**Table 1. Summary of All ED Visits** 

		All Visits						
		Number of visits	Percent of Visits	Visits per 10,000 FTEs	95% CI			
	Total	35,058	100	265.0	262-268			
	18	2,391	6.8	280.5	269-292			
	19	3,892	11.1	345.3	335-356			
	20	4,748	13.5	274.1	266-282			
Age	21	5,275	15.0	282.1	275-290			
	22	5,941	16.9	279.7	273-287			
	23	6,368	18.2	274.3	268-281			
	24	6,443	18.4	201.2	196-206			
Gender <sup>+</sup>	Male	22,612	64.5	354.0	350-359			
Gender	Female	12,445	35.5	181.9	179-185			
	White only, non-Hispanic	26,119	74.5	269.4	266-273			
	Hispanic	4,867	13.9	245.9	239-253			
Race & Ethnicity <sup>+</sup>	Black only, non-Hispanic	2,294	6.5	331.6	318-345			
	Asian only, non-Hispanic	445	1.3	68.7	62-75			
	Multi-racial	212	0.6	52.5	45-60			
	2010	7,724	22.0	313.3	306-320			
Year of Hospital Visit	2011	7,545	21.5	292.5	286-299			
	2012	7,127	20.3	260.1	254-266			
	2013	6,505	18.6	242.7	237-249			
	2014	6,157	17.6	222.7	217-228			

(continued on next page)

- Source: Emergency Discharge Data, for 1 Jan 2010 through 31 Dec 2014, Massachusetts Center for Health Information and Analysis.
- · Counts not shown and rates not calculated for cells with less than 11 cases based on the CHIA rules pertaining to confidentiality.
- Numbers may not add to total due to missing information. Percentages may not add to 100 due to rounding error.
- An ED visit for an injury is defined as any case having an ICD-9-CM Nature of Injury Code of 800-999 in the primary diagnosis field.
- Attribution of work-relatedness is based on designation of Workers' Compensation Insurance as expected payer.
- Injuries per 10,000 FTE calculated as number of injury / FTE\*10,000; FTEs=total hours per year / 2000.
- Total hours worked for Massachusetts residents obtained from Current Population Survey, Bureau of Labor Statistics, Jan 2010 through Dec 2014.

<sup>\*</sup>Difference is significant for all comparisons/groups based on 95% confidence intervals; however, the standard error of the denominator was not taken into account when calculating confidence intervals.

**Table 1. Summary of All ED Visits** 

(continued from previous page)

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		All Visits							
		Number of Visits	Percent of Visits	Visits per 10,000 FTEs	95% CI				
	Open wounds	14,316	40.8	108.2	106-110				
	Sprains	6,389	18.2	48.3	47-50				
	Superficial/Contusions	6,113	17.4	46.2	45-47				
	Burns	1,999	5.7	15.1	14-16				
	Fractures	1,404	4.0	10.6	10-11				
Nature of Injury	Internal organ	606	1.7	4.6	4.2-4.9				
	Crushing	450	1.3	3.4	3.1-3.7				
	Dislocations	236	0.7	1.8	1.6-2.0				
	Amputations	141	0.4	1.1	0.09-1.2				
	Other <sup>a</sup>	1,200	3.4	9.1	8.6-9.6				
	Unspecified & Missing	2,204	6.3	16.7	16-17				
	Cut/pierce	10,802	30.8	81.6	80-83				
	Struck by/against	5,860	16.7	44.3	43-45				
	Overexertion	3,921	11.2	29.6	29-31				
	Falls	3,118	8.9	23.6	23-24				
	Fire/burn	1,932	5.5	14.6	14-15				
External Cause of	Machinery	1,068	3.0	8.1	8-9				
Injury	Motor vehicle	872	2.5	6.6	6-7				
	Natural/environmental	855	2.4	6.5	6-7				
	Poisoning	142	0.4	1.1	0.9-1.2				
	Other transportation	103	0.3	0.8	0.6-0.9				
	Other <sup>b</sup>	3,897	11.1	29.5	29-30				
	Unspecified & Missing	2,488	7.1	18.8	18-20				

- Nature of Injury and Body Region groupings are based on Barell Injury Matrix, Barell et al., Inj Prev, 2002 Jun;8(2):91-96.
- External Cause of Injury groupings are based on TCD-9 Framework for Presenting Injury Mortality Data,' MMWR Recommendations and Reports, August 29, 1997, Volume 46/NORR-14.
- (a) Other includes blood vessel injuries, nerve injuries, and system wide and late effect injuries.
- (b) Other includes drowning, suffocation, firearm, other specified, and not elsewhere specified.

Table 2. Nature of Injury by Gender and Race & Ethnicity

		Gender					Race & Ethnicity							
		Ма	lles	Fem	ales		only, spanic	Hisp	anic	Black only, non-Hispanic			Other, non-Hispanic	
		Number of Visits	Percent of Visits	Number of Visits	Percent of Visits	Number of Visits	Percent of Visits							
	Total	22,612	100	12,445	100	26,119	100	4,867	100	2,294	100	686	100	
	Open wounds	10,308	45.6	4,008	32.2	10,820	41.4	2,013	41.4	754	32.9	287	41.8	
	Sprains	3,601	15.9	2,788	22.4	4,636	17.7	931	19.1	558	24.3	96	14.0	
	Superficial/ contusions	3,519	15.6	2,594	20.8	4,520	17.3	785	16.1	488	21.3	124	18.1	
	Burns	1,092	4.8	906	7.3	1,454	5.6	312	6.4	116	5.1	42	6.1	
	Fractures	1,054	4.7	350	2.8	1,052	4.0	216	4.4	65	2.8	23	3.4	
Nature of Injury	Crushing	349	1.5	101	0.8	327	1.3	64	1.3	38	1.7	b		
<b>,</b> ,	Internal organ	321	1.4	285	2.3	506	1.9	51	1.0	28	1.2	11	1.6	
	Dislocations	168	0.7	68	0.5	173	0.7	26	0.5	20	0.9	b		
	Amputations	125	0.6	16	0.1	86	0.3	34	0.7	b		b		
	Other <sup>a</sup>	910	4.0	290	2.3	938	3.6	120	2.5	52	2.3	27	3.9	
	Unspecified & Missing	1,165	5.2	1,039	8.3	1,607	6.2	315	6.5	b		52	7.6	

- Source: Emergency Discharge Data, for 1 Jan 2010 through 31 Dec 2014, Massachusetts Center for Health Information and Analysis.
- An ED visit for an injury is defined as any case having an ICD-9-CM Nature of Injury Code of 800-999 in the primary diagnosis field.
- Attribution of work-relatedness is based on designation of Workers' Compensation Insurance as expected payer.
- Nature of Injury and Body Region groupings are based on Barell Injury Matrix, Barell et al., Inj Prev, 2002 Jun;8(2):91-96.
- (a) Other includes blood vessel injuries, nerve injuries, and system wide and late effect injuries.
- (b) Counts not shown for cells with less than 11 cases based on the CHIA rules pertaining to confidentiality. Numbers may not add to total due to missing information.

Table 3. Nature of Injury by Age

		Age													
		1	8	1	9	2	0	2	1	2	2	2	:3	2	4
		Number of Visits	Percent of Visits												
	Total	2,391	100	3,892	100	4,748	100	5,275	100	5,941	100	6,368	100	6,443	100
	Open Wounds	1,132	47.3	1,782	45.8	2,121	44.7	2,100	39.8	2,379	40.0	2,463	38.7	2,339	36.3
	Sprains	297	12.4	564	14.5	802	16.9	966	18.3	1,099	18.5	1,272	20.0	1,389	21.6
	Superficial/ Contusions	364	15.2	605	15.5	763	16.1	941	17.8	1,079	18.2	1,154	18.1	1,207	18.7
	Burns	217	9.1	316	8.1	291	6.1	305	5.8	312	5.3	270	4.2	288	4.5
Matura	Fractures	80	3.3	140	3.6	192	4.0	200	3.8	232	3.9	279	4.4	281	4.4
Nature of Injury	Internal Organ	48	2.0	66	1.7	83	1.7	83	1.6	101	1.7	113	1.8	112	1.7
iiijai y	Crushing	25	1.0	61	1.6	70	1.5	76	1.4	74	1.2	78	1.2	66	1.0
	Dislocations	17	0.7	26	0.7	29	0.6	47	0.9	39	0.7	34	0.5	44	0.7
	Amputations	15	0.6	12	0.3	22	0.5	25	0.5	23	0.4	21	0.3	23	0.4
	Other <sup>a</sup>	75	3.1	121	3.1	135	2.8	192	3.6	201	3.4	235	3.7	241	3.7
	Unspecified & Missing	121	5.1	199	5.1	240	5.1	340	6.4	402	6.8	449	7.1	453	7.0

- Source: Emergency Discharge Data, for 1 Jan 2010 through 31 Dec 2014, Massachusetts Center for Health Information and Analysis.
- Counts not shown for cells with less than 11 cases based on the CHIA rules pertaining to confidentiality. Numbers may not add to total due to missing information.
- An ED visit for an injury is defined as any case having an ICD-9-CM Nature of Injury Code of 800-999 in the primary diagnosis field. Attribution of work-relatedness is based on designation of Workers' Compensation Insurance as expected payer.
- Nature of Injury and Body Region groupings are based on Barell Injury Matrix, Barell et al., Inj Prev, 2002 Jun;8(2):91-96.
- (a) Other includes blood vessel injuries, nerve injuries, and system wide and late effect injuries.

Table 4. Nature of Injury by Body Part

		Vis	sits
		Number	Percent
		of Visits	of Visits
	Total	35,058	100
	Open Wounds	14,316	40.8
	Extremities	13,104	91.5
	Head & neck	1,131	7.9
	Sprains	6,389	18.2
	Extremities	3,704	58.0
	Spine & Back	1,849	28.9
	Torso	683	10.7
	Superficial/contusions	6,113	17.4
	Extremities	3,960	64.8
	Head & neck	1,471	24.1
	Torso	578	9.5
	Burns	1,999	5.7
	Extremities	1,638	81.9
	Head & neck	290	14.5
	Torso	55	2.8
Nature of Injury by Body Region	Fractures	1,404	4.0
by Body (togion	Extremities	1,272	90.6
	Head & neck	85	6.1
	Internal Organ	606	1.7
	Head & neck*	600	99.0
	Crushing	450	1.3
	Extremities	448	99.6
	Dislocations	236	0.7
	Extremities	235	99.6
	Amputations	141	0.4
	Extremities	141	100
	Other <sup>a</sup>	1,200	3.4
	Unspecified & Missing	2,204	6.3
	Head & Neck	1,032	46.8
	Extremities	897	40.7
	Torso	130	5.9

- Source: Emergency Discharge Data, for 1 Jan 2010 through 31 Dec 2014, Massachusetts Center for Health Information and Analysis
- Other includes blood vessel injuries and nerve injuries, system wide and late effect injuries.
- 590 of these injuries are concussions.
- Counts not shown for cells with less than 11 cases based on CHIA rules pertaining to confidentiality. Numbers may not add to total due to missing information. Not all subcategories shown for each nature of injury category.
- An ED visit for an injury is defined as any case having an ICD-9-CM Nature of Injury Code of 800-999 in the primary diagnosis field. Attribution of work-relatedness is based on designation of Workers' Compensation Insurance as expected payer.
- Nature of Injury and Body Region groupings are based on Barell Injury Matrix, Barell et al., Inj Prev, 2002 Jun;8(2):91-96.

### **Table 5. External Cause of Injury**

			Vis	sits
			Number of Visits	Percent of Visits
		Total	35,058	100
	Cut/pierce		10,802	30.8
	Struck by/against		5,860	16.7
	Overexertion		3,921	11.2
	Falls		3,118	8.9
	Fall to same level		1,422	45.6
	Fall from stairs		291	9.3
	Fall from ladder		254	8.1
	Fall to lower level		214	6.9
	Fall from opening		28	0.9
	Fall from building		18	0.6
	Other falls		891	28.6
	Fire/burn		1,932	5.5
	Burn		1,820	94.2
External Cause	Fire		112	5.8
of Injury	Machinery		1,068	3.0
	Motor vehicle		872	2.5
	Driver/passenger motor vehicle		725	83.1
	Pedestrian		66	7.6
	Unspecified Person		59	6.8
	Natural/environmental		855	2.4
	Sting, non-poisonous		610	71.3
	Sting, poisonous		146	17.1
	Poisoning		142	0.4
	Other Transportation		103	0.3
	Other transportation		80	77.7
	Pedestrian, non motor vehicle		14	13.6
	Other <sup>a</sup>		3,897	11.1
	Unspecified & Missing		2,488	7.1

- Source: Emergency Discharge Data, for 1 Jan 2010 through 31 Dec 2014, Massachusetts Center for Health Information and Analysis.
- Counts not shown cells with less than 11 cases based on the CHIA rules pertaining to confidentiality. Numbers may not add to total due to missing
  information. Not all subcategories shown for each nature of injury category.
- An ED visit for an injury is defined as any case having an ICD-9-CM Nature of Injury Code of 800-999 in the primary diagnosis field. Attribution of work-relatedness is based on designation of Workers' Compensation Insurance as expected payer.
- External Cause of Injury groupings are based on ICD-9 Framework for Presenting Injury Mortality Data,' MMWR Recommendations and Reports, August 29, 1997, Volume 46/NORR-14.
  - (a) Other includes drowning, suffocation, firearm, other specified, and not elsewhere specified

### **Table 6. Visits Distributed by Month**

		Vis	sits
		Number of Visits	Percent of Visits
	Total	35,058	100
	January	2,450	7.0
	February	2,305	6.6
	March	2,511	7.2
	April	2,632	7.5
	May	3,108	8.9
Month	June	3,439	9.8
of Injury	July	3,809	10.9
	August	3,664	10.5
	September	2,972	8.5
	October	3,054	8.7
	November	2,625	7.5
	December	2,489	7.1

- Source: Emergency Discharge Data, for 1 Jan 2010 through 31 Dec 2014, Massachusetts Center for Health Information and Analysis.
- Counts not shown for cells with less than 11 cases based on the CHIA rules pertaining to confidentiality.
- An ED visit for an injury is defined as any case having an ICD-9-CM Nature of Injury Code of 800-999 in the primary diagnosis field. Attribution of work-relatedness is based on designation of Workers' Compensation Insurance as expected payer.