Table S4: PedsQL Ordinal Mixed Effects Models (adjusted for VIBES-Junior cohort) [a]

Model		TOTAL	PHYSICAL	PSYCHOSOCIAL
		Adj OR (95%CI)	Adj OR (95%CI)	Adj OR (95%CI)
Sex				
Male	*Ref*			
Female		0.78 (0.59,1.05)	**0.56 (0.44,0.72)** ↓	0.90 (0.68,1.19)
Age group				
0-4 years	*Ref*			
5-9 years		**0.29 (0.20,0.42)** ↓	**0.64 (0.46,0.89)** ↓	**0.31 (0.22,0.45)** ↓
10-14 years		**0.22 (0.15,0.32)** ↓	**0.38 (0.27,0.53)** ↓	**0.27 (0.19,0.39)** ↓
15-17 years		**0.24 (0.15,0.39)** ↓	**0.29 (0.20,0.44)** ↓	**0.32 (0.20,0.51)** ↓
SES				
Low SES	*Ref*			
Moderate SES		**1.74 (1.27,2.39)** ↑	**1.57 (1.20,2.06)** ↑	**1.55 (1.15,2.10)** ↑
High SES		**2.76 (1.91,3.99)** ↑	**2.22 (1.61,3.06)** ↑	**2.22 (1.55,3.19)** ↑
Mechanism				
Non-transport	*Ref*			
Transport		**0.57 (0.39,0.85)** ↓	**0.58 (0.42,0.80)** ↓	**0.58 (0.40,0.86)** ↓
Hospital status				
ED only	*Ref*			
Hospital admission		1.10 (0.67,1.80)	0.84 (0.56,1.26)	1.30 (0.80,2.10)
Comorbidity status				
At least 1 comorbidity		**0.24 (0.14,0.42)** ↓	**0.28 (0.17,0.47)** ↓	**0.30 (0.18,0.50)** ↓
ISS Tertiles				
Low (<5)	*Ref*			
Mid (5-16)		0.87 (0.50,1.51)	1.18 (0.76,1.84)	0.78 (0.46,1.30)
High (17+)		1.00 (0.52,1.95)	1.25 (0.72,2.18)	1.02 (0.55,1.90)
Intent				
Not intentional	*Ref*			
Intentional		**0.33 (0.14,0.79)** ↓	0.50 (0.25,1.00)	**0.35 (0.16,0.74)** ↓
Intent not known		0.54 (0.19,1.48)	1.16 (0.46,2.90)	0.77 (0.30,1.97)
Time				
1 Month	*Ref*			
3,4 Months		**7.68 (5.22,11.29)** ↑	**8.10 (5.38,12.20)** ↑	**3.90 (2.81,5.43)** ↑
6 Months		**3.82 (2.59,5.65)** ↑	**5.48 (3.62,8.28)** ↑	**2.69 (1.91,3.80)** ↑
12 Months		**8.23 (5.67,11.94)** ↑	**11.98 (7.98,17.96)** ↑	**4.05 (2.94,5.58)** ↑
24 Months		**9.18 (6.23,13.52)** ↑	**13.78 (9.08,20.92)** ↑	**4.64 (3.31,6.51)** ↑

Supplemental material

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Inj Prev

Injury (Any)

N33, N34 Spinal cord lesion	**0.08 (0.02,0.29) ↓**	**0.07 (0.02,0.27) ↓**	**0.10 (0.03,0.35) ↓**
N19, N26 Fracture of femur	**0.51 (0.27,0.96) ↓**	**0.29 (0.16,0.53) ↓**	0.92 (0.50,1.69)
N20 Fracture of patella, tibia, fibula, or ankle	**0.33 (0.16,0.66) ↓**	**0.25 (0.14,0.46) ↓**	**0.45 (0.22,0.88) ↓**
N28 Moderate to severe traumatic brain injury	**0.57 (0.37,0.89) ↓**	0.77 (0.53,1.12)	**0.57 (0.38,0.88) ↓**
N37, N17, N18 Crush injury, fracture foot/hand bones	0.68 (0.30,1.53)	0.92 (0.43,1.95)	0.69 (0.32,1.48)
N43 Internal haemorrhage in abdomen or pelvis	0.95 (0.56,1.61)	1.02 (0.64,1.62)	1.00 (0.61,1.65)
N27 Minor traumatic brain injury	0.78 (0.56,1.10)	0.80 (0.60,1.05)	0.76 (0.54,1.05)
N21 Fracture of pelvis	**0.44 (0.21,0.92) ↓**	**0.30 (0.16,0.58) ↓**	0.63 (0.33,1.21)
N42 Severe chest Injury	**0.50 (0.29,0.86) ↓**	0.65 (0.41,1.04)	**0.55 (0.32,0.92) ↓**
N8, N9, N10 Burns (including lower airways)	0.38 (0.13,1.15)	**0.32 (0.13,0.81) ↓**	0.53 (0.20,1.38)
N25 Fracture of vertebral column	**0.37 (0.18,0.77) ↓**	**0.43 (0.23,0.84) ↓**	**0.43 (0.22,0.83) ↓**
N35, N36 Asphyxiation, Non-fatal submersion	**0.08 (0.02,0.38) ↓**	0.46 (0.12,1.71)	**0.11 (0.03,0.42) ↓**
N40, N44 Contusion, open wound	1.02 (0.71,1.46)	1.20 (0.89,1.61)	0.92 (0.64,1.31)
N14 Other injuries of muscle & tendon & other dislocations	**0.52 (0.31,0.88) ↓**	**0.61 (0.38,0.96) ↓**	**0.54 (0.32,0.91) ↓**
N15 Fracture of clavicle, scapula, or humerus	0.77 (0.49,1.21)	0.71 (0.49,1.02)	0.70 (0.45,1.09)
N22 Fracture of radius or ulna	0.78 (0.49,1.24)	0.70 (0.48,1.04)	0.81 (0.51,1.26)
Other injuries	**0.55 (0.39,0.78) ↓**	**0.68 (0.51,0.91) ↓**	**0.53 (0.38,0.74) ↓**
Number of Observations	-	4,952	5,296	2,263
Number of Groups	-	1,963	2,.038	2,038

General Linear Model (GLM) mixed effects ordinal logistic models with random intercepts for participants and robust standard errors, adjusted for VIBES-Junior cohort. PedsQL scores across time points initially categorised into three, four and five groups. Five group model chosen (0-<70, 70-<85, 85-<90, 90-<100, 100) to reveal the time variation between participants with mid to high PedsQL scores and score of 100. Model accounts for the ceiling/floor effects of the ordinal outcome and allows response variables with different distributions.
[a]Significant results in bold. Adj.=Adjusted; OR=Odds Ratio. ^Injury groupings based on GBD 2013 classifications with reference = Not have injury type, and the order was based on GBD 2013 order. Shaded cell indicates different result to linear mixed effects model. ↓ refers to significantly lower odds of high PedsQL score compared to the reference, ↑ refers to significantly higher odds of high PedsQL score compared to the reference.