

Supplemental Online Content

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eAppendix 1. Preexisting Chronic Conditions Assessed at Enrollment

eAppendix 2. New Domain-Related Morbidity Determined by Multivariable Logistic Regression, Children with Isolated Head-Not Severe Used as Reference Injury Category

This supplemental material has been provided by the authors to give readers additional information about their work.

eAppendix 1. Preexisting Chronic Conditions Assessed at Enrollment

Asthma
Autoimmune disease
Cancer
Cardiovascular disease - acquired
Cardiovascular disease - arrhythmia
Cardiovascular disease - congenital
Chronic liver disease
Chronic renal failure
Chronic lung disease
Congenital anomaly or chromosomal defect
Diabetes
Immunological disorders
Metabolic disease
Musculoskeletal
Neurologic - static encephalopathy
Neurologic - other chronic condition
Neurologic - chronic seizures
Rheumatology disorder
Transplant
Other

eAppendix 2. New Domain-Related Morbidity Determined by Multivariable Logistic Regression, Children with Isolated Head-Not Severe Used as Reference Injury Category

Parameter	Odds Ratio (95% CI)	
Intercept	0.01 (0.00, 0.01)	<.001
Age (reference - 10-14 years)		
<1 year	4.32 (2.37, 7.88)	<.001
1-4 years	2.79 (1.88, 4.15)	<.001
5-9 years	0.93 (0.64, 1.36)	0.71
Initial systolic blood pressure (reference - normal) ¹	0.76 (0.18, 3.19)	0.70
Initial heart rate (reference - normal) ¹	1.24 (0.81, 1.90)	0.32
Penetrating injury (reference - blunt)	0.64 (0.15, 2.67)	0.53
Child physical abuse (reference - no abuse)	0.58 (0.34, 0.98)	0.04
Race (reference - White)		
Black	1.78 (1.26, 2.51)	0.001
Other	1.84 (1.24, 2.72)	0.002
Ethnicity (reference - not Hispanic or Latino)	0.52 (0.31, 0.89)	0.02
Insurance (reference - private/commercial)		
Medicaid/Medicare	0.40 (0.30, 0.54)	<.001
More than one	0.38 (0.17, 0.88)	0.02
No insurance	0.70 (0.26, 1.89)	0.48
Other	0.43 (0.21, 0.88)	0.020
Injury category (AIS≥3) (reference - isolated head [not severe])		
Isolated head (severe)	54.57 (26.68, 111.6)	<.001
Isolated thoracic	22.75 (9.87, 52.46)	<.001
Isolated abdominal	5.40 (2.11, 13.84)	<.001
Isolated spinal	86.95 (36.84, 205.2)	<.001
Isolated extremity	26.22 (13.93, 49.35)	<.001
Multiple, including head (severe)	1503 (598.2, 3775)	<.001
Multiple, including head (not severe)	100.5 (38.05, 265.4)	<.001
Multiple, excluding head	55.82 (24.83, 125.5)	<.001

1-normal=z-score 1.96 to 1.96, not normal=z-score < -1.96 or > 1.96