moderate and severe injury seen in California emergency departments, 2005-2009 Characteristics Hospital Admission ED Death Unadjusted Unadjusted Odds Ratio (95% CI) Odds Ratio (95% CI) **Injury Severity** REF REF Moderate -----Severe 5.371 (5.000, 5.769)17.578 (14.450, 21.384) Age <1 year 0.604 (0.565, 0.645)0.308 (0.211, 0.448)1-4 years 0.588 (0.552, 0.627)0.471 (0.350, 0.635)5-9 years 0.695 (0.654, 0.738)0.351 (0.253, 0.487)10-14 years 0.684 (0.649, 0.721)0.378 (0.289, 0.493)15-18 years REF --REF ---Sex REF Male REF -----0.78 (0.747, 0.814) (0.550, 0.852)Female 0.685 Race/Ethnicity White REF REF Black or African American 1.500 (1.388, 1.622)3.518 (2.596, 4.767)Hispanic 1.297 (1.242, 1.354)2.142 (1.714, 2.676)(1.117, 1.357)Asian 1.231 1.087 (0.610, 1.935)Other (1.157, 1.393)(1.854, 3.954)1.27 2.707 Annual Median Household Income* <100% Federal Poverty Line REF --REF ---(FPL) 100-200% FPL 0.756 (0.514, 1.113)0.605 (0.184, 1.991)200-300% FPL 0.649 (0.441, 0.955)0.359 (0.109, 1.182)0.593 (0.054, 0.601)>300% FPL (0.403, 0.873)0.181 Distance: Residence to Nearest Acute Hospital 0-5 miles REF REF -----6-10 miles 0.958 (0.895, 1.026) (0.856, 1.568)1.158 >10 miles 1.093 (0.999, 1.195)1.159 (0.773, 1.736)**Insurance Status** Private insurance REF ---REF --Public insurance 1.549 (1.485, 1.616)1.861 (1.469, 2.357)No insurance 0.641 (0.598, 0.688)6.41 (5.081, 8.086)**Rural Status** Urban REF REF -----0.758 (0.709, 0.810)(0.502, 1.010)Rural 0.712 Mechanism of Injury Fall REF REF -----5.507 Cut (4.596, 6.598)46.043 (24.946, 84.980)7.499 349.148 Firearm (6.459, 8.707)(218.453, 558.03) Motor vehicle traffic 3.445 (3.225, 3.679)53.529 (34.192, 83.803) 0.823 0.485 (0.065, 3.606)Pedal (Bike) (0.748, 0.906)Pedestrian 2.697 (1.847, 3.938)79.571 (31.633, 200.157) (0.721, 2.614)0.526 Struck (0.494, 0.560)1.373 Drowning 2.802 (<0.001, >999) (1.077, 7.290)< 0.001 Machinery 0.35 (0.222, 0.552)16.224 (3.716, 70.834)Other transportation 1.63 (1.481, 1.794)5.868 (2.767, 12.444)Other 0.538 (0.463, 0.625)2.232 (0.520, 9.579)

Table 1. Univariate analyses of predictors of a) hospital admission and b) ED death for children with

Data Supplement for Arroyo et al.

Unintentional	REF		REF	
Intentional	5.67	(3.070, 10.47)	22.807	(8.375, 62.108)
Assault	1.917	(1.794, 2.048)	5.075	(4.118, 6.254)
Undetermined	2.564	(1.782, 3.691)	22.124	(12.343, 39.654)
Discharged = 14,222 visits; admission = 3	34,402 visits; dea	ath = 467 visits; to	tal = 49,09 ⁻	1 visits.
*Annual household income based on zip code	e of residence, usin	g the 2004 Federal	Poverty Line	e of \$18,850 for a
family of four.				
REF = Reference variable				

Table 2. Demographics of emergency department (ED) visits by California children for mild injuries and injuries with unclassifiable severity resulting in ED disposition of death, 2005-2009.

Characteristics		Mild Injury	Unclassifiable Injury	ned assifiable Ƴ	
		# of Visits	# of Visits	# of Visits	%
Numbei	r of Visits	482	391	873	100
Age					
	<1 year	55	88	143	16
	1-4 years	59	112	171	20
	5-9 years	54	50	104	12
	10-14 years	50	40	90	10
	15-18 years	264	101	365	42
Sex					
	Female	123	149	272	31
	Male	355	240	595	68
	Not Available	4	2	6	1
Race/Et					
	White	104	157	261	30
	Black/African-American	78	32	110	13
	Hispanic	224	125	349	40
	Asian	18	24	42	5
	American Indian/Alaska Native	1	4	5	1
	Other/Not Available	57	49	106	12
Insuran	ce Status	. .			
	Private Insurance	122	162	284	33
	Public Insurance	163	119	282	32
	No Insurance	188	101	289	33
	Other	9	9	18	2
Rural S		0	J		-
	Rural	32	49	81	9
	Urban	450	342	792	91
Annual	Median Household Income*		072	152	
,	<100% Federal Poverty Line				
	(FPL)	3	0	3	0.3
	100-200% FPL	195	99	294	34
	200-300% FPL	188	158	346	40
	>300% FPL	80	121	201	23
	Not Available	16	13	29	3
Distanc	e: Residence to Nearest Acute Hosp		-	-	-
	0-5 miles	427	339	766	88
	6-10 miles	39	27	66	8
	>10 miles	15	24	39	4
	Not Available	1	1	2	- 0.2
Maior Ir	njury Categories			2	0.2
najoi II	Fracture/Dislocation	15	0	15	2
	Muscle Sprain	4	0	4	2 0.4
		4 15			0.4 2
	Intracranial/Nervous System	29	0	15	
	Abdomen/Thorax		0	29	3
	Open Wounds	161	0	161	18

Data Supplement for Arroyo et al.

Cruching	4	0	4	0.4	
Crushing	4	-	4	0.4	
Burns	1	5	6	1	
Other/Not Available	193	385	578	66	
Mechanism of Injury^					
Fall	15	7	22	3	
Cut	25	0	25	3	
Firearm	197	6	203	23	
Motor Vehicle Traffic	147	58	206	24	
Pedal (Bike)	2	0	2	0.2	
Pedestrian	6	1	7	1	
Struck	12	1	13	1	
Drowning	6	207	213	24	
Machinery	1	0	1	0.1	
Suffocation	3	72	75	9	
Other Transportation	14	5	19	2	
Other/Not available	52	42	94	11	
Intent of Injury					
Unintentional	276	315	591	68	
Intentional	8	64	72	8	
Assault	180	10	190	22	
Other/Not available	18	2	20	2	
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*Annual median household income based on zip code of residence, using the 2004 Federal Poverty Line of \$18,850 for a family of four.

[^]Mechanism of injury categories are not mutually exclusive and may include classifiable external cause of injury codes (e-code) in any of the five fields.

Table 3. Demographics of emergency department visits by California children for mild injuries resulting in hospital admission of a length of stay less than 1 day, 2005-2009.

Characteri	stics	Length <1 c	
		<u># of Visits</u>	<u>%</u>
Number of	f Visits	31,305	100
Age			
	<1 year	2,579	8
	1-4 years	4,909	15
	5-9 years	7,545	24
	10-14 years	6,499	20
	15-18 years	9,773	31
Sex			
	Female	10,625	34
	Male	20,677	66
	Not Available	3	<0.1
Race/Ethn	icity		
	White	11,536	37
	Black/African-American	2,416	7
	Hispanic	13,515	43
	Asian American Indian/Alaska	1,684	5
	Native	76	0.2
	Other	1,716	5
	Not Available	362	1
Insurance	Status		
	Private Insurance	15,295	48
	Public Insurance	13,577	43
	No Insurance	2,046	6
	Other	383	1

Race and Intent of Injury White race & assault White race & intentional injury Black/African-American race & assault Black/African-American race & intentional injury Hispanic ethnicity & assault Hispanic ethnicity & intentional injury Asian race & assault	0.5065 0.6119 0.9583 0.8389 0.9583 0.9682	0.838 1.000 0.837 0.950 0.840
White race & intentional injury Black/African-American race & assault Black/African-American race & intentional injury Hispanic ethnicity & assault Hispanic ethnicity & intentional injury	0.6119 0.9583 0.8389 0.9583	1.000 0.837 0.950 0.840
Black/African-American race & assault Black/African-American race & intentional injury Hispanic ethnicity & assault Hispanic ethnicity & intentional injury	0.9583 0.8389 0.9583	0.837 0.950 0.840
Black/African-American race & intentional injury Hispanic ethnicity & assault Hispanic ethnicity & intentional injury	0.8389 0.9583	0.950 0.840
Hispanic ethnicity & assault Hispanic ethnicity & intentional injury	0.9583	0.840
Hispanic ethnicity & intentional injury		0.0.0
	0.9682	
Asian race & assault		0.990
	0.8976	0.866
Asian race & intentional injury	0.5824	0.964
Sex and Intent of Injury		
Female sex & assault	0.1599	0.762
Female sex & intentional injury	0.4557	0.056
Female Sex & Firearm Mechanism of Injury	0.4138	0.124

Characteristics		ED Visit Rate per 1000 persons				
Total		67.1				
Age						
	0-4 years	76.7				
	5-9 years	56.5				
	10-14 years	68.2				
	15-18 years	66.6				
Sex						
	Female	53.6				
	Male	93.9				
Race/Ethnicity						
	White	79.0				
	Black/African-American	68.8				
	Hispanic	54.9				
	Asian	24.5				
	American Indian/Alaska Native	16.2				
category from the RAND Cal		of visits in each demographic lanning and Development dataset by opulation estimates by race/ethnicity				

Insurance Type [†]	Denominator	Overall In	njury	Mild In	jury	Moderate	e Injury	Severe	e Injury	Hospital	ization	D	eath
		#	Rate	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
No Insurance	1,188,640	113,283	95	105,092	88	2,244	1.89	347	0.29	2,318	1.95	115	0.097
Private Insurance	11,681,581	548,706	47	514,064	44	12,058	1.03	1,951	0.17	14,266	1.22	69	0.006
Public Insurance	6,800,556	395,324	58	367,812	54	8,010	1.18	1,898	0.28	14,959	2.20	96	0.014
Total	19,670,777	1,057,313	54	986,968	50	22,312	1.13	4,196	0.21	31,543	1.60	280	0.014

2005 and 2007. Rates are visits per 1000 persons.

[†]Private insurance includes commercial insurance, preferred provider organizations (PPO), automobile medical insurance, exclusive provider organizations, and health maintenance organizations (HMO). Public insurance includes Medicare, Medicaid, federal or Title V programs. Other insurance includes disability insurance, Veterans' Affairs plan, and workers' compensation health claims.