N = Number of	/isit		-						
% = Percent of $V$	/isits	All Visits							
		Ν	%	Visits per 10,000 FTEs	95% CI				
Total		36,696	100	276.6	274-279				
	18	2,553	7.0	302.2	291-314				
	19	4,142	11.3	375.7	364-387				
	20	5,013	13.7	298.9	291-307				
Age	21	5,465	14.9	313.4	305-322				
	22	6,232	17.0	294.8	288-302				
	23	6,590	18.0	249.3	243-255				
	24	6,701	18.3	213.3	208-218				
Gender⁺	Male	23,636	64.4	378.5	374-383				
Gender	Female	13,060	35.6	186.0	183-189				
	White only, non-Hispanic	27,595	75.2	275.3	272-278				
	Hispanic	4,931	13.4	287.3	279-295				
Race & Ethnicity⁺	Black only, non-Hispanic	2,246	6.1	301.2	289-314				
	Asian only, non-Hispanic	503	1.4	85.2	78-93				
	Multi-racial	287	0.8	75.4	67-84				
	2009	7,795	21.2	278.1	272-284				
Year of Hospital Visit	2010	7,724	21.0	313.3	306-320				
	2011	7,545	20.6	292.5	286-299				
	2012	7,127	19.4	260.1	254-266				
	2013	6,505	17.7	242.7	237-249				

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

(continued on next page)

Source: Emergency Discharge Data, for 1 Jan 2009 through 31 Dec 2013, 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 2009 through Dec 2013. \*Difference is significant based on 95% confidence intervals; however, the standard error of the denominator was not taken into account when calculating confidence intervals.

		All Visits					
		Ν	%	Visits per 10,000 FTEs	95% CI		
	Open wounds	14,660	39.9	110.5	109-112		
	Sprains	6,982	19.0	52.6	51-54		
	Superficial/Contusions	6,555	17.9	49.4	48-51		
	Burns	2,032	5.5	15.3	15-16		
	Fractures	1,462	4.0	11.0	11-12		
Nature of Injury	Internal organ	560	1.5	4.2	4-5		
	Crushing	475	1.3	3.6	3-4		
	Dislocations	261	0.7	2.0	1.7-2.2		
	Amputations	160	0.4	1.2	1.0-1.4		
	Other <sup>a</sup>	1,288	3.5	9.7	9-10		
	<b>Unspecified &amp; Missing</b>	2,261	6.2	17.0	16-18		
	Cut/pierce	11,081	30.2	83.5	82-85		
	Struck by/against	6,190	16.9	46.7	46-48		
	Overexertion	4,295	11.7	32.4	31-33		
	Falls	3,471	9.5	26.2	25-27		
	Fire/burn	2,004	5.5	15.1	14-16		
External	Machinery	1,169	3.2	8.8	8-9		
Cause of Injury	Motor vehicle	876	2.4	6.6	6-7		
	Natural/environmental	851	2.3	6.4	6-7		
	Poisoning	154	0.4	1.2	1.0-1.3		
	Other transportation	116	0.3	0.9	0.7-1.0		
	Other <sup>b</sup>	4,180	11.4	31.5	31-33		
	Unspecified & Missing	2,309	6.3	17.4	17-18		

### Table 1. Summary of All ED Visits

(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.

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.

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

# N =Number of Visits

% = Percent of Visits

		Gender				Race & Ethnicity							
		Males		Females		White non-Hispanic		Hispanic		Black non-Hispanic		Other, non-Hispanic	
		Ν	%	Ν	%	Ν	%	Ν	%	Ν	%	Ν	%
	Total	23,636	100	13,060	100	27,595	100	4,931	100	2,246	100	824	100
	Open wounds	10,569	44.7	4,091	31.3	11,159	40.4	2,003	40.6	726	32.3	332	40.3
	Sprains	3,901	16.5	3,081	23.6	5,157	18.7	957	19.4	555	24.7	130	15.8
	Superficial/ contusions	3,804	16.1	2,751	21.1	4,888	17.7	821	16.6	484	21.5	155	18.8
	Burns	1,091	4.6	941	7.2	1,471	5.3	328	6.7	116	5.2	48	5.8
	Fractures	1,074	4.5	388	3.0	1,103	4.0	219	4.4	62	2.8	31	3.8
Nature of Injury	Crushing	368	1.6	107	0.8	346	1.3	71	1.4	32	1.4	14	1.7
	Internal organ	306	1.3	254	1.9	471	1.7	47	1.0	24	1.1	11	1.3
	Dislocations	191	0.8	70	0.5	194	0.7	27	0.5	21	0.9	11	1.3
	Amputations	139	0.6	21	0.2	97	0.4	38	0.8	12	0.5	b	
	Other <sup>a</sup>	972	4.1	316	2.4	1,032	3.7	123	2.5	48	2.1	31	3.8
	Unspecified & Missing	1,221	5.2	1,040	8.0	1,677	6.1	297	6.0	166	7.4	b	

Source: Emergency Discharge Data, for 1 Jan 2009 through 31 Dec 2013, Massachusetts Center for Health Information and Analysis.

(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.

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.

# Table 3. Nature of Injury by Age

#### N = Number of Visits

% = Percent of Visits

			Age													
		18	3	19	19		20 2		21		22		23		24	
		Ν	%	Ν	%	Ν	%	Ν	%	Ν	%	Ν	%	Ν	%	
	Total	2,553	100	4,142	100	5,013	100	5,465	100	6,232	100	6,590	100	6,701	100	
	Open Wounds	1,237	48.5	1,881	45.4	2,168	43.2	2,142	39.2	2,394	38.4	2,451	37.2	2,387	35.6	
	Sprains	322	12.6	663	16.0	886	17.7	1,057	19.3	1,217	19.5	1,388	21.1	1,449	21.6	
	Superficial/ Contusions	400	15.7	652	15.7	816	16.3	998	18.3	1,165	18.7	1,238	18.8	1,286	19.2	
	Burns	210	8.2	316	7.6	310	6.2	298	5.5	333	5.3	278	4.2	287	4.3	
	Fractures	85	3.3	145	3.5	199	4.0	203	3.7	248	4.0	278	4.2	304	4.5	
Nature of Injury	Crushing	24	0.9	55	1.3	71	1.4	71	1.3	92	1.5	80	1.2	82	1.2	
	Internal Organ	51	2.0	60	1.4	82	1.6	75	1.4	93	1.5	102	1.5	97	1.4	
	Dislocations	16	0.6	30	0.7	30	0.6	44	0.8	43	0.7	45	0.7	53	0.8	
	Amputations	19	0.7	12	0.3	26	0.5	29	0.5	22	0.4	27	0.4	25	0.4	
	Other <sup>a</sup>	73	2.9	122	2.9	146	2.9	208	3.8	224	3.6	254	3.9	261	3.9	
	Unspecified & Missing	116	4.5	206	5.0	279	5.6	340	6.2	401	6.4	449	6.8	470	7.0	

Source: Emergency Discharge Data, for 1 Jan 2009 through 31 Dec 2013, Massachusetts Center for Health Information and Analysis.

(a) Other includes blood vessel injuries, nerve injuries, and system wide and late effect injuries.

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.

<ul> <li>N = Number of Visits</li> <li>6 = Percent of Visits</li> </ul>			Vis	sits
			N	%
		Total	36,696	100
	Open Wounds		14,660	39.9
	Extremities		13,390	91.3
	Head & neck		1,191	8.
	Sprains		6,982	19.0
	Extremities		3,982	57.
	Spine & Back		2,071	29.
	Torso		752	10.
	Superficial/contusions		6,555	17.9
	Extremities		4,235	64.
	Head & neck		1,552	23.
	Torso		657	10.
	Burns		2,032	5.5
	Extremities		1,665	81.
	Head & neck		287	14.
	Torso		65	3.
Nature of Injury by Body Region	Fractures		1,462	4.0
by Dody Region	Extremities		1,326	90.
	Head & neck		87	6.
	Internal Organ		560	1.5
	Head & neck*		552	98.
	Crushing		475	1.3
	Extremities		473	99.
	Dislocations		261	0.7
	Extremities		258	98.
	Amputations		160	0.4
	Extremities	160	10	
	Other <sup>a</sup>		1,288	3.5
	<b>Unspecified &amp; Missing</b>		2,261	6.2
	Extremities		945	41.
	Head & neck		1,026	45.4
	Torso		138	6.

## Table 4. Nature of Injury by Body Part

Source: Emergency Discharge Data, for 1 Jan 2009 through 31 Dec 2013, Massachusetts Center for Health Information and Analysis (a) Other includes blood vessel injuries and nerve injuries, system wide and late effect injuries.

\* 540 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.

### Table 5. External Cause of Injury

N = Number of Visits % = Percent of Visits

			Vis	its
			Ν	%
		Total	36,696	100
	Cut/pierce		11,081	30.2
	Struck by/against		6,190	16.9
	Overexertion		4,295	11.7
	Falls		3,471	9.5
	Fall to same level		1,634	47.1
	Fall from stairs		316	9.1
	Fall from ladder		263	7.6
	Fall to lower level		231	6.7
	Fall into opening		29	0.8
	Fall from building		21	0.6
	Fall to same level w/person		10	0.3
	Other falls		967	27.9
	Fire/burn		2,004	5.5
	Burn		1,889	94.3
External Cause	Fire		115	5.7
of Injury	Machinery		1,169	3.2
	Motor vehicle		876	2.4
	Driver/passenger motor vehicle		720	82.2
	Pedestrian		72	8.2
	Unspecified Person		59	6.7
	Natural/environmental		851	2.3
	Sting, non-poisonous		611	71.8
	Sting, poisonous		142	16.7
	Poisoning		154	0.4
	Other Transportation		116	0.3
	Other transportation		86	74.1
	Pedestrian, non motor vehicle		18	15.5
	Pedal cyclist, non motor vehicle		12	10.3
	Other <sup>a</sup>		4,180	11.4
	Unspecified & Missing		2,309	6.3

Source: Emergency Discharge Data, for 1 Jan 2009 through 31 Dec 2013, Massachusetts Center for Health Information and Analysis.

(a) Other includes drowning, suffocation, firearm, other specified, and not elsewhere specified

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.

### Table 6. Visits Distributed by Month

N = Number of Visits % = Percent of Visits

		Vis	sits
		Ν	%
	Total	36,696	100
	January	2,639	7.2
	February	2,417	6.6
	March	2,649	7.2
	April	2,751	7.5
	Мау	3,152	8.6
Month	June	3,563	9.7
of Injury	July	4,011	10.9
	August	3,886	10.6
	September	3,143	8.6
	October	3,158	8.6
	November	2,754	7.5
	December	2,573	7.0

Source: Emergency Discharge Data, for 1 Jan 2009 through 31 Dec 2013, 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.