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Supplemental Table 3. Regression coefficients in univariable linear mixed models for the EQ-5D utility and the EQ-VAS and odds ratios in univariable logistic mixed models for the dimensions of HS.

	During the first two years after injury							
	Linear regression coefficients (95% CI)		Odds Ratios (95% CI)					
	EQ-5D utility	EQ-VAS	Mobility	Self-care	Usual activities	Pain/discomfort	Anxiety/ depression	Cognition
Female sex	-0.11 (-0.12, -0.10)*	-6.37 (-7.42, -5.32)*	4.57 (3.73, 5.61)*	3.04 (2.62, 3.53)*	3.20 (2.78, 3.68)*	2.46 (2.15, 2.82)*	4.28 (3.48, 5.28)*	4.95 (3.71, 6.60)*
Age (years)								
18 - 24	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
25 - 44	-0.03 (-0.07, 0.01)	-1.59 (-4.66, 1.47)	2.08 (1.18, 3.64)*	1.59 (1.03, 2.46)*	1.83 (1.22, 2.74)*	1.72 (1.15, 2.59)*	0.93 (0.52, 1.67)	0.71 (0.34, 1.52)
45 - 64	-0.02 (-0.06, 0.01)	-3.69 (-6.50, -0.88)*	4.59 (2.74, 7.68)*	2.08 (1.40, 3.10)*	1.86 (1.29, 2.69)*	1.82 (1.26, 2.63)*	0.58 (0.34, 0.98)*	0.43 (0.22, 0.86)*
65 - 74	-0.02 (-0.06, 0.02)	-2.47 (-5.35, 0.41)	10.91 (6.42, 18.56)*	2.78 (1.85, 4.18)*	1.77 (1.21, 2.58)*	1.63 (1.12, 2.37)*	0.39 (0.23, 0.68)*	0.39 (0.20, 0.79)*
≥ 75	-0.16 (-0.19, -0.12)*	-12.78 (-15.58, -9.98)*	105.71 (61.48, 181.77)*	14.70 (9.83, 21.98)*	6.29 (4.34, 9.1)*	2.50 (1.73, 3.60)*	2.07 (1.23, 3.49)*	12.86 (6.37, 25.98)*
Nr of comorbidities								
0	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
1	-0.08 (-0.10, -0.06)*	-7.86 (-9.05, -6.66)*	5.41 (4.26, 6.87)*	2.45 (2.06, 2.91)*	2.14 (1.82, 2.51)*	1.75 (1.49, 2.05)*	2.54 (1.98, 3.24)*	5.41 (3.88, 7.53)*
≥2	-0.21 (-0.22, -0.19)*	-16.02 (-17.20, -14.84)*	36.44 (27.79, 47.78)*	8.45 (7.07, 10.10)*	7.16 (6.03, 8.51)*	4.70 (3.97, 5.57)*	9.32 (7.25, 11.97)*	45.33 (30.83, 66.64)*
Injury Severity Score[b]	-0.03 (-0.03, -0.02)*	-2.07 (-2.49, -1.65)*	1.58 (1.45, 1.71)*	1.34 (1.27, 1.43)*	1.35 (1.27, 1.43)*	1.12 (1.06, 1.18)*	1.25 (1.15, 1.36)*	1.52 (1.36, 1.70)*
Length of stay at hospital (days)								
1 - 2	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
3 - 7	-0.10 (-0.12, -0.09)*	-6.46 (-7.70, -5.22)*	10.61 (8.31, 13.53)*	3.72 (3.11, 4.45)*	3.11 (2.65, 3.66)*	2.19 (1.86, 2.59)*	2.23 (1.72, 2.88)*	2.22 (1.57, 3.13)*
8 - 14	-0.20 (-0.22, -0.18)*	-13.00 (-14.52, -11.48)*	39.48 (28.73, 54.26)*	11.04 (8.87, 13.73)*	8.06 (6.54, 9.93)*	3.73 (3.05, 4.57)*	5.73 (4.23, 7.76)*	9.12 (5.96, 13.97)*
≥ 15	-0.28 (-0.31, -0.26)*	-18.39 (-20.52, -16.25)*	103.66 (65.98, 162.88)*	22.75 (16.73, 30.93)*	14.88 (10.88, 20.36)*	4.91 (3.63, 6.65)*	11.30 (7.41, 17.24)*	24.69 (13.58, 44.90)*
Functional Capacity Index								
1 (worse state)	-0.13 (-0.20, -0.06)*	-7.63 (-13.18, -2.08)*	4.12 (1.62, 10.48)*	2.95 (1.45, 5.99)*	3.04 (1.52, 6.08)*	1.43 (0.72, 2.85)	3.97 (1.46, 10.75)*	8.96 (2.28, 35.20)*
2	-0.10 (-0.13, -0.06)*	-3.73 (-6.41, -1.05)*	9.85 (6.00, 16.17)*	2.47 (1.74, 3.52)*	2.85 (2.00, 4.05)*	2.16 (1.51, 3.09)*	1.88 (1.12, 3.17)*	0.33 (0.16, 0.65)*
3	-0.10 (-0.13, -0.06)*	-2.74 (-5.57, 0.08)	7.83 (4.70, 13.06)*	2.91 (2.00, 4.25)*	3.93 (2.69, 5.75)*	1.63 (1.13, 2.36)*	1.67 (0.96, 2.92)	0.69 (0.33, 1.45)
4	-0.11 (-0.12, -0.10)*	-6.01 (-7.15, -4.88)*	13.22 (10.56, 16.56)*	4.62 (3.94, 5.43)*	3.27 (2.82, 3.80)*	1.71 (1.48, 1.98)*	2.05 (1.64, 2.56)*	1.37 (1.02, 1.84)*
5 (best possible state)[a]	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Injury classification[c]								
Lower extremity injury								
Pelvic injury	0.71 (0.70, 0.72)	-4.60 (-6.70, -2.51)*	6.17 (4.27, 8.92)*	2.27 (1.71, 3.00)*	1.93 (1.47, 2.54)*	1.57 (1.19, 2.08)*	1.37 (0.90, 2.10)	1.19 (0.68, 2.09)
Hip fracture	-0.09 (-0.12, -0.06)*	-9.15 (-10.55, -7.74)*	20.99 (16.05, 27.46)*	5.59 (4.60, 6.81)*	3.77 (3.12, 4.55)*	1.68 (1.40, 2.02)*	2.68 (2.04, 3.53)*	5.48 (3.75, 8.02)*

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Tibia, complex foot or femur fracture	-0.13 (-0.15, -0.11)*	-2.37 (-4.09, -0.65)*	12.24 (8.98, 16.69)*	1.79 (1.42, 2.24)*	2.84 (2.27, 3.57)*	1.81 (1.44, 2.27)*	1.26 (0.90, 1.76)	0.53 (0.34, 0.82)*
Upper extremity injury								
Shoulder and upper arm injury	-0.07 (-0.10, -0.05)*	-2.57 (-4.40, -0.74)*	0.75 (0.55, 1.01)	2.47 (1.95, 3.14)*	1.8 (1.43, 2.27)*	2.21 (1.74, 2.80)*	1.21 (0.85, 1.72)	0.75 (0.47, 1.18)
Radius, ulna or hand fracture	-0.04 (-0.07, -0.02)*	0.60 (-1.54, 2.74)	0.35 (0.24, 0.50)*	1.22 (0.92, 1.62)	1.06 (0.81, 1.38)	1.03 (0.78, 1.35)	0.77 (0.5, 1.17)	0.36 (0.21, 0.63)*
Traumatic brain injury								
Head injury with AIS <=2	0.01 (-0.02, 0.03)	1.40 (0.10, 2.69)*	0.66 (0.53, 0.82)*	0.50 (0.41, 0.59)*	0.63 (0.53, 0.74)*	0.67 (0.57, 0.80)*	0.82 (0.64, 1.06)	2.52 (1.80, 3.53)*
Head injury with AIS >=3	0.04 (0.03, 0.06)*	-2.77 (-5.54, 0.00)*	1.84 (1.16, 2.91)*	1.17 (0.80, 1.71)	1.66 (1.16, 2.36)*	0.86 (0.61, 1.22)	2.44 (1.43, 4.15)*	13.11 (6.35, 27.06)*
Facial injury	-0.03 (-0.06, 0.01)	1.99 (-0.40, 4.37)	0.37 (0.25, 0.56)*	0.64 (0.46, 0.90)*	0.65 (0.48, 0.88)	0.6 (0.44, 0.81)*	0.99 (0.61, 1.58)	1.34 (0.72, 2.47)
Thoracic injury	0.04 (0.00, 0.07)*	2.37 (-0.49, 5.23)	0.54 (0.33, 0.87)*	0.62 (0.42, 0.93)*	0.73 (0.51, 1.05)	0.61 (0.42, 0.89)*	0.83 (0.47, 1.48)	0.8 (0.38, 1.68)
Rib fracture	0.04 (0.00, 0.07)*	-0.80 (-2.68, 1.09)	1 (0.73, 1.37)	0.81 (0.63, 1.05)	0.94 (0.74, 1.19)	1.35 (1.06, 1.72)*	0.65 (0.45, 0.95)*	1.05 (0.65, 1.71)
Abdominal injury	0.00 (-0.02, 0.03)	1.24 (-2.24, 4.73)	0.44 (0.24, 0.81)*	0.58 (0.35, 0.95)*	0.66 (0.42, 1.04)	0.56 (0.35, 0.88)*	1.06 (0.53, 2.14)	1.27 (0.51, 3.14)
Spine injury								
Spinal cord injury	-0.18 (-0.27, -0.09)*	-7.32 (-14.94, 0.29)	5.97 (1.8, 19.76)*	3.55 (1.41, 8.98)*	5.03 (1.95, 13.00)*	23.14 (6.63, 80.76)*	2.97 (0.78, 11.27)	0.94 (0.16, 5.48)
Stable vertebral fracture or disc injury	-0.05 (-0.08, -0.03)*	-4.10 (-6.27, -1.93)*	1.22 (0.85, 1.76)	1.57 (1.17, 2.10)*	1.88 (1.42, 2.49)*	2.43 (1.82, 3.25)*	1.23 (0.8, 1.87)	0.96 (0.55, 1.68)
Admission to Intensive Care Unit	-0.02 (-0.05, 0.01)	-2.88 (-4.90, -0.86)*	0.80 (0.55, 1.16)	0.94 (0.72, 1.25)	1.26 (0.97, 1.65)	1.10 (0.84, 1.43)	1.16 (0.79, 1.71)	4.15 (2.51, 6.83)*
Pre-injury work status	0.11 (0.09, 0.12)*	7.58 (6.40, 8.76)*	0.06 (0.05, 0.08)*	0.23 (0.19, 0.27)*	0.38 (0.33, 0.45)*	0.63 (0.54, 0.73)*	0.35 (0.28, 0.45)*	0.10 (0.07, 0.15)*
Educational level								
Low[a]	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Middle	0.07 (0.06, 0.09)*	5.42 (4.15, 6.70)*	0.22 (0.17, 0.28)*	0.38 (0.32, 0.46)*	0.51 (0.43, 0.60)*	0.76 (0.65, 0.90)*	0.39 (0.31, 0.50)*	0.25 (0.18, 0.35)*
High	0.11 (0.09, 0.13)*	6.74 (5.35, 8.13)*	0.18 (0.13, 0.23)*	0.35 (0.29, 0.43)*	0.37 (0.31, 0.45)*	0.48 (0.40, 0.57)*	0.25 (0.19, 0.33)*	0.18 (0.12, 0.26)*
Frailty	-0.28 (-0.30, -0.26)*	-17.00 (-18.28, -15.73)*	42.04 (30.13, 58.65)*	17.43 (13.8, 22.02)*	10.32 (8.11, 13.12)*	3.53 (2.84, 4.39)*	20.90 (15.31, 28.54)*	181.79 (99.22, 333.08)*
Pre-injury status[d]	0.67 (0.64, 0.70)*	0.58 (0.55, 0.60)*						
No problems[a]			Ref	Ref	Ref	Ref	Ref	Ref
Moderate/severe problems			71.89 (54.53, 94.77)*	61.03 (47.05, 79.17)*	15.01 (12.27, 18.36)*	8.69 (7.29, 10.36)*	114.45 (79.19, 165.42)*	3613.12 (1619.40, 8061.43)*

*p-value≤.05

[a]Reference category

[b]Regression coefficients and odds ratios (95%) represents a 4 unit increase on the ISS scale.

[c]Regression coefficients and odds ratios (95% CI) for patients suffering the injury compared to patients not having the injury.

[d]Regression coefficients (95% CI) for pre-injury EQ-5D utility score and the pre-injury EQ-VAS for EQ-5D utility and EQ-VAS respectively. Odds ratios (95% CI) for pre-injury moderate and severe problems on the dimensions of the EQ-5D questionnaire (pre-injury mobility, Self-care, Pain/discomfort, Anxiety/depression and cognition respectively for the columns).

Abbreviations: AIS, Abbreviated Injury scale; ASA, American Society of Anaesthesiologists Classification; CI, Confidence Interval; Ref, Reference Category.