-37, 28.8) -8 (-43, 21)	-6.7 (-21.53, 4.5) -3.1 (-15.5, 7.7)	10 (-7.49, 26) -3 (-20, 8.18)
Missing	6 (-2, 12)	-3.1 (-13.5, 7.7)	41 (29, 53)
EQ-5D pain/discomfort at discharge	v ( =, -=)	· (, · )	(-0, 00)
I have no pain or discomfort	17 (-23, 51)	31 (9, 47)	-8 (-26.97, 6)
I have moderate pain or discomfort	-17 (-52, 20)	-33 (-52.63, -12)	-6 (-24, 13)
I have extreme pain or discomfort Missing	6 (-2, 12)	2.6 (-4.7, 9.7) -3 (-14, 7)	14 (-6.34, 27) 41 (29, 53)
EQ-5D anxiety/depression at discharge	0 (2, 12)	0 (11, 1)	11 (20, 00)
I am not anxious or depressed	33 (-5.81, 64)	22(7,37)	13(0, 29)
I am moderately anxious or depressed	-33 (-67, 3)	-19 (-35.39, -5.8)	-11.2 (-27.48, 0.4)
I am extremely anxious or depressed Missing	6 (-2, 12)	-2.4 (-17, 0) -3 (-14, 7)	-0.9 (-10.47, 2.5) 41 (29, 53)
EQ-5D mobility at 30 day follow-up	0 (-2, 12)	-5 (-14, 7)	41 (29, 55)
I have no problems in walking	13 (-29.15, 61)	7 (-2, 17)	12 (-9, 30)
I have some problems in walking	3 (-50, 29)	-7 (-19.34, -2.1)	4 (-14, 15)
I am confined to bed	-17 (-100, 0)	-0.6 (-8.96, 3.82)	-17.1 (-36.1, -3.84)
Missing EQ-5D self-care at 30 day follow-up	-2 (-12, 5)	1 (-10, 11)	49 (34, 63)
I have no problems with self-care	-3 (-28.6, 53)	6 (-4, 16)	8 (-11, 26)
I have some problems bathing or dressing myself	-7 (-64.7, 16.07)	-4.7 (-17.2, 0)	8.5 (-5, 18)
I am unable to bathe or dress myself	10 (0, 31.59)	-1.3 (-10.45, 5.7)	-17.1 (-35.9, -4.9)

Missing	-2 (-12, 5)	1 (-10, 11)	49 (34, 63)
EQ-5D usual activities at 30 day follow-up			
I have no problems in performing my usual activities	-25 (-50, -9)	4 (-8, 13)	10 (-8.1, 28.5)
I have some problems in performing my usual activities	15 (4.2, 38)	-3 (-14, 2.1)	-7 (-24.6, 6)
I am unable to perform my usual activities	10 (0, 31.59)	-1.3 (-10.45, 5.7)	-2.8 (-17.58, 6.4)
Missing	-2 (-12, 5)	1 (-10, 11)	49 (34, 63)
EQ-5D pain/discomfort at 30 day follow-up			
I have no pain or discomfort	13 (-30, 62)	9 (-8, 23)	5 (-10, 23)
I have moderate pain or discomfort	-13 (-65, 28)	-7 (-23.4, 8)	-7 (-27, 7)
I have extreme pain or discomfort		-2.3 (-16, 0)	2(0, 8.07)
Missing	-2 (-12, 5)	1 (-10, 11)	49 (34, 63)
EQ-5D anxiety/depression at 30 day follow-up			
I am not anxious or depressed	-15 (-39.72, -5)	11 (0, 24)	-2 (-8, 8)
I am moderately anxious or depressed	15 (4.2, 38)	-8.6 (-22, 1.02)	0.7 (-13.46, 5.3)
I am extremely anxious or depressed		-2.3 (-16, 0)	1(0, 4.95)
Missing	-2 (-12, 5)	1 (-10, 11)	49 (34, 63)
Patient satisfaction			
Very satisfied	15 (-15, 45)	21 (8, 32)	3 (-14, 19)
Somewhat satisfied	-23 (-54, 4)	-10.3 (-22.87, 0)	-9 (-25.8, 3)
Somewhat dissatisfied	4.2 (0, 20.59)	-3.9 (-13, 0)	1.7 (-11.7, 9.2)
Very dissatisfied	4.2 (0, 20.74)	-7.8 (-20, -2.28)	3.2 (-8, 7.6)
Missing	2 (-3, 6)	-3 (-10, 2)	21 (11, 30)
Number of hospitalizations for this injury	0 (-1, 0)		
Missing	-7 (-16.47, -2)	3 (-6, 12)	32 (21, 44)
EQ-5D health state at discharge	5 (-30, 30)	10 (-10, 10)	0 (-68.09, 55)
Missing	5 (-3.48, 11)	3 (-9, 14)	38 (22, 52)
EQ-5D health state at 30 day follow-up	-17 (-33.16, 20)		73 (-13, 92)
Missing	-2 (-12, 5)	2 (-10, 12)	47 (30, 61.57)
Cost of treatment	-2000 (-14000, 13000)	-525 (-4922.65, 1000)	-11500 (-49000, 2250)
Missing	7 (-7, 17)	3 (-10, 14)	67 (45.64, 86)

#### Relative change from baseline for all outcomes, comparing the period after training with the period before training, by treatment arms

Outcome	ATLS, $N = 28$	PTC, $N = 73$	Standard care, $N = 161$
30 day mortality			
Yes		0.49(0, 2.31)	6.15 (2.62, 10.91)
No	0.96 (0.78, 1)	$1.06 \ (0.95, 1.2)$	0.87 (0.8, 0.97)
Missing	1(0, 4)	1.5 (0.56, 4)	8.67 (2.89, 27.17)
24 hour mortality	· · · /	, , ,	,
Yes			
No			1.02 (1, 1.08)
Missing	1 (0, 4)	1.6(0.5, 6)	· · · · · · · · · · · · · · · · · · ·
In-hospital mortality	· · · /	, , ,	
Yes		0.59(0, 2.89)	2.45 (0.77, 6.19)
No	0.96(0.79, 1)	1.03 (0.95, 1.15)	0.93 (0.86, 1.03)
Missing	, ,	, , ,	, , ,
Self-ambulatory at discharge			
Yes	1.09 (1, 1.59)	1.01 (0.95, 1.1)	1.04 (0.98, 1.17)
No	( ) /	0.71(0,4)	0.29 (0, 1.52)
Missing	1 (0, 3.5)	0.38 (0, 1.57)	12 (3.73, 29)
Return to work	, ,	( ) ,	, ,
Yes	0.7 (0.41, 1.42)	0.95(0.73, 1.2)	1.29 (0.85, 2.24)
No	2.47 (1.11, 7.14)	1.15 (0.61, 2.48)	0.8 (0.55, 1.2)
Missing	$0.9\ (0.29,\ 2.25)$	1.07 (0.5, 2.25)	4.67(2.52, 9)
Pulmonary complication	, , ,	, , ,	, , ,
Yes			
No		1.02 (1, 1.08)	
Missing	0.83 (0.14, 2.67)	$0.91 \ (0.36, \ 2.5)$	16.5 (5.11, 39)
Septic complication	,	, , ,	,
Yes		0.73(0, 3.81)	0.32(0, 1.62)
No		1.01 (0.94, 1.1)	1.01 (0.98, 1.08)
Missing	0.83 (0.14, 2.67)	0.83(0.33, 2)	33 (12.33, 44.32)
Renal failure	, , ,	` ' '	, , ,
Yes			
No			
Missing	1 (0.11, 3)	$0.91\ (0.36,\ 2.5)$	32 (11.5, 42)
Coagulopathy	` ' '	` ' '	` ' '

Yes			
No	$0.96 \ (0.77, \ 1)$		
Missing	$0.83 \ (0.14, \ 2.67)$	$0.83 \ (0.33, \ 2.07)$	32 (11.5, 42)
Need for reexploration or resurgery Yes		0.76 (0.4.47)	
No		0.76 (0, 4.47) 1 $(0.95, 1.04)$	0.97 (0.92, 0.98)
Missing	1.5 (0.26, 6)	1 (0.36, 2.5)	42 (16.32, 55.43)
Failure of conservative management	- (, -,	(, -,	( , ,
No	0.92 (0.71, 1)	1 (0.94, 1.04)	$0.98 \ (0.93, \ 0.99)$
Yes		0.73 (0, 4.65)	
Missing	0.3 (0, 1.21)	$1.09 \ (0.47, \ 2.6)$	22 (6.82, 51)
EQ-5D mobility at discharge	1 22 (0 00 0 47)	1 11 (0 06 1 99)	1 (0.77 1.49)
I have no problems in walking I have some problems in walking	1.33 (0.88, 2.47) 1.33 (0.27, 5.5)	1.11 (0.96, 1.33) 0.42 (0, 2.49)	1 (0.77, 1.42) 1.06 (0.48, 3.01)
I am confined to bed	1.55 (0.21, 5.5)	0.67 (0, 4.06)	0.9 (0.42, 1.87)
Missing	2.5 (0.62, 8)	0.81 (0.37, 1.85)	21.5 (7.3, 50)
EQ-5D self-care at discharge			
I have no problems with self-care	$1.16 \ (0.63, \ 2.62)$	$1.06 \ (0.88, 1.31)$	$0.85 \ (0.62, \ 1.22)$
I have some problems bathing or dressing myself	0.65 (0, 3.36)	0.69 (0.14, 2.77)	2.07(1, 6.19)
I am unable to bathe or dress myself	0.88 (0.09, 3.72)	0.92 (0.18, 4.6)	0.73 (0.37, 1.38)
Missing EQ-5D usual activities at discharge	$2.5 \ (0.62, \ 8)$	$0.81\ (0.37,\ 1.85)$	21.5 (7.3, 50)
I have no problems in performing my usual activities	1.22 (0.58, 2.89)	1.12 (0.93, 1.37)	0.87 (0.63, 1.31)
I have some problems in performing my usual activities	0.88 (0.17, 3.75)	0.55 (0.11, 1.75)	1.36 (0.86, 2.72)
I am unable to perform my usual activities	0.68 (0, 3.3)	$0.68\ (0.12,\ 3.59)$	0.83 (0.38, 2.01)
Missing	2.5 (0.62, 8)	$0.81\ (0.37,\ 1.85)$	21.5 (7.3, 50)
EQ-5D pain/discomfort at discharge	()	/	/ )
I have no pain or discomfort	1.52 (0.6, 4.73)	1.91 (1.2, 3.22)	0.76 (0.45, 1.36)
I have moderate pain or discomfort I have extreme pain or discomfort	$0.75 \ (0.35, 1.49)$	0.48 (0.28, 0.77)	0.85 (0.57, 1.54) 1.54 (0.87, 2.73)
Missing	2.5 (0.62, 8)	2.08 (0.65, 6.54) 0.81 (0.37, 1.85)	21.5 (7.3, 50)
EQ-5D anxiety/depression at discharge	2.0 (0.02, 0)	0.01 (0.51, 1.05)	21.0 (1.0, 00)
I am not anxious or depressed	1.66 (0.94, 3.8)	1.3 (1.1, 1.65)	1.16 (1.01, 1.51)
I am moderately anxious or depressed	0.34 (0, 1.29)	$0.21 \ (0, \ 0.75)$	0.38 (0.13, 1.23)
I am extremely anxious or depressed			$0.65 \ (0.14, \ 2.38)$
Missing	2.5 (0.62, 8)	$0.81 \ (0.37, \ 1.85)$	21.5 (7.3, 50)
EQ-5D mobility at 30 day follow-up	1 10 (0 7 3 16)	1.08 (0.00, 1.22)	1 18 (0 0 1 69)
I have no problems in walking I have some problems in walking	1.19 (0.7, 3.16) 1.18 (0.42, 4)	1.08 (0.99, 1.22)	1.18 (0.9, 1.62) 1.31 (0.5, 4.52)
I am confined to bed	1.10 (0.12, 1)	0.74 (0, 4.24)	0.26 (0.07, 0.87)
Missing	0.8 (0.23, 2)	$1.07 \ (0.5, \ 2.25)$	5.9 (3.16, 12.8)
EQ-5D self-care at 30 day follow-up			
I have no problems with self-care	$0.96 \ (0.71, \ 2.58)$	$1.07 \ (0.97, \ 1.21)$	1.11 (0.89, 1.47)
I have some problems bathing or dressing myself	$0.59 \ (0.12, \ 3.12)$	0.70 (0.4)	2.31 (0.72, 6.54)
I am unable to bathe or dress myself	0.0 (0.00.0)	0.72 (0, 4)	0.26 (0.08, 0.77)
Missing EQ-5D usual activities at 30 day follow-up	$0.8 \ (0.23, \ 2)$	$1.07 \ (0.5, \ 2.25)$	5.9 (3.16, 12.8)
I have no problems in performing my usual activities	0.75 (0.5, 0.91)	1.04 (0.93, 1.18)	1.14 (0.91, 1.53)
I have some problems in performing my usual activities	( , ,	0.36 (0, 3.19)	0.63 (0.28, 1.97)
I am unable to perform my usual activities		0.72(0,4)	0.71 (0.17, 2.61)
Missing	$0.8 \ (0.23, \ 2)$	$1.07 \ (0.5, \ 2.25)$	5.9 (3.16, 12.8)
EQ-5D pain/discomfort at 30 day follow-up	4.40 (0.74.0.00)	4.40 (0.00 4.00)	1.05 (0.00 1.10)
I have no pain or discomfort	1.19 (0.71, 3.32)	1.12 (0.92, 1.37)	1.07 (0.89, 1.42)
I have moderate pain or discomfort I have extreme pain or discomfort	$0.61 \ (0.16, \ 2.41)$	$0.67 \ (0.23, \ 1.91)$	0.73 (0.34, 1.53)
Missing	0.8 (0.23, 2)	1.07 (0.5, 2.25)	5.9 (3.16, 12.8)
EQ-5D anxiety/depression at 30 day follow-up	(, ,	(, -,	- (, -,
I am not anxious or depressed	$0.85 \ (0.6, \ 0.95)$	$1.13\ (1.02,\ 1.35)$	$0.98 \ (0.92, \ 1.09)$
I am moderately anxious or depressed		$0.28 \ (0,\ 1.71)$	$1.22 \ (0.37, \ 3.33)$
I am extremely anxious or depressed	0.0.(0.00.0)	1.07 (0.5.0.05)	FO (9.16, 10.0)
Missing Patient satisfaction	$0.8 \ (0.23, \ 2)$	$1.07 \ (0.5, \ 2.25)$	5.9 (3.16, 12.8)
Very satisfied	1.23 (0.84, 2.13)	1.29 (1.09, 1.52)	1.04 (0.83, 1.36)
Somewhat satisfied	0.36 (0, 1.64)	0.36 (0.07, 1.12)	0.61 (0.29, 1.23)
Somewhat dissatisfied	(-,)	( //	1.22 (0.38, 3.91)
Very dissatisfied			2.23 (0.78, 4.78)
Missing	2(0.19, 7)	0.5(0, 2)	11.5 (3.67, 28)
Number of hospitalizations for this injury	0.9 (0. 1.01)	1 20 (0 5 2 64)	17 (5 99 41)
Missing EQ-5D health state at discharge	0.3 (0, 1.21) 1.08 (0.67, 1.75)	1.38 (0.5, 3.64) 1.12 (0.89, 1.12)	17 (5.33, 41) 1 (0.08, 15)
Missing	2 (0.5, 6)	1.12 (0.69, 1.12)	4.8 (2.38, 11)
EQ-5D health state at 30 day follow-up	0.83 (0.67, 1.33)	(0.0, 2.10)	8.3 (0.74, 11.14)
	(//		( , , , , , , , , , , , , , , , , , , ,

Missing	0.8 (0.23, 2)	1.13 (0.53, 2.27)	4.36 (2.43, 7.75)
Cost of treatment	$0.71\ (0.14,\ 5)$	$0.74\ (0.2,\ 2.69)$	$0.18\ (0.04,\ 4)$
Missing	1.5 (0.66, 2.75)	1.17 (0.6, 2.22)	3.91 (2.37, 6.04)

#### Absolute and relative differences in outcomes after training, comparing standard care with $\operatorname{ATLS}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	12.2 (-8.05, 23.3)	4.21 (1.36, 15.71)
No	-12 (-23, 6)	0.88 (0.75, 1.1)
Missing	24 (15.57, 39)	13 (5.33, 40)
24 hour mortality		, ,
Yes		
No		
Missing	5 (0, 13)	3.5 (1.6, 14)
In-hospital mortality		
Yes	8.3 (-5.9, 18)	$3.24 \ (0.63, \ 13.64)$
No	-8 (-18, 5)	0.92 (0.82, 1.07)
Missing	1 (-3.52, 5)	2(0.5, 5)
Self-ambulatory at discharge	1 (0.0)	0.00 (0.00 1.00)
Yes	-1 (-9, 2)	$0.99 \ (0.93, 1.03)$
No Minning	1.5 (-2.2, 8.92)	c (0.1.22)
Missing  Pature to work	20 (-23, 35)	6 (0.1, 33)
Return to work Yes	E ( 20, 20)	0.01 (0.6. 1.64)
No	-5 (-30, 29) 5 (-30, 30)	0.91 (0.6, 1.64) 1.12 (0.44, 2.41)
Missing	47 (30, 63)	6.22 (4.55, 53)
Pulmonary complication	41 (50, 65)	0.22 (4.00, 00)
Yes		
No		
Missing	28 (5, 49)	6.6 (4.33, 43)
Septic complication	- (-, -,	(, -)
Yes	0.8 (-4.5, 8.26)	
No	-1 (-11, 2)	0.99 (0.9, 1.03)
Missing	28 (1, 50)	6.6 (4.25, 43)
Renal failure		
Yes		
No		
Missing	27(4,48)	$6.4\ (4.11,\ 42)$
Coagulopathy		
Yes	-4.3 (-16, 0)	
No	4 (0, 16)	1.04 (1, 1.19)
Missing	27 (4, 48)	6.4 (4.11, 42)
Need for reexploration or resurgery	0.5 (0.7.8)	
Yes	2.5 (0, 7.8)	0.07 (0.00, 0.00)
No Missing	-3 (-8, -2)	$0.97 \ (0.92, \ 0.98)$
Missing Failure of conservative management	36 (-3.47, 56)	7 (4.22, 48)
No	6 (2, 26)	1.07 (1.02, 1.36)
Yes	-6.3 (-26, -2.4)	0.21 (0, 2.28)
Missing	41 (30, 56)	14.67 (8.42, 55)
EQ-5D mobility at discharge	11 (00, 00)	11101 (0.12, 00)
I have no problems in walking	-27 (-44, 31)	0.7 (0.55, 1.52)
I have some problems in walking	8 (-18.1, 23.91)	1.73 (0.08, 12.79)
I am confined to bed	19 (1.6, 30)	(= ==, ==,
Missing	33 (-23, 50)	4.3 (2.38, 20.5)
EQ-5D self-care at discharge	, ,	, , ,
I have no problems with self-care	-17 (-46.52, 43)	0.75 (0.48, 1.93)
I have some problems bathing or dressing myself	20 (-24.9, 36.87)	$2.82\ (0.2,\ 20.26)$
I am unable to bathe or dress myself	-3 (-26.15, 19.7)	$0.86 \ (0.07, 7.29)$
Missing	33 (-23, 50)	4.3 (2.38, 20.5)
EQ-5D usual activities at discharge		
I have no problems in performing my usual activities	-14 (-49, 47)	$0.77 \ (0.45, \ 2.14)$
I have some problems in performing my usual activities	16 (-36.56, 39.71)	$1.73 \ (0.1, \ 12.04)$
I am unable to perform my usual activities	-2 (-24.06, 14.32)	$0.88 \ (0, 5.17)$
Missing	33 (-23, 50)	$4.3 \ (2.38, \ 20.5)$
EQ-5D pain/discomfort at discharge		

Thave moderate pain or discomfort	I have no pain or discomfort	-25 (-52, 49)	0.5 (0.25, 3.07)
I have extreme pain or discomfort   40 (29.7, 55)   Missing   33 (-23.5, 50)   4.3 (2.38, 20.5)	•		
Missing			0.1 (0.20, 1.00)
EQ-5D amxiety/depression at discharge   I am not anxious or depressed   9 (2, 36)   .111 (1.03, 1.68)   1 am moderately anxious or depressed   -10.2 (-39.9, -3.9)   .0.4 (0, 1.24)   1 am extremely anxious or depressed   1.7 (-1.5, 6.4)   Missing   33 (-23.50)   4.3 (2.38, 20.5)	•	, , ,	4 3 (2 38 20 5)
I am not anxious or depressed   9 (2, 36)   1.11 (1.03, 1.68)     I am moderately anxious or depressed   1.02 (-39.9, -3.9)   0.4 (0, 1.24)     I am extremely anxious or depressed   1.7 (-1.5, 6.4)     Missing   33 (-23, 50)   4.3 (2.38, 20.5)     I have no problems in walking   -3 (-28, 30)   0.96 (0.71, 1.43)     I have no problems in walking   -3 (-29, 22)   0.85 (0, 5.21)     I am confined to bed   5.9 (0.97, 15)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   -1 (-25, 27)   0.99 (0.74, 1.39)     I have some problems bathing or dressing myself   5 (-20, 22)   1.5 (0.83, 4.17)     I am unable to bathe or dress myself   -4.1 (-29, 1.5)   0.59 (0, 2.6)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   -4.1 (-29, 1.5)   0.59 (0, 2.6)     Missing   5 (-20, 22)   1.5 (0.83, 4.17)     I have some problems in performing my usual activities   -5 (-20, 22)   1.5 (0.83, 4.17)     I have some problems in performing my usual activities   -6 (-21, 31)   1.08 (0.79, 1.58)     I am unable to perform my usual activities   -3 (-20.77, 16.16)   0.8 (0, 11.66)     I am unable to perform my usual activities   -1 (-18, 17)   0.99 (0.8, 1.24)     I have moderate pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)     I have moderate pain or discomfort   -1 (-20, 13)   0.95 (0.25, 2.7)     I have extreme pain or discomfort   -1 (-20, 13)   0.95 (0.25, 2.7)     I have extreme pain or depressed   10 (3, 36)   1.12 (1.03, 1.58)     I am moderately anxious or depressed   1 (-0.9, 5.1)     I am extremely anxious or depressed   1 (-0.9, 5.1)     I am extremely anxious or depressed   1 (-0.9, 5.1)     I am extremely anxious or depressed   1 (-0.9, 5.1)     O	9	30 ( 20, 30)	1.0 (2.00, 20.0)
I am moderately anxious or depressed	• • • • • • • • • • • • • • • • • • • •	9 (2-36)	1 11 (1 03 1 68)
I mextremely anxious or depressed   1.7 (-1.5, 6.4)   Missing   33 (-23, 50)   4.3 (2.38, 20.5)     EQ-5D mobility at 30 day follow-up   I have no problems in walking   -3 (-28, 30)   0.96 (0.71, 1.43)     I have some problems in walking   -3 (-29, 22)   0.85 (0, 5.21)     I am confined to bed   5.9 (0.97, 15)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D self-care at 30 day follow-up   I have no problems with self-care   -1 (-25, 27)   0.99 (0.74, 1.39)     I have some problems bathing or dressing myself   5 (-20, 22)   1.5 (0.83, 4.17)     I am unable to bathe or dress myself   51 (34, 69)   7.38 (5.4, 53)     EQ-5D usual activities at 30 day follow-up   1 have no problems in performing my usual activities   -41 (-29, 1.5)   0.59 (0, 2.6)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D usual activities at 30 day follow-up   1 have some problems in performing my usual activities   -3 (-20.77, 16.16)   0.8 (0, 11.66)     I am unable to perform my usual activities   -3 (-20.77, 16.16)   0.8 (0, 11.66)     I am unable to perform my usual activities   -1 (-18, 17)   0.99 (0.8, 1.24)     I have no pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)     I have no pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)     I have extreme pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)     I have extreme pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)     I have extreme pain or discomfort   -1 (-18, 18)   0.95 (0.25, 2.7)     I have extreme pain or depressed   10 (3, 36)   1.12 (1.03, 1.58)     I am mot anxious or depressed   1 (-0.9, 5.1)     Missing   -1 (-0.9, 5.1)   0.89 (0.67, 1.46)     Somewhat satisfied   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 30, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 30, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 30, 30, 30, 30, 30, 30, 30, 30, 30, 30	*	( , ,	
Missing	ž -		0.4 (0, 1.24)
Take no problems in walking	ž -		4 3 (2 38 20 5)
I have no problems in walking I have some problems in walking I am confined to bed  Missing EQ-5D self-care at 30 day follow-up I have no problems with self-care I have some problems with self-care I have some problems with self-care I have some problems bathing or dressing myself I have some problems in performing myself I have no problems in performing my usual activities I have some problems in performing my usual activities I have no problems in performing my usual activities I have no problems in performing my usual activities I have no problems in performing my usual activities I have no problems in performing my usual activities I have no problems in performing my usual activities I have no problems in performing my usual activities I have no pain or discomfort at 30 day follow-up I have no pain or discomfort I have extreme pain or discomfort I have moderate pain or discomfort I have moderate pain or discomfort I have moderate pain or discomfort I have moderately anxious or depressed I no (3, 36) I no (3	9	30 (-20, 00)	4.0 (2.00, 20.0)
I have some problems in walking	• • • • • • • • • • • • • • • • • • • •	-3 (-28 30)	0.96 (0.71, 1.43)
I am confined to bed   5.9 (0.97, 15)   7.38 (5.4, 53)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   -1 (-25, 27)   0.99 (0.74, 1.39)     I have some problems bathing or dressing myself   5 (-20, 22)   1.5 (0.83, 4.17)     I am unable to bathe or dress myself   -4.1 (-29, 1.5)   0.59 (0, 2.6)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   -3 (-20.77, 16.16)   0.8 (0.79, 1.58)     I have some problems in performing my usual activities   -3 (-20.77, 16.16)   0.8 (0, 11.66)     I am unable to perform my usual activities   -3 (-20.77, 16.16)   0.8 (0, 11.66)     I am unable to perform my usual activities   -3 (-20.77, 16.16)   0.99 (0.8, 7.38 (5.4, 53)     EQ-5D pain/discomfort at 30 day follow-up     I have no pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)     I have moderate pain or discomfort   -1 (-20, 13)   0.95 (0.25, 2.7)     I have extreme pain or discomfort   2 (-1, 8.8)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D anxiety/depression at 30 day follow-up     I am not anxious or depressed   10 (3, 36)   1.12 (1.03, 1.58)     I am moderately anxious or depressed   -11.1 (-35.8, -2.9)   0.26 (0, 1.11)     I am extremely anxious or depressed   -11.1 (-35.8, -2.9)   0.26 (0, 1.11)     I am extremely anxious or depressed   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat satisfied   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat satisfied   1 (-15.8, 15.15)   1.08 (0.09, 6.5)     Somewhat dissatisfied   5.2 (-13, 15)   2.24 (1, 4.12)     Very dissatisfied   5.2 (-13, 15)   2.24 (1, 4.12)     Very dissatisfied   5.2 (-13, 15)   3.8 (0.81, 3.95)     Missing   31 (21, 47)   11.33 (6.84, 88)     EQ-5D health state at discharge   -15 (-84, 75.14)   0.77 (0.06, 9.82)     Missing   3 (40, 53)   7.62 (5.5, 53)     EQ-5D health state at 30 day follow-up   0 (-60, 50)   1 (0.37, 2)     Missing   5 (-20, 53)   0.5 (0, 1.5)     Missing			
Missing		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0.00 (0, 0.21)
FQ-5D self-care at 30 day follow-up   I have no problems with self-care   -1 (-25, 27)   0.99 (0.74, 1.39)   1 have some problems bathing or dressing myself   5 (-20, 22)   1.5 (0.83, 4.17)   I am unable to bathe or dress myself   -4.1 (-29, 1.5)   0.59 (0, 2.6)   Missing   51 (34, 69)   7.38 (5.4, 53)     FQ-5D usual activities at 30 day follow-up   I have no problems in performing my usual activities   1 (-29, 5)   0.69 (0, 3.76)   1.08 (0.79, 1.58)   1 have some problems in performing my usual activities   -3.1 (-29, 5)   0.69 (0, 3.76)   1.08 (0.79, 1.58)   1 have some problems in performing my usual activities   -3.1 (-29, 5)   0.69 (0, 3.76)   1.08 (0.79, 1.58)   1 have no pain or discomfort at 30 day follow-up   1 have no pain or discomfort   -1 (-18, 17)   0.99 (0.8, 1.24)   1 have moderate pain or discomfort   -1 (-20, 13)   0.95 (0.25, 2.7)   1 have extreme pain or discomfort   2 (-1, 8.8)   7.38 (5.4, 53)   1 mm not anxious or depressed   10 (3, 36)   1.12 (1.03, 1.58)   1 mm not anxious or depressed   10 (3, 36)   1.12 (1.03, 1.58)   1 mm moderately anxious or depressed   1 (-0.9, 5.1)   1 mm extremely anxious or depressed   1 (-0.9, 5.1)   1 mm extremely anxious or depressed   1 (-0.9, 5.1)   1 mm extremely anxious or depressed   1 (-0.9, 5.1)   1 mm extremely anxious or depressed   1 (-0.9, 5.1)   1 (-0.9		1	7.38 (5.4.53)
I have no problems with self-care	9	31 (31, 30)	1.00 (0.1, 00)
I have some problems bathing or dressing myself I am unable to bathe or dress myself I am unable to bathe or dress myself Missing  EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I and unable to performing my usual activities I and unable to perform my usual activities I and unable to performing my usual activities I and unable to performing my usual activities I and unable to perform my usual activities I and unable to performing my usual activities I and unable to performing my usual activities I and unable to perform my usual activities and solid (1-18, 16) I and unable to perform my usual activities and solid (1-18, 16) I and unable to perform my usual activities and solid (1-18, 16) I and unable to performing my usual activites I and unable to perform my usual activities I and unable to perform my		-1 (-25, 27)	0.99 (0.74, 1.39)
I am unable to bathe or dress myself   S1 (4-29, 1.5)   T38 (5.4)		, , ,	. , ,
Missing         51 (34, 69)         7.38 (5.4, 53)           EQ-5D usual activities at 30 day follow-up         I have no problems in performing my usual activities         6 (-21, 31)         1.08 (0.79, 1.58)           I have some problems in performing my usual activities         -3 (-20.77, 16.16)         0.8 (0, 11.66)           I am unable to perform my usual activities         -3.1 (-29, 5)         0.69 (0, 3.76)           Missing         51 (34, 69)         7.38 (5.4, 53)           EQ-5D pain/discomfort at 30 day follow-up         -1 (-18, 17)         0.99 (0.8, 1.24)           I have moderate pain or discomfort         -1 (-20, 13)         0.95 (0.25, 2.7)           I have extreme pain or discomfort         2 (-1, 8.8)		, , ,	
I have no problems in performing my usual activities   6 (-21, 31)   1.08 (0.79, 1.58)     I have some problems in performing my usual activities   -3 (-20.77, 16.16)   0.8 (0, 11.66)     I am unable to perform my usual activities   -31 (-29, 5)   0.69 (0, 3.76)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D pain/discomfort at 30 day follow-up   -1 (-18, 17)   0.99 (0.8, 1.24)     I have no pain or discomfort   -1 (-20, 13)   0.95 (0.25, 2.7)     I have extreme pain or discomfort   2 (-1, 8.8)     Missing   51 (34, 69)   7.38 (5.4, 53)     EQ-5D anxiety/depression at 30 day follow-up   -1 (-18, 17)   0.99 (0.8, 1.24)     I am not anxious or depressed   51 (34, 69)   7.38 (5.4, 53)     EQ-5D anxiety/depression at 30 day follow-up   -1 (-10, 9, 5.1)     I am extremely anxious or depressed   -11 (-35, 8, -2.9)   0.26 (0, 1.11)     I am extremely anxious or depressed   -11 (-9, 5.1)     Missing   51 (34, 69)   7.38 (5.4, 53)     Patient satisfaction   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat satisfied   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 30)   0.89 (0.67, 1.46)     Somewhat dissatisfied   -9 (-31, 35)   1.08 (0.09, 6.5)     Somewhat dissatisfied   -9 (-31, 35)   1.38 (0.81, 3.95)     Missing   -1 (-15, 8, 15.15)   1.08 (0.09, 6.5)     Somewhat dissatisfied   -1 (-9, 3, 9.53)   1.38 (0.81, 3.95)     Missing   -1 (-15, 8, 15.14)   0.77 (0.06, 9.82)     Missing   -1 (-15, 8, 15.14)   0.77 (0.06, 9.8	· ·		* '
I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I an eop an activities I an eop an or discomfort at 30 day follow-up I have moderate pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort I have extreme pain or discomfort I an extreme pain or discomfort I am not anxious or depressed I an not anxious or depressed I an moderately anxious or depressed I an moderately anxious or depressed I an extremely anxi	9	3- (3-, 33)	(,)
I have some problems in performing my usual activities I am unable to perform my usual activities I am unable to perform my usual activities I (-29, 5) (-3.1 (-29, 5) (-3.8 (5.4, 53)) (-3.8 (5.		6 (-21, 31)	1.08 (0.79, 1.58)
I am unable to perform my usual activities   -3.1 (-29, 5)   0.69 (0, 3.76)		, , ,	. , ,
Missing       51 (34, 69)       7.38 (5.4, 53)         EQ-5D pain/discomfort at 30 day follow-up         I have no pain or discomfort       -1 (-18, 17)       0.99 (0.8, 1.24)         I have moderate pain or discomfort       2 (-1, 8.8)         Missing       51 (34, 69)       7.38 (5.4, 53)         EQ-5D anxiety/depression at 30 day follow-up       31 (34, 69)       7.38 (5.4, 53)         EQ-5D anxiety/depression at 30 day follow-up       1 (0 (3, 36)       1.12 (1.03, 1.58)         I am not anxious or depressed       10 (3, 36)       1.12 (1.03, 1.58)         I am moderately anxious or depressed       1 (-0.9, 5.1)       0.26 (0, 1.11)         I am extremely anxious or depressed       51 (34, 69)       7.38 (5.4, 53)         Patient satisfaction       51 (34, 69)       7.38 (5.4, 53)         Very satisfied       -9 (-31, 30)       0.89 (0.67, 1.46)         Somewhat satisfied       1 (-15.8, 15.15)       1.08 (0.09, 6.5)         Somewhat dissatisfied       5.2 (-13, 15)       2.24 (1, 4.12)         Very dissatisfied       1.6 (-9.3, 9.53)       1.38 (0.81, 3.95)         Missing       31 (21, 47)       11.33 (6.8, 48)         EQ-5D health state at discharge       -15 (-84, 75.14)       0.77 (0.06, 9.82)         Missing			
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort I have moderate pain or discomfort I have moderate pain or discomfort I have extreme pain or discomfort I have extreme pain or discomfort I compared to the pain of discomfort I am not anxious or depressed I compared to the pain of discomfort I am moderately anxious or depressed I compared to the pain of discomfort I am extremely anxious or depressed I compared to the pain of discomfort I am extremely anxious or depressed I compared to the pain of discomfort I compared to the pain of the pain of discomfort I compared to the pain of discomfort I compared to the pain of the pain of discomfort I compared to the pain of the pain of discomfort I compared to the pain of the pain of discomfort I compared to the pain of th		· / /	\
I have no pain or discomfort	9	- (- , )	( . , ,
I have extreme pain or discomfort   2 (-1, 8.8)   Missing   51 (34, 69)   7.38 (5.4, 53)		-1 (-18, 17)	0.99 (0.8, 1.24)
Missing       51 (34, 69)       7.38 (5.4, 53)         EQ-5D anxiety/depression at 30 day follow-up         I am not anxious or depressed       10 (3, 36)       1.12 (1.03, 1.58)         I am moderately anxious or depressed       -11.1 (-35.8, -2.9)       0.26 (0, 1.11)         I am extremely anxious or depressed       1 (-0.9, 5.1)         Missing       51 (34, 69)       7.38 (5.4, 53)         Patient satisfaction         Very satisfied       -9 (-31, 30)       0.89 (0.67, 1.46)         Somewhat satisfied       1 (-15.8, 15.15)       1.08 (0.09, 6.5)         Somewhat dissatisfied       5.2 (-13, 15)       2.24 (1, 4.12)         Very dissatisfied       1.6 (-9.3, 9.53)       1.38 (0.81, 3.95)         Missing       19 (-21, 34.53)       5.75 (0.11, 31.03)         Number of hospitalizations for this injury       31 (21, 47)       11.33 (6.8, 48)         EQ-5D health state at discharge       -15 (-84, 75.14)       0.77 (0.06, 9.82)         Missing       38 (24, 53)       4.8 (3.23, 23)         EQ-5D health state at 30 day follow-up       0 (-60, 50)       1 (0.37, 2)         Missing       53 (40, 73)       7.62 (5.5, 53)         Cost of treatment       -2500 (-33500, 250)       0.5 (0, 1.5)   <	I have moderate pain or discomfort	-1 (-20, 13)	$0.95 \ (0.25, \ 2.7)$
EQ-5D anxiety/depression at 30 day follow-up   I am not anxious or depressed   10 (3, 36)   1.12 (1.03, 1.58)   I am moderately anxious or depressed   -11.1 (-35.8, -2.9)   0.26 (0, 1.11)   I am extremely anxious or depressed   1 (-0.9, 5.1)   Missing   51 (34, 69)   7.38 (5.4, 53)	I have extreme pain or discomfort	2 (-1, 8.8)	
I am not anxious or depressed 10 (3, 36) 1.12 (1.03, 1.58) I am moderately anxious or depressed -11.1 (-35.8, -2.9) 0.26 (0, 1.11) I am extremely anxious or depressed 1 (-0.9, 5.1) 51 (34, 69) 7.38 (5.4, 53) Patient satisfaction  Very satisfied -9 (-31, 30) 0.89 (0.67, 1.46) Somewhat satisfied 1 (-15.8, 15.15) 1.08 (0.09, 6.5) Somewhat dissatisfied 5.2 (-13, 15) 2.24 (1, 4.12) Very dissatisfied 1.6 (-9.3, 9.53) 1.38 (0.81, 3.95) Missing 19 (-21, 34.53) 5.75 (0.11, 31.03) Number of hospitalizations for this injury  Missing 31 (21, 47) 11.33 (6.8, 48) EQ-5D health state at discharge 38 (24, 53) 4.8 (3.23, 23) EQ-5D health state at 30 day follow-up 0 (-60, 50) 1 (0.37, 2) Missing 53 (40, 73) 7.62 (5.5, 53) Cost of treatment -2500 (-33500, 250) 0.5 (0, 1.5)	Missing	51 (34, 69)	7.38 (5.4, 53)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EQ-5D anxiety/depression at 30 day follow-up		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	I am not anxious or depressed	10 (3, 36)	1.12 (1.03, 1.58)
Missing       51 (34, 69)       7.38 (5.4, 53)         Patient satisfaction         Very satisfied       -9 (-31, 30)       0.89 (0.67, 1.46)         Somewhat satisfied       1 (-15.8, 15.15)       1.08 (0.09, 6.5)         Somewhat dissatisfied       5.2 (-13, 15)       2.24 (1, 4.12)         Very dissatisfied       1.6 (-9.3, 9.53)       1.38 (0.81, 3.95)         Missing       19 (-21, 34.53)       5.75 (0.11, 31.03)         Number of hospitalizations for this injury       31 (21, 47)       11.33 (6.8, 48)         EQ-5D health state at discharge       -15 (-84, 75.14)       0.77 (0.06, 9.82)         Missing       38 (24, 53)       4.8 (3.23, 23)         EQ-5D health state at 30 day follow-up       0 (-60, 50)       1 (0.37, 2)         Missing       53 (40, 73)       7.62 (5.5, 53)         Cost of treatment       -2500 (-33500, 250)       0.5 (0, 1.5)	I am moderately anxious or depressed	-11.1 (-35.8, -2.9)	0.26 (0, 1.11)
Patient satisfaction           Very satisfied         -9 (-31, 30)         0.89 (0.67, 1.46)           Somewhat satisfied         1 (-15.8, 15.15)         1.08 (0.09, 6.5)           Somewhat dissatisfied         5.2 (-13, 15)         2.24 (1, 4.12)           Very dissatisfied         1.6 (-9.3, 9.53)         1.38 (0.81, 3.95)           Missing         19 (-21, 34.53)         5.75 (0.11, 31.03)           Number of hospitalizations for this injury         Strain (1, 47)         11.33 (6.8, 48)           EQ-5D health state at discharge         -15 (-84, 75.14)         0.77 (0.06, 9.82)           Missing         38 (24, 53)         4.8 (3.23, 23)           EQ-5D health state at 30 day follow-up         0 (-60, 50)         1 (0.37, 2)           Missing         53 (40, 73)         7.62 (5.5, 53)           Cost of treatment         -2500 (-33500, 250)         0.5 (0, 1.5)	I am extremely anxious or depressed	1 (-0.9, 5.1)	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Missing	51 (34, 69)	7.38(5.4,53)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Patient satisfaction		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Very satisfied	-9 (-31, 30)	$0.89 \ (0.67, 1.46)$
$\begin{array}{c} \text{Very dissatisfied} & 1.6 \ (-9.3,  9.53) & 1.38 \ (0.81,  3.95) \\ \text{Missing} & 19 \ (-21,  34.53) & 5.75 \ (0.11,  31.03) \\ \textbf{Number of hospitalizations for this injury} \\ \text{Missing} & 31 \ (21,  47) & 11.33 \ (6.8,  48) \\ \textbf{EQ-5D health state at discharge} & -15 \ (-84,  75.14) & 0.77 \ (0.06,  9.82) \\ \text{Missing} & 38 \ (24,  53) & 4.8 \ (3.23,  23) \\ \textbf{EQ-5D health state at 30 day follow-up} & 0 \ (-60,  50) & 1 \ (0.37,  2) \\ \text{Missing} & 53 \ (40,  73) & 7.62 \ (5.5,  53) \\ \textbf{Cost of treatment} & -2500 \ (-33500,  250) & 0.5 \ (0,  1.5) \\ \end{array}$	Somewhat satisfied	1 (-15.8, 15.15)	$1.08 \ (0.09, \ 6.5)$
Missing     19 (-21, 34.53)     5.75 (0.11, 31.03)       Number of hospitalizations for this injury     31 (21, 47)     11.33 (6.8, 48)       EQ-5D health state at discharge     -15 (-84, 75.14)     0.77 (0.06, 9.82)       Missing     38 (24, 53)     4.8 (3.23, 23)       EQ-5D health state at 30 day follow-up     0 (-60, 50)     1 (0.37, 2)       Missing     53 (40, 73)     7.62 (5.5, 53)       Cost of treatment     -2500 (-33500, 250)     0.5 (0, 1.5)	Somewhat dissatisfied	5.2 (-13, 15)	2.24(1, 4.12)
Number of hospitalizations for this injury         Missing       31 (21, 47)       11.33 (6.8, 48)         EQ-5D health state at discharge       -15 (-84, 75.14)       0.77 (0.06, 9.82)         Missing       38 (24, 53)       4.8 (3.23, 23)         EQ-5D health state at 30 day follow-up       0 (-60, 50)       1 (0.37, 2)         Missing       53 (40, 73)       7.62 (5.5, 53)         Cost of treatment       -2500 (-33500, 250)       0.5 (0, 1.5)	Very dissatisfied	1.6 (-9.3, 9.53)	$1.38 \ (0.81, \ 3.95)$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Missing	19 (-21, 34.53)	$5.75 \ (0.11, \ 31.03)$
EQ-5D health state at discharge       -15 (-84, 75.14)       0.77 (0.06, 9.82)         Missing       38 (24, 53)       4.8 (3.23, 23)         EQ-5D health state at 30 day follow-up       0 (-60, 50)       1 (0.37, 2)         Missing       53 (40, 73)       7.62 (5.5, 53)         Cost of treatment       -2500 (-33500, 250)       0.5 (0, 1.5)	Number of hospitalizations for this injury		
Missing $38 (24, 53)$ $4.8 (3.23, 23)$ EQ-5D health state at 30 day follow-up $0 (-60, 50)$ $1 (0.37, 2)$ Missing $53 (40, 73)$ $7.62 (5.5, 53)$ Cost of treatment $-2500 (-33500, 250)$ $0.5 (0, 1.5)$	Missing	31 (21, 47)	11.33 (6.8, 48)
EQ-5D health state at 30 day follow-up $0 \ (-60, 50)$ $1 \ (0.37, 2)$ Missing $53 \ (40, 73)$ $7.62 \ (5.5, 53)$ Cost of treatment $-2500 \ (-33500, 250)$ $0.5 \ (0, 1.5)$	EQ-5D health state at discharge	-15 (-84, 75.14)	$0.77 \ (0.06,  9.82)$
Missing $53 (40, 73)$ $7.62 (5.5, 53)$ Cost of treatment $-2500 (-33500, 250)$ $0.5 (0, 1.5)$	Missing	38 (24, 53)	4.8 (3.23, 23)
Cost of treatment -2500 (-33500, 250) 0.5 (0, 1.5)	EQ-5D health state at 30 day follow-up	0 (-60, 50)	1 (0.37, 2)
	9	53 (40, 73)	7.62 (5.5, 53)
Missing 69 (-68, 98) 4.29 (0.25, 9.3)		`. '. '	
	Missing	69 (-68, 98)	4.29 (0.25, 9.3)

### Absolute and relative differences in outcomes after training, comparing standard care with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	11.1 (-5.3, 22.33)	3.27 (0.61, 18.82)
No	-11 (-22.46, 4)	$0.88 \ (0.78, 1.05)$
Missing	14 (-24.07, 32)	2.17(0, 12)
24 hour mortality		
Yes		
No		
Missing	-1 (-16, 4)	0.88(0, 3.33)
In-hospital mortality		
Yes	7.9 (-3.66, 16)	2.93 (0.74, 17.86)
No	-8 (-24, 2)	0.92 (0.8, 1.03)
Missing	2 (-1, 6)	
Self-ambulatory at discharge		
Yes	2 (-1, 12)	1.02(1, 1.14)
No	-1.4 (-12, 0.7)	

Missing	21 (-1, 45)	8 (1.25, 46)
Return to work	21 (-1, 40)	0 (1.20, 40)
Yes	-17 (-41, -4)	$0.76 \ (0.42, \ 0.98)$
No Minimum	17 (1, 41)	1.57 (1.05, 6.48)
Missing Pulmonary complication	40 (-36, 64)	3.5 (0.18, 12.99)
Yes		
No		
Missing	23 (-22, 40)	$3.3 \ (0.12, \ 14.65)$
Septic complication Yes	-2.4 (-8.7, 0)	
No	2 (0, 9)	1.02 (1, 1.1)
Missing	23 (-20, 41)	$3.3 \ (0.13, \ 15)$
Renal failure		
Yes No		
Missing	22 (-20, 39.08)	3.2 (0.13, 14.5)
Coagulopathy		, , ,
Yes	0 (-17.31, 4.2)	1 (0.00.1)
No Missing	0 (-17, 0) 22 (-20, 39.08)	$ \begin{array}{c} 1 \ (0.83, 1) \\ 3.2 \ (0.13, 14.5) \end{array} $
Need for reexploration or resurgery	22 (-20, 55.00)	5.2 (0.15, 14.0)
Yes	0.9 (-5.32, 4.2)	
No	-1 (-5, 4)	0.99 (0.95, 1.04)
Missing Failure of conservative management	32 (-21.3, 51.96)	4.2 (0.17, 17.75)
No	0 (-22, 8)	1 (0.77, 1.09)
Yes	0.1 (-8.4, 22)	$1.06 \ (0.26, \ 17)$
Missing	32 (-35.17, 54)	3.67 (0, 20.5)
EQ-5D mobility at discharge I have no problems in walking	-30 (-50, -1.99)	$0.67\ (0.5,\ 1)$
I have some problems in walking	14 (0.84, 33)	3.8 (2.06, 16.11)
I am confined to bed	15.7 (-15.7, 28)	
Missing	30 (-10, 51)	$3.31 \ (0.35, \ 13.38)$
EQ-5D self-care at discharge I have no problems with self-care	-35 (-52, -23)	0.59 (0.44, 0.73)
I have some problems bathing or dressing myself	22.7 (0, 41)	3.73 (1.21, 20.62)
I am unable to bathe or dress myself	12.3 (-5.5, 44.8)	2.84 (0.88, 20)
Missing	30 (-10, 51)	$3.31 \ (0.35, \ 13.38)$
EQ-5D usual activities at discharge I have no problems in performing my usual activities	-38 (-61, -23)	0.55 (0.35, 0.69)
I have some problems in performing my usual activities	29.7 (17, 46.5)	4.58 (2.2, 26.47)
I am unable to perform my usual activities	8.3 (-6, 33)	2.24 (0.76, 18.12)
Missing	30 (-10, 51)	$3.31 \ (0.35, \ 13.38)$
EQ-5D pain/discomfort at discharge I have no pain or discomfort	-40 (-62, -22)	0.38 (0.21, 0.57)
I have moderate pain or discomfort	5 (-16, 45)	1.17 (0.69, 4.46)
I have extreme pain or discomfort	35 (-36.75, 49)	
Missing	30 (-10, 51)	$3.31 \ (0.35, \ 13.38)$
EQ-5D anxiety/depression at discharge I am not anxious or depressed	-3 (-40, 10)	0.97 (0.59, 1.13)
I am moderately anxious or depressed	1.8 (-11.4, 39.6)	1.36 (0.43, 19.33)
I am extremely anxious or depressed	1.7(0, 6.4)	, ,
Missing	30 (-10, 51)	$3.31 \ (0.35, \ 13.38)$
EQ-5D mobility at 30 day follow-up I have no problems in walking	-21 (-50, -14)	0.79 (0.5, 0.86)
I have some problems in walking	17 (5, 50)	0.10 (0.0, 0.00)
I am confined to bed	4.2 (-3.7, 12)	
Missing	44 (-43.29, 69)	$3.93 \ (0.16, 15.75)$
EQ-5D self-care at 30 day follow-up I have no problems with self-care	-18 (-39, -10)	0.81 (0.61, 0.9)
I have some problems bathing or dressing myself	15 (7.4, 33)	0.01 (0.01, 0.0)
I am unable to bathe or dress myself	2.5 (-7, 25.9)	1.74 (0.58, 11.76)
Missing FO FD yavel estivities at 20 day follow up	44 (-43.29, 69)	$3.93 \ (0.16, 15.75)$
EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities	-14 (-46, 1)	0.85 (0.52, 1.03)
I have some problems in performing my usual activities	10.3 (-1, 41.2)	7.06 (4.78, 23.89)
I am unable to perform my usual activities	3.5 (-5.6, 24.9)	2.03 (0.84, 11.76)
Missing FO 5D pair /discomfort at 30 day follow up	44 (-43.29, 69)	$3.93 \ (0.16, 15.75)$
EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort	-7 (-28, 6)	0.92 (0.72, 1.09)
I have moderate pain or discomfort	5 (-10, 26.65)	1.36 (0.61, 14.5)

I have extreme pain or discomfort	2 (0, 8.8)	
Missing	44 (-43.29, 69)	3.93 (0.16, 15.75)
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	-2 (-42, 7)	$0.98 \ (0.57, \ 1.09)$
I am moderately anxious or depressed	0.5 (-11, 42.2)	1.15 (0.31, 27.27)
I am extremely anxious or depressed	1 (0, 5.1)	
Missing	44 (-43.29, 69)	3.93 (0.16, 15.75)
Patient satisfaction		
Very satisfied	-24 (-39, -17)	0.74 (0.6, 0.84)
Somewhat satisfied	8.3 (-1.09, 35.6)	2.46 (1.09, 19.33)
Somewhat dissatisfied	9.4 (4, 17)	
Very dissatisfied	5.8 (0, 13)	
Missing	20 (-1, 44)	$7.67\ (1.25,\ 45)$
Number of hospitalizations for this injury		
Missing	23 (-27, 42.97)	3.09(0, 15.5)
EQ-5D health state at discharge	-40 (-89, -25)	$0.56 \ (0.06, \ 0.83)$
Missing	29 (-32, 53)	2.53 (0.18, 8.62)
EQ-5D health state at 30 day follow-up	-17 (-91, 5)	0.83 (0.09, 1.1)
Missing	44 (-47, 69.25)	3.59 (0.14, 14.75)
Cost of treatment	1000 (-5000, 27188.83)	1.67 (0.4, 26.67)
Missing	69 (-5, 98.46)	$4.29 \ (0.78, 10.67)$

## Absolute and relative differences in outcomes after training, comparing ATLS with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	-1.1 (-22, 11.22)	0.78(0, 4.44)
No	1 (-12, 22)	1.01 (0.88, 1.28)
Missing	-10 (-37, 9)	0.17(0, 3.17)
24 hour mortality		
Yes		
No		
Missing	-6 (-15, -4)	0.25(0, 0.88)
In-hospital mortality	. , ,	, ,
Yes	-0.4 (-17, 9.31)	0.9(0, 3.94)
No	0 (-11, 15)	1 (0.89, 1.19)
Missing	1 (-2, 6)	, , ,
Self-ambulatory at discharge	( , ,	
Yes	3 (0, 14)	1.03 (1, 1.16)
No	-2.9 (-14, -1.4)	( )
Missing	1 (-28, 25)	1.33 (0, 13)
Return to work	, ,	( ) /
Yes	-12 (-40, 7)	0.83 (0.42, 1.16)
No	12 (-9, 40)	1.4 (0.86, 4.93)
Missing	-7 (-59, 9)	0.56 (0.05, 2.11)
Pulmonary complication	. (, -,	, ,
Yes		
No		
Missing	-5 (-42, 5)	0.5(0, 2.2)
Septic complication	3 ( -=, 3)	(0, -1-)
Yes	-3.2 (-8.2, -0.8)	
No	3 (0, 8)	1.03 (1, 1.09)
Missing	-5 (-41, 5)	0.5(0, 2.2)
Renal failure	3 (, 3)	(0, -1-)
Yes		
No		
Missing	-5 (-39, 5)	0.5(0, 2.2)
Coagulopathy	3 (30, 3)	0.0 (0, 2.2)
Yes	4.3 (0, 16)	
No	-4 (-16, 0)	0.96 (0.84, 1)
Missing	-5 (-39, 5)	0.5 (0, 2.2)
Need for reexploration or resurgery	0 ( 00, 0)	0.0 (0, 2.2)
Yes	-1.6 (-7.7, 0)	
No	2 (0, 8)	1.02 (1, 1.09)
Missing	-4 (-46, 5)	0.6 (0, 2.4)
Failure of conservative management	-4 (-40, 0)	0.0 (0, 2.4)
No	-6 (-26, -1)	0.94 (0.73, 0.99)
110	-0 (-20, -1)	0.04 (0.10, 0.03)

Missing	Yes	6.4 (0.9, 26.4)	5 (2.6, 27.14)
Inave no problems in walking	Missing	-9 (-52, 9)	0.25(0,3)
In we some problems in walking	EQ-5D mobility at discharge		
Am confined to bed   3,3 (-26, 3,6)   3,6 (-51,9)   0,77 (0,11, 2,25)	I have no problems in walking	-3 (-37.88, 35.16)	$0.97 \ (0.61, \ 1.59)$
Nissing   Sq. 51, 9   0.77 (0.11, 2.25     Pave no problems with self-care   1-8 (-57, 21)   0.79 (0.41, 1.49)     Lave some problems bathling or dressing myself   15.3 (4, 42.8)   3.28 (1.16, 20)     Missing   3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D usual activities at discharge   2.4 (-63, 10.64)   0.72 (0.28, 1.39)     Lave some problems in performing my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)     Lave some problems in performing my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)     Lave some problems in performing my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)     Lave no problems in performing my usual activities   1.6 (-53, 33.45)   0.77 (0.11, 2.25)     EQ-5D pain/discomfort at discharge   1.6 (-53, 33.45)   0.77 (0.11, 2.25)     Lave moderate pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)     Lave expression at discharge   1.8 (-64, 58.8)   0.77 (0.11, 2.25)     Lave with motion and motion of depressed   12 (1.7, 42.8)   0.87 (0.55, 0.96)     Lam moderately anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)     Lam extremely anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)     Law expression at discharge   1.7 (-12, 1.7)   1.7 (-12, 1.7)     Lave some problems in walking   3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D mobility at 30 day follow-up   1.8 (-6, 6, 8.0)   0.79 (0.58, 0.98)     Lave some problems in walking   -1.8 (-55, 4)   0.82 (0.45, 0.98)     Lave some problems in walking   -1.7 (-12, 1.7)   1.7 (-12, 1.7)     Missing   -1.7 (-12, 1.7)   1.7 (-	I have some problems in walking	6 (-14, 25.04)	$2.2 \ (0.45, 14.67)$
EQ-5D self-care at discharge   1-18 (-57, 21)   0,79 (0.41, 1.49)	I am confined to bed	-3.3 (-26, 3.6)	
Inave no problems with self-care   -18 (-57, 21)   0.79 (0.41, 1.49)     Inave some problems bathing or dressing myself   15,3 (4, 42.8)   3.28 (1.16, 20)     Missing   15,3 (4, 42.8)   3.28 (1.16, 20)     EQ-5D usual activities at discharge   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D usual problems in performing my usual activities   13,7 (-21.15, 56)   2.65 (0.74, 23.16)     Inave no problems in performing my usual activities   13,7 (-21.15, 56)   2.65 (0.74, 23.16)     Inave nome problems in performing my usual activities   13,7 (-21.15, 56)   2.65 (0.74, 23.16)     Inave nome problems in performing my usual activities   13,7 (-21.15, 56)   2.65 (0.74, 23.16)     Inave noderate pain or discomfort   -15 (-53, 33.45)   0.77 (0.11, 2.25)     Inave moderate pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)     Inave moderate pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)     Inave moderately anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     Inam moderately anxious or depressed   0 (-6.8, 0)   0.70 (0.11, 2.25)     Inave no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)     Inave no problems in walking   -17 (-12, 1.77   0.88)     Inave no problems in walking   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up   1 have some problems with self-care   -17 (-38, -8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   1 have no problems with self-care   -17 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   1 have non problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)     Inam confined to bed   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   1 have no pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)     Inave some problems in performing my usual activities   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   1 have no pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)     Inave non pain or discomfort   -6 (-8, 28)   0.53	Missing	-3 (-51, 9)	$0.77 \ (0.11, \ 2.25)$
In ave some problems bathing or dressing myself   1.3 (a), (2.9.35)   1.33 (b, 8)     Iam unable to bathe or dress myself   1.53 (4, 42.8)   3.28 (1.16, 20)     Missing   2.4 (-63, 10.64)   0.72 (0.28, 1.39)     I have no problems in performing my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)     I have some problems in performing my usual activities   13.3 (-1, 50.3)   2.54 (1.09, 18.33)     Missing   3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D pain/discomfort at discharge   1.5 (-53, 33.45)   0.77 (0.11, 2.25)     I have no pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   2.5 (-49, 5.8)     Missing   3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D anxiety/depression at discharge   1.2 (-43, -4)   0.87 (0.55, 0.96)     I am moderately anxious or depressed   0.66, 8.0     Missing   2.0 (1.15, 55)   0.77 (0.11, 2.25)     EQ-5D mobility at 30 day follow-up     I have no problems in walking   2.0 (1.19, 55)   1.77 (-12, 1.77     Missing   2.0 (1.19, 55)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up     I have no problems in with self-care   1.0 (-6, 30)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   1.30 (-6, 20)   0.77 (0.58, 8)     Missing   7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up     I have some problems in performing my usual activities   1.30 (-6, 20)   0.79 (0.53, 0.88)     I am unable to bether or dress myself   0.66, 2.4, 24.3   2.94 (1.67, 13.89)     EQ-5D usual activities at 30 day follow-up     I have more problems in performing my usual activities   1.30 (-6, 0.0)   0.77 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up     I have more problems in performing my usual activities   1.30 (-6, 0.0)   0.77 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up     I have moderate pain or discomfort   0.66, 0.0   0.77	=		
An unable to bathe or dress myself   15.3 (4, 42.8)   3.28 (1.16, 20)   Nissing   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D usual activities at discharge   13.7 (-21.15, 56)   2.65 (0.74, 23.16)     I have no problems in performing my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)     I am unable to perform my usual activities   13.7 (-21.15, 56)   2.56 (0.74, 23.16)     I am unable to perform my usual activities   13.7 (-21.15, 56)   2.56 (0.74, 23.16)     I am unable to perform my usual activities   13.7 (-21.15, 56)   0.77 (0.11, 2.25)     EQ-5D pain/discomfort at discharge   15 (-53, 33.45)   0.77 (0.11, 2.25)     I have no pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)     I have moderate pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)     I have enderate pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)     I have enderately anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I am not anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I am moderately anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I am extremely anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I am extremely anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I am extremely anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I have no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)     I have no problems in walking   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up   -17 (-12, 1.77			*
Missing   Seq. 50   Seq. 50   Seq. 50   Seq. 50   Seq. 50			. * * * .
EQ.5D usual activities at discharge   1 have no problems in performing my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)   1 am unable to perform my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)   1 am unable to perform my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)   1 am unable to perform my usual activities   13.7 (-21.15, 56)   2.65 (0.74, 23.16)   1 am unable to perform my usual activities   1.5 (-5.3, 33.45)   0.77 (0.11, 2.25)   1 have no pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)   1 have extreme pain or discomfort   5 (-49, 5.8)   1.67 (1.12, 4.46)   1 have extreme pain or discomfort   5.64, 95.8)   0.77 (0.11, 2.25)   1 moderate pain or discomfort   5 (-49, 5.8)   0.77 (0.11, 2.25)   1 moderately anxious or depressed   12 (17, 42.8)   3.4 (1.17, 22.31)   1 am extremely anxious or depressed   12 (17, 42.8)   3.4 (1.17, 22.31)   1 am extremely anxious or depressed   0.66, 8.0   0.53 (0.68, 0)   0.53 (0.69, 0.98)   1 have some problems in walking   20 (11.9, 55)   1 am confined to bed   -1.7 (-12, 1.7)   1 moderately anxious or depressed   1 (-6.3, 0)   0.53 (0.05, 2.14)   1 measurement of the problems in walking   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems with self-care   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems with self-care   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems with self-care   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems in performing my usual activities   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems in performing my usual activities   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems in performing my usual activities   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems in performing my usual activities   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may eno problems in performing my usual activities   -1.7 (-65, 8)   0.53 (0.05, 2.14)   1 may enderate pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   1 may enderate pain or discomfort   -6 (-6, 0)   -7 (-65, 8)   0.53 (0.05, 2.14)	<del>-</del>		
I have no problems in performing my usual activities   13.7 (~21.15, 56)   2.65 (0.14, 23.16)   1 have some problems in performing my usual activities   13.7 (~21.15, 56)   2.65 (0.16, 0.12, 23.16)   1 km unable to perform my usual activities   10.3 (~1, 50.3)   2.54 (1.09, 18.33)   Missing   -3 (51, 9)   0.77 (0.11, 2.25)   1 have moderate pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)   1 have no pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)   1 have extreme pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)   1 have extreme pain or discomfort   3 (51, 9)   0.77 (0.11, 2.25)   EQ-5D anxiety/depression at discharge   -12 (-43, -4)   0.87 (0.55, 0.96)   1 am moderately anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)   1 am extremely anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)   1 am extremely anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)   1 am extremely anxious or depressed   12 (1.7, 42.8)   0.87 (0.55, 0.96)   1 am nonderately anxious or depressed   12 (1.7, 42.8)   0.82 (0.45, 0.98)   1 have some problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)   1 have some problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)   1 have some problems in walking   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D self-care at 30 day follow-up   1 have no problems bathing or dressing myself   10 (-65, 30)   0.53 (0.05, 2.14)   EQ-5D usual activities at 30 day follow-up   1 have no problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)   1 have some problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)   1 have some problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.89)   1 have moperate pain or discomfort   6 (-8, 28)   0.43 (0.67, 12)   1 have moderate pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)   EQ-5D pain/discomfort at 30 day follow-up   1 have moperate pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)   EQ-5D pain/discomfort at 30 day follow-up   1 have moderately anxious or depressed   -		-3 (-51, 9)	$0.77 \ (0.11, \ 2.25)$
Inawe some problems in performing my usual activities   13.7 (-21.15.56)   2.54 (1.09, 18.33)		94 ( 69 10 64)	0.79 (0.98, 1.90)
I am unable to perform my usual activities   10.3 (-1, 50.3)   2.54 (1.09, 18.33)     I Ave no pain or discomfort   15 (-53, 33.45)   1.67 (1.12, 2.25)     I have no pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   -5 (-49, 5.8)     I am not anxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)     I am modarately anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)     I am extremely anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)     I am extremely anxious or depressed   0 (-6.8, 0)     Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D mobility at 30 day follow-up     I have no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)     I have some problems in walking   -17 (-12, 1.7)     I have some problems in walking   -17 (-12, 1.7)     I have some problems bathing or dressing myself   10 (-6, 30)     I am unable to bathe or dress myself   10 (-6, 30)     I am unable to bathe or dress myself   10 (-6, 30)     I am unable to perform my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)     I have some problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)     I have some problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)     I am unable to perform my usual activities   66 (-18, 24)   2.94 (1.7, 13.89)     I have some problems in performing my usual activities   1.3 (-6, 18, 24)   2.94 (1.7, 13.89)     I have moderate pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)     EQ-5D pain/discomfort at 30 day follow-up   1 (-6, 5, 8)   0.53 (0.05, 2.14)     I have moderate pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)     I have moderately anxious or depressed   1.2 (-34, -3)   0.88 (0.65, 0.98)     I am modarately anxious or depressed   1.2 (-34, -3)   0.88 (0.65, 0.98)     I am modarately anxious or depressed   1.16 (-0.0, 6, 34)   0.88 (0.65, 0.		1. 1.	
Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D pain/discomfort at discharge   1 have no pain or discomfort   -15 (-53, 33.45)   0.77 (0.3, 2.35)     I have moderate pain or discomfort   -20 (3, 49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   -5 (-49, 5.8)     I have moderate pain or discomfort   -5 (-49, 5.8)     Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D anxiety/depression at discharge   -12 (-43, -4)   0.87 (0.55, 0.96)     I am moderately anxious or depressed   -12 (-13, 42.8)   3.4 (1.17, 22.31)     I am extremely anxious or depressed   0 (-6.8, 0)     Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D banbility at 30 day follow-up   -1 (-12, 1.7)     I have no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)     I have some problems in walking   -18 (-55, -4)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up   -1 (-65, 8)   0.53 (0.05, 2.14)     I have no problems with self-care   -17 (-38, -8)   0.82 (0.61, 0.94)     I have some problems bathing or dressing myself   -10 (-6, 30)   -2.94 (1.65, 13.89)     Missing   -7 (-65, 8)   -0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   -1 (-64, -12)   -1 (-7 (-7 (-7 (-7 (-7 (-7 (-7 (-7 (-7 (-7			1 1
Lave no pain or discomfort at discharge   1-15 (-53, 33.45)   0.77 (0.3, 2.35)   1 have moderate pain or discomfort   20 (3, 49)   1.67 (1.12, 4.46)   1 have extreme pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)   1 have moderate pain or discomfort   -5 (-49, 5.8)   0.77 (0.11, 2.25)   1 have extreme pain or discomfort   -12 (-43, -4)   0.87 (0.55, 0.96)   1 am motaxious or depressed   -12 (-43, -4)   0.87 (0.55, 0.96)   1 am moderately anxious or depressed   -12 (-13, -4)   0.87 (0.55, 0.96)   1 am moderately anxious or depressed   0 (-6.8, 0)   0.77 (0.11, 2.25)   1 am extremely anxious or depressed   -18 (-55, -4)   0.82 (0.45, 0.98)   1 have no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)   1 have some problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)   1 have some problems in walking   -17 (-12, 1.7)   1 have non problems with self-care   -17 (-38, -8)   0.53 (0.05, 2.14)   1 have some problems bathing or dressing myself   10 (-6, 30)   1 have some problems bathing or dressing myself   10 (-6, 30)   -7 (-65, 8)   0.53 (0.05, 2.14)   1 have some problems bathing or dressing myself   10 (-6, 30)   -7 (-65, 8)   0.53 (0.05, 2.14)   1 have non problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)   1 have some problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)   1 have moderate pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   1 have moderate pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   1 have moderate pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   1 have moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)   1 have moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)   1 have extreme pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   1 have moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)   1 have extreme pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   1 have moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)   1 have tremely anxio			
Thave no pain or discomfort   20 (3.49)   1.67 (0.3.235)     I have moderate pain or discomfort   20 (3.49)   1.67 (1.12, 4.46)     I have extreme pain or discomfort   25 (49, 5.8)   0.77 (0.11, 2.25)     Missing   3 (5.19)   0.77 (0.11, 2.25)     EQ-5D anxiety/depression at discharge   12 (43, 4)   0.87 (0.55, 0.96)     I am not anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)     I am extremely anxious or depressed   0 (6.8, 0)   0.77 (0.11, 2.25)     I am extremely anxious or depressed   0 (6.8, 0)   0.77 (0.11, 2.25)     EQ-5D mobility at 30 day follow-up   1 have no problems in walking   18 (55, 4)   0.82 (0.45, 0.98)     I have some problems in walking   20 (11.9, 55)   1 am confined to bed   1.7 (-12, 1.7)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up   1 have no problems with self-care   17 (-38, -8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   1 have no problems with self-care   10 (-6, 3)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up   1 have no problems in performing my usual activities   1 have some problems in performing my usual activities   1 have no problems in performing my usual activities   1 have no problems in performing my usual activities   1 have no problems in performing my usual activities   1 have no problems in performing my usual activities   1 have no problems in performing my usual activities   1 have no problems in performing my usual activities   1 have no pain or discomfort   6 (-6, 8)   0.53 (0.05, 2.14)     EQ-5D pain/discomfort at 30 day follow-up   1 have no pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)     EQ-5D pain/discomfort at 30 day follow-up   1 have moderate pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)     EQ-5D anxiety/depression at 30 day follow-up   1 have extreme pain or discomfort   0 (-6, 6, 0)   0.53 (0.05, 2.14)     EQ-5D anxiety/depression at 30 day follow-up   1 have extremely anxious or depressed   0 (-4.8, 0)   0.53 (0.05, 0.14)     EQ-5D anxiety/depression at 30 day follo		-5 (-61, 5)	0.77 (0.11, 2.20)
Thave moderate pain or discomfort		-15 (-53, 33,45)	0.77 (0.3, 2.35)
Thave extreme pain or discomfort   Sc. (49, 5.8)   Missing   Sc. (25)   Danxiety / depression at discharge   I am not anxious or depressed   12 (1.7, 42, 8)   3.4 (1.17, 22.31)   I am extremely anxious or depressed   12 (1.7, 42, 8)   3.4 (1.17, 22.31)   I am extremely anxious or depressed   12 (1.7, 42, 8)   0.87 (0.55, 0.96)   I am moderately anxious or depressed   0.6, 8, 0)   0.77 (0.11, 2.25)   EQ-5D mobility at 30 day follow-up   I have no problems in walking   20 (11.9, 55)   I am confined to bed   1.7 (-12, 1.7)   To.		* . * . *	
Missing			(,)
EQ-5D anxiety/depression at discharge   I am not anxious or depressed   12 (-43, -4)   0.87 (0.55, 0.96)   1 am moderately anxious or depressed   12 (17, 42.8)   3.4 (1.17, 22.31)   1 am extremely anxious or depressed   0 (-6.8, 0)   0.77 (0.11, 2.25)     EQ-5D mobility at 30 day follow-up   1 have no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)   1 have some problems in walking   20 (11.9, 55)   1 am confined to bed   -1.7 (-12, 1.7)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up   1 have no problems with self-care   -17 (-38, -8)   0.52 (0.61, 0.94)   1 have no problems bathing or dressing myself   10 (-6, 30)   1 am unable to bathe or dress myself   6.6 (2.4, 24.3)   2.94 (1.65, 13.89)   4 (-65, 13.89)   -7 (-65, 8)   0.53 (0.05, 2.14)   1 (-65, 8)		*	0.77(0.11, 2.25)
A mm moderately anxious or depressed   12 (1.7, 42.8)   3.4 (1.17, 22.31)     I am extremely anxious or depressed   0 (-6.8, 0)     Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     EQ-5D mobility at 30 day follow-up     I have no problems in walking   20 (11.9, 55)     I am confined to bed   -1.7 (-12, 1.7)     Missing   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   -17 (-38, -8)   0.82 (0.61, 0.94)     I have no problems with self-care   -17 (-38, -8)   0.82 (0.61, 0.94)     I have no problems bathing or dressing myself   10 (-6, 30)     I am unable to bathe or dress myself   6.6 (2.4, 24.3)   2.94 (1.65, 13.89)     Missing   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)     I have no problems in performing my usual activities   -13, 35, 38   8.82 (9.31, 21.11)     I have no problems in performing my usual activities   -16, (-12)   0.79 (0.53, 0.88)     I have some problems in performing my usual activities   -16, (-12)   0.79 (0.53, 0.88)     I have no problems in performing my usual activities   -16, (-8, 24)   2.94 (1.7, 13.89)     Missing   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D pain/discomfort at 30 day follow-up     I have no pain or discomfort   6 (-8, 28)   1.43 (0.67, 12)     I have moderate pain or discomfort   6 (-8, 28)   1.43 (0.67, 12)     I have moderate pain or discomfort   0 (-66, 6)   0.53 (0.05, 2.14)     EQ-5D anxiety/depression at 30 day follow-up     I am not anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)     I am moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)     I am moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)     I am moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)     I am moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)     I am moderately anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)	EQ-5D anxiety/depression at discharge	, ,	, , ,
A mextremely anxious or depressed   0 (-6.8, 0)   Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     Missing   -3 (-51, 9)   0.77 (0.11, 2.25)     Lave no problems in walking   -18 (-55, -4)   0.82 (0.45, 0.98)     I have some problems in walking   -1.7 (-12, 1.7)     Missing   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D self-care at 30 day follow-up     I have no problems with self-care   -17 (-38, -8)   0.82 (0.61, 0.94)     I have some problems with self-care   -17 (-38, -8)   0.82 (0.61, 0.94)     I have some problems bathing or dressing myself   10 (-6, 30)     I am unable to bathe or dress myself   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D usual activities at 30 day follow-up     I have no problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)     I have some problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)     I am unable to perform my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)     I am unable to perform my usual activities   -6 (-61, 8, 24)   2.94 (1.7, 13.89)     Missing   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D pain/discomfort at 30 day follow-up     I have no pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)     I have enderate pain or discomfort   -6 (-8, 28)   1.43 (0.67, 12)     I have extreme pain or discomfort   -7 (-65, 8)   0.53 (0.05, 2.14)     EQ-5D anxiety/depression at 30 day follow-up     I am not anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)     I am extremely anxious or depressed   -16 (-0.06, 34.4)   4.1 (0.87, 23.75)     I am extremely anxious or depressed   -15 (-35, 8)   0.53 (0.05, 2.14)     Patient satisfaction   -15 (-35, 8)   0.53 (0.05, 2.14)     Very dissatisfied   -15 (-35, 8)   0.53 (0.05, 2.14)     Very dissatisfied   -10 (-27, 21, 24)   1.33 (0, 13)     Very dissatisfied   -10 (-27, 21, 24)   1.33 (0, 13)     Very dissatisfied   -10 (-27, 21, 24)   1.33 (0, 13)     Very dissatisfied   -10 (-27, 21, 24)   1.33 (0, 13)     Very dissatisfied   -20 (-67, 9) (-70, 0.75)     EQ-5D health state at dischar	I am not anxious or depressed	-12 (-43, -4)	0.87 (0.55, 0.96)
Missing   Fig. 25   Dec   De	I am moderately anxious or depressed	12 (1.7, 42.8)	$3.4\ (1.17,\ 22.31)$
FQ-5D mobility at 30 day follow-up   I have no problems in walking   20 (11.9, 55)   1 am confined to bed   -1.7 (-12, 1.7)   Missing   20 (11.9, 55)   1 am confined to bed   -1.7 (-65, 8)   0.53 (0.05, 2.14)   FQ-5D self-care at 30 day follow-up   I have no problems with self-care   -17 (-38, -8)   0.82 (0.61, 0.94)   I have some problems bathing or dressing myself   10 (-6, 30)   2.94 (1.65, 13.89)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   FQ-5D usual activities at 30 day follow-up   I have no problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)   I have some problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)   1 am unable to perform my usual activities   -7 (-65, 8)   0.53 (0.05, 2.14)   FQ-5D usual activities   -7 (-65, 8)   0.53 (0.05, 2.14)   FQ-5D pain/discomfort at 30 day follow-up   I have no problems in performing my usual activities   -7 (-65, 8)   0.53 (0.05, 2.14)   FQ-5D pain/discomfort at 30 day follow-up   I have no pain or discomfort   -6 (-29, 7)   0.93 (0.69, 1.11)   I have moderate pain or discomfort   -6 (-8, 28)   1.43 (0.67, 12)   I have extreme pain or discomfort   -6 (-8, 28)   1.43 (0.67, 12)   I have extreme pain or discomfort   -7 (-65, 8)   0.53 (0.05, 2.14)   FQ-5D anxiety/depression at 30 day follow-up   I am not anxious or depressed   11.6 (-0.06, 34.4)   4.41 (0.87, 23.75)   I am extremely anxious or depressed   11.6 (-0.06, 34.4)   4.41 (0.87, 23.75)   I am extremely anxious or depressed   0 (-4.8, 0)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   FA-5D health state at discharge   -15 (-35, 8)   0.84 (0.65, 1.16)   0.80 (0.50, 0.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70, 2.75)   0.90 (0.70,	I am extremely anxious or depressed	0 (-6.8, 0)	
I have no problems in walking	Missing	-3 (-51, 9)	$0.77 \ (0.11, \ 2.25)$
I have some problems in walking			
I am confined to bed   -1.7 (-12, 1.7)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)	•	. ` ′ ′	$0.82 \ (0.45, \ 0.98)$
Missing			
CQ-5D self-care at 30 day follow-up   1 have no problems with self-care   17 (-38, -8)   0.82 (0.61, 0.94)   1 have some problems bathing or dressing myself   10 (-6, 30)   1 am unable to bathe or dress myself   6.6 (2.4, 24.3)   2.94 (1.65, 13.89)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   1		` ' . '	0.70 (0.07 0.14)
I have no problems with self-care	9	-7 (-65, 8)	$0.53 \ (0.05, \ 2.14)$
I have some problems bathing or dressing myself I am unable to bathe or dress myself  EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I am unable to performing my usual activities I and unable to perform my usual activities I and unable to performing my usual activities I and unable to performing my usual activities I and unable to perfore definition of the fell unable to perform of definition of the fell unable to perform of definition of the fell unable to perform of definition of definition of the general definition of the fell unable to perform of definition of the fell unable to perform of definition of the fell unable to perform of definition of the fell unable to		17 ( 20 0)	0.99 (0.61, 0.04)
I am unable to bathe or dress myself   6.6 (2.4, 24.3)   2.94 (1.65, 13.89)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D usual activities at 30 day follow-up   I have no problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)   I am unable to perform my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)   I am unable to perform my usual activities   6.6 (1.8, 24)   2.94 (1.7, 13.89)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D pain/discomfort at 30 day follow-up   I have no pain or discomfort   6 (-8, 28)   0.53 (0.05, 2.14)   EQ-5D pain/discomfort   6 (-8, 28)   1.43 (0.67, 12)   I have extreme pain or discomfort   0 (-6, 6)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D anxiety/depression at 30 day follow-up   I am not anxious or depressed   11.6 (-0.06, 34.4)   4.41 (0.87, 23.75)   I am extremely anxious or depressed   0 (-4.8, 0)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D anxietsfaction   Very satisfied   -15 (-35, 8)   0.84 (0.65, 1.16)   Somewhat satisfied   4.2 (-7.79, 15.31)   Very dissatisfied   -8 (-44, 8)   0.27 (0, 2.75)   EQ-5D health state at discharge   -8 (-44, 8)   0.27 (0, 2.75)   EQ-5D health state at discharge   -9 (-55, 10)   0.53 (0.08, 1.92)   EQ-5D health state at 30 day follow-up   -17 (-91, 0)   0.83 (0.09, 1)   Missing   -9 (-67, 9)   0.47 (0.04, 2.25)   Cost of treatment   3500 (0, 33000)   3.33 (1, 55.56)   Cost of treatment   4.2 (-7.79, 15.56)   Cost of treatment			0.82 (0.61, 0.94)
Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         EQ-5D usual activities at 30 day follow-up       -20 (-46, -12)       0.79 (0.53, 0.88)         I have no problems in performing my usual activities       13.3 (5, 38)       8.82 (9.31, 21.11)         I am unable to perform my usual activities       6.6 (1.8, 24)       2.94 (1.7, 13.89)         Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         EQ-5D pain/discomfort at 30 day follow-up       -6 (-29, 7)       0.93 (0.69, 1.11)         I have no pain or discomfort       6 (-8, 28)       1.43 (0.67, 12)         I have extreme pain or discomfort       0 (-6.6, 0)       0.53 (0.05, 2.14)         EQ-5D anxiety/depression at 30 day follow-up       I am not anxious or depressed       1.12 (-34, -3)       0.88 (0.65, 0.98)         I am moderately anxious or depressed       1.16 (-0.06, 34.4)       4.41 (0.87, 23.75)         I am extremely anxious or depressed       0 (-4.8, 0)       0.53 (0.05, 2.14)         Patient satisfaction       -7 (-65, 8)       0.53 (0.05, 2.14)         Very satisfied       -15 (-35, 8)       0.84 (0.65, 1.16)         Somewhat satisfied       -2.28 (0.93, 12.14)         Very dissatisfied       4.2 (-7.79, 15.31)       1.33 (0, 13)         Very dissatisfied       4.2 (-7.79, 15.31)       1.33 (0, 13)         Nu		The state of the s	2 04 (1 65 13 80)
EQ-5D usual activities at 30 day follow-up   I have no problems in performing my usual activities   -20 (-46, -12)   0.79 (0.53, 0.88)   I have some problems in performing my usual activities   13.3 (5, 38)   8.82 (9.31, 21.11)   1 am unable to perform my usual activities   6.6 (1.8, 24)   2.94 (1.7, 13.89)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D pain/discomfort at 30 day follow-up   I have no pain or discomfort   6 (-29, 7)   0.93 (0.69, 1.11)   I have moderate pain or discomfort   6 (-8, 28)   1.43 (0.67, 12)   I have extreme pain or discomfort   0 (-66, 0)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D anxiety/depression at 30 day follow-up   I am not anxious or depressed   -12 (-34, -3)   0.88 (0.65, 0.98)   I am moderately anxious or depressed   0 (-4.8, 0)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D anxiety/depression at 30 day follow-up   I am extremely anxious or depressed   0 (-4.8, 0)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D anxiety/depression   0 (-4.8, 0)   Missing   -7 (-65, 8)   0.53 (0.05, 2.14)   EQ-5D (-15, 1.15)			*
I have no problems in performing my usual activities I have some problems in performing my usual activities I am unable to perform my usual activities I am unable to perform my usual activities Missing General activities G		-7 (-00, 0)	0.55 (0.05, 2.14)
I have some problems in performing my usual activities I a.3 (5, 38) 8.82 (9.31, 21.11) I am unable to perform my usual activities 6.6 (1.8, 24) 2.94 (1.7, 13.89) Missing -7 (-65, 8) 0.53 (0.05, 2.14) EQ-5D pain/discomfort at 30 day follow-up I have no pain or discomfort 6 (-8, 28) 1.43 (0.67, 12) I have extreme pain or discomfort 0 (-6.6, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14) EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed 11.6 (-0.06, 34.4) 4.41 (0.87, 23.75) I am extremely anxious or depressed 0 (-4.8, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14) Patient satisfaction Very satisfied 1.5 (-7.3 (-2.4, 26.7) 2.28 (0.93, 12.14) Somewhat dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-7.71, 24) 1.33 (0, 13) Number of hospitalizations for this injury Missing -8 (-44, 8) 0.27 (0, 2.75) EQ-5D health state at discharge -9 (-55, 10) 0.53 (0.09, 1) Missing -9 (-67, 9) 0.47 (0.04, 2.25) Cost of treatment 3500 (0, 33000) 3.33 (1, 55.56)		-20 (-46, -12)	0.79 (0.53, 0.88)
I am unable to perform my usual activities		` . ''	
Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         EQ-5D pain/discomfort at 30 day follow-up       I have no pain or discomfort       -6 (-29, 7)       0.93 (0.69, 1.11)         I have moderate pain or discomfort       6 (-8, 28)       1.43 (0.67, 12)         I have extreme pain or discomfort       0 (-6.6, 0)       1.43 (0.67, 12)         Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         EQ-5D anxiety/depression at 30 day follow-up       1 am not anxious or depressed       -12 (-34, -3)       0.88 (0.65, 0.98)         I am moderately anxious or depressed       11.6 (-0.06, 34.4)       4.41 (0.87, 23.75)         I am extremely anxious or depressed       0 (-4.8, 0)       4.41 (0.87, 23.75)         Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         Patient satisfaction       Very satisfied       -15 (-35, 8)       0.84 (0.65, 1.16)         Somewhat satisfied       7.3 (-2.4, 26.7)       2.28 (0.93, 12.14)         Somewhat dissatisfied       4.2 (-7.79, 15.31)       4.2 (-3, 17)         Missing       4.2 (-3, 17)       1.33 (0, 13)         Number of hospitalizations for this injury       Missing       8 (-44, 8)       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53		* * *	
I have no pain or discomfort I have moderate pain or discomfort I have extreme pain or 6.8 (0.65, 0.98) I have extreme pain or discomfort I have extreme pain or 6.8 (0.65, 0.98) I have extreme pain or 6.8 (0.65, 0.9		1 1 1	
I have moderate pain or discomfort 6 (-8, 28) 1.43 (0.67, 12) I have extreme pain or discomfort 0 (-6.6, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14)  EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed -12 (-34, -3) 0.88 (0.65, 0.98) I am moderately anxious or depressed 11.6 (-0.06, 34.4) 4.41 (0.87, 23.75) I am extremely anxious or depressed 0 (-4.8, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14)  Patient satisfaction Very satisfied -15 (-35, 8) 0.84 (0.65, 1.16) Somewhat satisfied 7.3 (-2.4, 26.7) 2.28 (0.93, 12.14) Somewhat dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-3, 17) Missing 1 (-27.21, 24) 1.33 (0, 13)  Number of hospitalizations for this injury Missing -8 (-44, 8) 0.27 (0, 2.75) EQ-5D health state at discharge -25 (-85, 15) 0.72 (0.06, 1.39) Missing -9 (-55, 10) 0.53 (0.08, 1.92) EQ-5D health state at 30 day follow-up -17 (-91, 0) 0.83 (0.09, 1) Missing -9 (-67, 9) 0.47 (0.04, 2.25) Cost of treatment 3500 (0, 33000) 3.33 (1, 55.56)	EQ-5D pain/discomfort at 30 day follow-up	, , ,	,
I have extreme pain or discomfort 0 (-6.6, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14)  EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed -12 (-34, -3) 0.88 (0.65, 0.98) I am moderately anxious or depressed 11.6 (-0.06, 34.4) 4.41 (0.87, 23.75) I am extremely anxious or depressed 0 (-4.8, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14)  Patient satisfaction Very satisfied -15 (-35, 8) 0.84 (0.65, 1.16) Somewhat satisfied 7.3 (-2.4, 26.7) 2.28 (0.93, 12.14) Somewhat dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-3, 17) Missing 1 (-27.21, 24) 1.33 (0, 13) Number of hospitalizations for this injury Missing -8 (-44, 8) 0.27 (0, 2.75) EQ-5D health state at discharge -25 (-85, 15) 0.72 (0.06, 1.39) Missing -9 (-55, 10) 0.53 (0.08, 1.92) EQ-5D health state at 30 day follow-up -17 (-91, 0) 0.83 (0.09, 1) Missing -9 (-67, 9) 0.47 (0.04, 2.25) Cost of treatment 3500 (0, 33000) 3.33 (1, 55.56)	I have no pain or discomfort	-6 (-29, 7)	0.93 (0.69, 1.11)
Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         EQ-5D anxiety/depression at 30 day follow-up       I am not anxious or depressed       -12 (-34, -3)       0.88 (0.65, 0.98)         I am moderately anxious or depressed       11.6 (-0.06, 34.4)       4.41 (0.87, 23.75)         I am extremely anxious or depressed       0 (-4.8, 0)         Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         Patient satisfaction         Very satisfied       -15 (-35, 8)       0.84 (0.65, 1.16)         Somewhat satisfied       7.3 (-2.4, 26.7)       2.28 (0.93, 12.14)         Somewhat dissatisfied       4.2 (-7.79, 15.31)       Very dissatisfied       4.2 (-3, 17)       1.33 (0, 13)         Very dissatisfied       4.2 (-3, 17)       1.33 (0, 13)       Number of hospitalizations for this injury         Missing       -8 (-44, 8)       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)	I have moderate pain or discomfort	6 (-8, 28)	$1.43\ (0.67,\ 12)$
EQ-5D anxiety/depression at 30 day follow-up I am not anxious or depressed I am moderately anxious or depressed I am extremely anxious or depressed I am extremely anxious or depressed I 11.6 (-0.06, 34.4) I am extremely anxious or depressed I 11.6 (-0.06, 34.4) I am extremely anxious or depressed I 11.6 (-0.06, 34.4) I am extremely anxious or depressed I 11.6 (-0.06, 34.4) I an extremely anxious or depressed I an extremely anxious or depressed I an extremely anxious or depressed I 11.6 (-0.06, 34.4) I an extremely anxious or depressed I an extremely anxious or		0 (-6.6, 0)	
I am not anxious or depressed       -12 (-34, -3)       0.88 (0.65, 0.98)         I am moderately anxious or depressed       11.6 (-0.06, 34.4)       4.41 (0.87, 23.75)         I am extremely anxious or depressed       0 (-4.8, 0)         Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         Patient satisfaction         Very satisfied       -15 (-35, 8)       0.84 (0.65, 1.16)         Somewhat satisfied       7.3 (-2.4, 26.7)       2.28 (0.93, 12.14)         Somewhat dissatisfied       4.2 (-7.79, 15.31)         Very dissatisfied       4.2 (-3, 17)       1.33 (0, 13)         Number of hospitalizations for this injury       5       6.44, 8       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)		-7 (-65, 8)	$0.53 \ (0.05, \ 2.14)$
I am moderately anxious or depressed 11.6 (-0.06, 34.4) 4.41 (0.87, 23.75) I am extremely anxious or depressed 0 (-4.8, 0) Missing -7 (-65, 8) 0.53 (0.05, 2.14) Patient satisfaction  Very satisfied -15 (-35, 8) 0.84 (0.65, 1.16) Somewhat satisfied 7.3 (-2.4, 26.7) 2.28 (0.93, 12.14) Somewhat dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-7.79, 15.31) Very dissatisfied 4.2 (-3, 17) Missing 1 (-27.21, 24) 1.33 (0, 13) Number of hospitalizations for this injury Missing -8 (-44, 8) 0.27 (0, 2.75) EQ-5D health state at discharge -25 (-85, 15) 0.72 (0.06, 1.39) Missing -9 (-55, 10) 0.53 (0.08, 1.92) EQ-5D health state at 30 day follow-up 1-17 (-91, 0) 0.83 (0.09, 1) Missing -9 (-67, 9) 0.47 (0.04, 2.25) Cost of treatment 3500 (0, 33000) 3.33 (1, 55.56)			
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Missing       -7 (-65, 8)       0.53 (0.05, 2.14)         Patient satisfaction         Very satisfied       -15 (-35, 8)       0.84 (0.65, 1.16)         Somewhat satisfied       7.3 (-2.4, 26.7)       2.28 (0.93, 12.14)         Somewhat dissatisfied       4.2 (-7.79, 15.31)         Very dissatisfied       4.2 (-3, 17)         Missing       1 (-27.21, 24)       1.33 (0, 13)         Number of hospitalizations for this injury       Missing       -8 (-44, 8)       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)			$4.41 \ (0.87, \ 23.75)$
Patient satisfaction         Very satisfied       -15 (-35, 8)       0.84 (0.65, 1.16)         Somewhat satisfied       7.3 (-2.4, 26.7)       2.28 (0.93, 12.14)         Somewhat dissatisfied       4.2 (-7.79, 15.31)         Very dissatisfied       4.2 (-3, 17)         Missing       1 (-27.21, 24)       1.33 (0, 13)         Number of hospitalizations for this injury       Somewhat dissatisfied       -8 (-44, 8)       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)			0.53 (0.05, 0.14)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	9	-7 (-65, 8)	0.53 (0.05, 2.14)
Somewhat satisfied       7.3 (-2.4, 26.7)       2.28 (0.93, 12.14)         Somewhat dissatisfied       4.2 (-7.79, 15.31)         Very dissatisfied       4.2 (-3, 17)         Missing       1 (-27.21, 24)       1.33 (0, 13)         Number of hospitalizations for this injury         Missing       -8 (-44, 8)       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)		15 ( 25 0)	0.84 (0.65 1.16)
Somewhat dissatisfied       4.2 (-7.79, 15.31)         Very dissatisfied       4.2 (-3, 17)         Missing       1 (-27.21, 24)       1.33 (0, 13)         Number of hospitalizations for this injury         Missing       -8 (-44, 8)       0.27 (0, 2.75)         EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)	· ·		
Very dissatisfied         4.2 (-3, 17)           Missing         1 (-27.21, 24)         1.33 (0, 13)           Number of hospitalizations for this injury         -8 (-44, 8)         0.27 (0, 2.75)           EQ-5D health state at discharge         -25 (-85, 15)         0.72 (0.06, 1.39)           Missing         -9 (-55, 10)         0.53 (0.08, 1.92)           EQ-5D health state at 30 day follow-up         -17 (-91, 0)         0.83 (0.09, 1)           Missing         -9 (-67, 9)         0.47 (0.04, 2.25)           Cost of treatment         3500 (0, 33000)         3.33 (1, 55.56)			2.20 (0.93, 12.14)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		the state of the s	1.33 (0. 13)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	9	- ( - : :=== ; ===)	(0, 10)
EQ-5D health state at discharge       -25 (-85, 15)       0.72 (0.06, 1.39)         Missing       -9 (-55, 10)       0.53 (0.08, 1.92)         EQ-5D health state at 30 day follow-up       -17 (-91, 0)       0.83 (0.09, 1)         Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)		-8 (-44, 8)	0.27 (0, 2.75)
Missing $-9$ (-55, 10) $0.53$ ( $0.08$ , $1.92$ )         EQ-5D health state at 30 day follow-up $-17$ (-91, 0) $0.83$ ( $0.09$ , 1)         Missing $-9$ (-67, 9) $0.47$ ( $0.04$ , $2.25$ )         Cost of treatment $3500$ ( $0.33000$ ) $3.33$ ( $1.55.56$ )	9	1 1 1	
Missing       -9 (-67, 9)       0.47 (0.04, 2.25)         Cost of treatment       3500 (0, 33000)       3.33 (1, 55.56)			$0.53 \ (0.08, \ 1.92)$
Cost of treatment 3500 (0, 33000) 3.33 (1, 55.56)	EQ-5D health state at 30 day follow-up	-17 (-91, 0)	0.83 (0.09, 1)
		-9 (-67, 9)	$0.47 \ (0.04,  2.25)$
Missing 0 (-95.49, 70) 1 (0.11, 4.45)		. * *	
	Missing	0 (-95.49, 70)	1 (0.11, 4.45)

Absolute and relative differences in changes from baseline for all outcomes, comparing standard care with  $\operatorname{ATLS}$ 

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	9.6 (-25.64, 31.44)	
No	-9 (-31, 26)	
Missing	23 (-9.51, 43)	
24 hour mortality Yes	24(080)	
No	-2.4 (-9.8, 0) 2 (-3, 10)	
Missing	7 (-1, 18)	
In-hospital mortality	<i>i</i> (-1, 10)	
Yes	3.4 (-16.6, 21.53)	
No	-3 (-22, 16)	
Missing	1 (-3.52, 5)	2(0.5, 5)
Self-ambulatory at discharge		
Yes	-4 (-38, 4)	
No	4.7 (-3.7, 38)	
Missing	22 (-31, 39.93)	
Return to work		
Yes	37 (18, 86)	
No	-37 (-86, -19)	
Missing	45 (-39, 71)	
Pulmonary complication	0 ( 10 0)	
Yes No.	0 (-12, 0)	
No Missing	0 (-10, 2)	
Missing Septic complication	32 (-33, 51.17)	
Septic complication Yes	-1.7 (-12.85, 5.17)	
No	1 (-8, 10)	
Missing	33 (-36, 53.18)	
Renal failure	35 ( 35, 35.15)	
Yes		
No		
Missing	31 (-34, 50.16)	
Coagulopathy		
Yes	-4.3 (-16, 0)	
No	4(0, 16)	
Missing	32 (-34, 51.29)	
Need for reexploration or resurgery		
Yes	2.5 (-3.8, 10.29)	
No	-3 (-11, 1)	20 5 (5 0 50)
Missing	39 (-43, 63.27)	20.5 (7.8, 58)
Failure of conservative management No	6 (0, 26)	
Yes	6 (0, 26) -6.3 (-26, -1.5)	
Missing	49 (33, 66)	
EQ-5D mobility at discharge	15 (55, 55)	
I have no problems in walking	-22 (-78, -6)	
I have some problems in walking	-1.7 (-26.99, 20.5)	
I am confined to bed	23 (7.18, 63)	
Missing	35 (-51.8, 60.45)	
EQ-5D self-care at discharge	,	
I have no problems with self-care	-18 (-56, 6)	
I have some problems bathing or dressing myself	22 (-5, 59)	
I am unable to bathe or dress myself	-4 (-42.7, 17.31)	
Missing	35 (-51.8, 60.45)	
EQ-5D usual activities at discharge	10 (04 17)	
I have no problems in performing my usual activities	-18 (-64, 15)	
I have some problems in performing my usual activities	13 (-21.42, 46.56)	
I am unable to perform my usual activities	5 (-12.9, 45) 35 (-51.8, 60.45)	
Missing EQ-5D pain/discomfort at discharge	35 (-51.8, 60.45)	
I have no pain or discomfort	-25 (-66.11, 51)	
I have no pain or discomfort I have moderate pain or discomfort	11 (-43, 52.7)	
I have extreme pain or discomfort	14 (-8, 37.6)	
Missing	35 (-51.8, 60.45)	
EQ-5D anxiety/depression at discharge	00 (01.0, 00.40)	
I am not anxious or depressed	-20 (-73, -4)	0.39 (-30, 1.56)
I am moderately anxious or depressed	21.8 (6, 68)	0.34 (-264, 1.29)
I am extremely anxious or depressed	-0.9 (-9.42, 5.6)	( - ,/
Missing	35 (-51.8, 60.45)	
	55 ( 52.5, 56.10)	

EQ-5D mobility at 30 day follow-up		
I have no problems in walking	-1 (-42, 28)	
I have some problems in walking	1 (-33, 27)	
I am confined to bed	-0.1 (-29.57, 36.4)	
Missing	51 (-40, 74)	
EQ-5D self-care at 30 day follow-up		
I have no problems with self-care	11 (-6, 59)	
I have some problems bathing or dressing myself	15.5 (-8.77, 58.1)	
I am unable to bathe or dress myself	-27.1 (-60.9, -19.65)	
Missing	51 (-40, 74)	
EQ-5D usual activities at 30 day follow-up		
I have no problems in performing my usual activities	35 (14, 76)	
I have some problems in performing my usual activities	-22 (-64, -9.9)	
I am unable to perform my usual activities	-12.8 (-38.4, -6.2)	
Missing	51 (-40, 74)	
EQ-5D pain/discomfort at 30 day follow-up		
I have no pain or discomfort	-8 (-74.56, 15)	
I have moderate pain or discomfort	6 (-18, 58.86)	
I have extreme pain or discomfort	2 (-6.57, 11.06)	
Missing	51 (-40, 74)	
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	13 (-14, 45)	
I am moderately anxious or depressed	-14.3 (-39.4, 1.3)	
I am extremely anxious or depressed	1 (-5.8, 9.6)	
Missing	51 (-40, 74)	
Patient satisfaction		
Very satisfied	-12 (-45.57, 27)	
Somewhat satisfied	14 (3.16, 53.3)	0.39 (-27.05, 2.55)
Somewhat dissatisfied	-2.5 (-17.13, 10.9)	
Very dissatisfied	-1 (-21.48, 17.3)	
Missing	19 (-29, 36)	
Number of hospitalizations for this injury	0 (-1, -1)	
Missing	39 (29, 57)	
EQ-5D health state at discharge	-5 (-68.92, 60)	
Missing	33 (-38, 62.24)	
EQ-5D health state at 30 day follow-up	90 (86, 116)	
Missing	49 (-35, 77)	
Cost of treatment	-9500 (-74630.2, 10549.64)	
Missing	60 (-66, 95)	$9.57 \ (0.05, 94)$

#### Absolute and relative differences in changes from baseline for all outcomes, comparing standard care with ${\operatorname{PTC}}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	18.5 (14.1, 44.3)	
No	-18 (-44, -14)	
Missing	19 (-14.83, 37)	
24 hour mortality	,	
Yes	-2.4 (-9.8, 0)	
No	2 (0, 10)	
Missing	4 (-10, 12)	
In-hospital mortality	, ,	
Yes	10 (3.8, 25.8)	
No	-10 (-26, -5)	
Missing	2 (-1, 6)	
Self-ambulatory at discharge	· , ,	
Yes	3 (-10, 40.7)	
No	-2.4 (-40.06, 10.2)	
Missing	27 (15.73, 49)	
Return to work	, ,	
Yes	16 (-61, 54)	
No	-16 (-56, 57.88)	
Missing	43 (-6, 69.51)	
Pulmonary complication	, ,	
Yes	2.2 (0, 10)	
No	-2 (-10, 0)	
Missing	32 (-3, 52)	

Septic complication		
Yes	-0.5 (-7.44, 7.44)	
No	0 (-9, 5)	
Missing	34 (-2, 55)	
Renal failure		
Yes N-		
No Missing	32 (-2, 51)	
Coagulopathy	32 (-2, 31)	
Yes	0 (-17.31, 4.2)	
No	0 (-17, 0)	
Missing	33 (-2, 52)	
Need for reexploration or resurgery		
Yes	3 (-0.1, 10.7)	
No Minima	-3 (-11, -1)	
Missing Failure of conservative management	41 (-1, 64)	
No	-2 (-27, 4)	
Yes	2.3 (-4.1, 27.3)	
Missing	41 (-42, 64)	
EQ-5D mobility at discharge		
I have no problems in walking	-9 (-45, 37.2)	
I have some problems in walking	8 (-10.76, 43.6)	
I am confined to bed	-0.4 (-71.7, 22)	
Missing EQ-5D self-care at discharge	44 (33, 74)	
I have no problems with self-care	-14 (-67.77, 24)	
I have some problems bathing or dressing myself	19.7 (-9.7, 62.13)	
I am unable to bathe or dress myself	-6.4 (-47, 21)	
Missing	44 (33, 74)	
EQ-5D usual activities at discharge		
I have no problems in performing my usual activities	-16 (-72.97, 22)	
I have some problems in performing my usual activities I am unable to perform my usual activities	16.7 (-15, 65.46) 0.1 (-34, 32.74)	
Missing	44 (33, 74)	
EQ-5D pain/discomfort at discharge	11 (00, 11)	
I have no pain or discomfort	-39 (-78.7, -13)	
I have moderate pain or discomfort	27 (0, 61)	
I have extreme pain or discomfort	11.4 (-3.77, 36.29)	
Missing	44 (33, 74)	
EQ-5D anxiety/depression at discharge I am not anxious or depressed	-9 (-45.55, 37.45)	0.59 (0, 9.18)
I am moderately anxious or depressed	7.8 (-42.26, 43.34)	0.59 (0.03, 12.41)
I am extremely anxious or depressed	1.5 (-2, 13.5)	, ,
Missing	44 (33, 74)	
EQ-5D mobility at 30 day follow-up		
I have no problems in walking	5 (-35, 49)	
I have some problems in walking I am confined to bed	11 (-16, 83)	
Missing	-16.5 (-82.9, 0) 48 (-7, 76.59)	
EQ-5D self-care at 30 day follow-up	10 (1, 10.00)	
I have no problems with self-care	2 (-65.02, 32)	
I have some problems bathing or dressing myself	13.2 (-14.34, 87.99)	
I am unable to bathe or dress myself	-15.8 (-44.79, 21.8)	
Missing	48 (-7, 76.59)	
EQ-5D usual activities at 30 day follow-up I have no problems in performing my usual activities	6 (-70, 32)	
I have some problems in performing my usual activities	-4 (-21.6, 47.5)	
I am unable to perform my usual activities	-1.5 (-17, 36.26)	
Missing	48 (-7, 76.59)	
EQ-5D pain/discomfort at 30 day follow-up		
I have no pain or discomfort	-4 (-61.12, 34.64)	
I have moderate pain or discomfort	0 (-48, 45)	
I have extreme pain or discomfort Missing	4.3 (2.1, 12.9) 48 (-7, 76.59)	
EQ-5D anxiety/depression at 30 day follow-up	±0 (-1, 10.03)	
I am not anxious or depressed	-13 (-60, 8)	
I am moderately anxious or depressed	9.3 (-11.4, 60.2)	
I am extremely anxious or depressed	3.3 (2, 12.9)	
Missing  Patient satisfaction	48 (-7, 76.59)	
Patient satisfaction Very satisfied	-18 (-66, 6)	
very bandined	-10 (-00, 0)	

Somewhat satisfied	1.3 (-41.15, 30.03)
Somewhat dissatisfied	5.6 (-3.77, 19.4)
Very dissatisfied	11 (4.3, 25)
Missing	24 (15, 48)
Number of hospitalizations for this injury	0 (-1, -1)
Missing	29 (-33.53, 52)
EQ-5D health state at discharge	-10 (-90, 39)
Missing	35 (-3, 59)
EQ-5D health state at 30 day follow-up	73 (15, 114)
Missing	45 (-8, 73.22)
Cost of treatment	-10975 (-81672.96, 7582.31)
Missing	64 (-2, 103)

#### Absolute and relative differences in changes from baseline for all outcomes, comparing ATLS with $\operatorname{PTC}$

Outcome	Absolute difference	Relative difference
30 day mortality		
Yes	8.9 (-12.57, 32.12)	
No	-9 (-32.63, 12)	
Missing	-4 (-37, 7)	
24 hour mortality		
Yes	0 (-12, 0)	
No	0 (-11, 0)	
Missing	-3 (-15, 3)	
In-hospital mortality	- ( -, -,	
Yes	6.6 (-4.2, 24.9)	
No	-7 (-25, 2)	
Missing	1 (-2, 6)	
Self-ambulatory at discharge	1 (2, 0)	
Yes	7 (0, 41)	
No	-7.1 (-41.1, -0.7)	
Missing	5 (-25, 33)	
Return to work	5 (-25, 55)	
Yes	21 ( 20, 10)	
	-21 (-89, 10)	
No M:	21 (-12, 89)	
Missing	-2 (-66, 41)	
Pulmonary complication	2.2 (2.42)	
Yes	2.2 (0, 10)	
No	-2 (-10, 0)	
Missing	0 (-47, 36)	
Septic complication		
Yes	1.2 (-3.75, 13.86)	
No	-1 (-14, 3)	
Missing	1 (-44.28, 39)	
Renal failure		
Yes		
No		
Missing	1 (-41.9, 37)	
Coagulopathy		
Yes	4.3 (0, 16)	
No	-4 (-16, 0)	
Missing	1 (-42.61, 38)	
Need for reexploration or resurgery		
Yes	0.5 (-6.1, 5.2)	
No	0 (-5, 6)	
Missing	2 (-46, 49)	
Failure of conservative management	( - / - /	
No	-8 (-28, -2)	
Yes	8.6 (2.1, 28.5)	
Missing	-8 (-67, 9)	
EQ-5D mobility at discharge	0 (01,0)	
I have no problems in walking	13 (-12, 72)	
I have some problems in walking	9.7 (-7.7, 45)	
I am confined to bed	-23.4 (-57.5, -1.76)	
Missing	9 (-39, 51)	
9	9 (-39, 31)	
EQ-5D self-care at discharge	4 ( 22 10 50 2)	
I have no problems with self-care	4 (-32.19, 58.2)	

I have some problems bathing or dressing myself	-2.3 (-50.44, 25.2)	
I am unable to bathe or dress myself	-2.4 (-38, 33)	
Missing	9 (-39, 51)	
EQ-5D usual activities at discharge	2 ( 22 72 22)	
I have no problems in performing my usual activities	2 (-36, 56.83)	
I have some problems in performing my usual activities	3.7 (-34.93, 48)	
I am unable to perform my usual activities	-4.9 (-51.52, 21)	
Missing	9 (-39, 51)	
EQ-5D pain/discomfort at discharge	14 ( 65 95 40)	
I have no pain or discomfort	-14 (-65.85, 40)	
I have moderate pain or discomfort	16 (-23, 70)	
I have extreme pain or discomfort Missing	-2.6 (-30, 6.85) 9 (-39, 51)	
EQ-5D anxiety/depression at discharge	9 (-39, 31)	
I am not anxious or depressed	11 (-15, 70)	1.5 (0.5, 35)
I am moderately anxious or depressed	-14 (-67.3, 8.2)	1.74 (0.56, 28.5)
I am extremely anxious or depressed	2.4 (0, 11.4)	1.74 (0.00, 20.0)
Missing	9 (-39, 51)	
EQ-5D mobility at 30 day follow-up	9 (-39, 31)	
I have no problems in walking	6 (-34, 57)	1.86 (0.3, 44)
I have some problems in walking	10 (-16, 87.6)	1.00 (0.0, 44)
I am confined to bed	-16.4 (-101.8, 2.94)	
Missing	-3 (-72, 40)	
EQ-5D self-care at 30 day follow-up	0 (12, 10)	
I have no problems with self-care	-9 (-93, 16)	
I have some problems bathing or dressing myself	-2.3 (-39.42, 30.96)	
I am unable to bathe or dress myself	11.3 (-7.7, 62.3)	
Missing	-3 (-72, 40)	
EQ-5D usual activities at 30 day follow-up	s ( · -, -s)	
I have no problems in performing my usual activities	-29 (-66, 7)	
I have some problems in performing my usual activities	18 (-1.3, 44.9)	
I am unable to perform my usual activities	11.3 (1.1, 34.5)	
Missing	-3 (-72, 40)	
EQ-5D pain/discomfort at 30 day follow-up	, , ,	
I have no pain or discomfort	4 (-39.62, 56.63)	
I have moderate pain or discomfort	-6 (-62.71, 31)	
I have extreme pain or discomfort	2.3(0,12)	
Missing	-3 (-72, 40)	
EQ-5D anxiety/depression at 30 day follow-up		
I am not anxious or depressed	-26 (-49, -17.47)	
I am moderately anxious or depressed	$23.6\ (12.2,\ 46)$	
I am extremely anxious or depressed	2.3(0, 11)	
Missing	-3 (-72, 40)	
Patient satisfaction		
Very satisfied	-6 (-47.26, 25)	
Somewhat satisfied	-12.7 (-57.2, 2.75)	
Somewhat dissatisfied	8.1 (0.9, 30)	
Very dissatisfied	12 (4.2, 26)	
Missing	5 (-22, 30)	
Number of hospitalizations for this injury	0 (-1, -0.5)	
Missing	-10 (-55, 11)	
EQ-5D health state at discharge	-5 (-78.91, 41.66)	
Missing	2 (-44.02, 42)	
EQ-5D health state at 30 day follow-up Missing	-17 (-109, 20)	
Cost of treatment	-4 (-71, 18) -1475 (-33639.83, 29927.2)	
Missing	4 (-75, 76)	
Missing	4 (-10, 10)	