

**MASSACHUSETTS CAUSE OF FATAL INJURY BY INTENT FOR AGES 1-4, 1993-97 MAF+**

<u>Cause of Injury</u>	<b>Intent</b>				Total MAF	Average Rate/100,000	95% C I	
	Unintentional MAF	Homicide MAF	Undetermined MAF	Other MAF			Lower	Upper
Cut/pierce	0.0	0.2	0.0	0.0	0.2	0.1	0.0	0.3
Drowning/submersion	4.6	0.0	0.2	*	4.8	1.4	0.1	2.8
Falls	1.6	0.0	0.0	*	1.6	0.5	0.0	1.2
Fire/hot object or substance	5.0	0.6	0.0	*	5.6	1.7	0.3	3.1
Firearms	0.0	0.6	0.0	0.0	0.6	0.2	0.0	0.6
Machinery	0.4	*	*	*	0.4	0.1	0.0	0.5
MV Traffic	4.4	*	0.0	*	4.4	1.3	0.1	2.6
<i>MV-Occupant</i>	1.6	*	*	*	1.6	0.5	0.0	1.2
<i>MV-Motorcycle</i>	0.0	*	*	*	0.0	0.0	--	--
<i>MV-Pedal Cycle</i>	0.0	*	*	*	0.0	0.0	--	--
<i>MV-Pedestrian</i>	2.4	*	*	*	2.4	0.7	0.0	1.7
<i>Unspecified</i>	0.4	*	*	*	0.4	0.1	0.0	0.5
Non MV-Pedal Cycle	0.0	*	*	*	0.0	0.0	--	--
Non MV-Pedestrian	0.0	*	*	*	0.0	0.0	--	--
Other Transport	0.0	*	0.0	*	0.0	0.0	--	--
Natural/environment	0.2	*	0.0	*	0.2	0.1	0.0	0.3
<i>Bites &amp; Stings</i>	0.2	*	*	*	0.2	0.1	0.0	0.3
Overexertion	0.0	*	*	*	0.0	0.0	--	--
Poisoning	0.0	0.0	0.0	0.0	0.0	0.0	--	--
Struck by/against	0.4	0.0	*	0.0	0.4	0.1	0.0	0.5
Suffocation	1.2	0.0	0.4	*	0.0	0.0	--	--
Other specified and classifiable	0.0	0.4	0.0	0.0	0.4	0.1	0.0	0.5
Other specified and not elsewhere classifiable	0.0	0.6	0.0	0.0	0.6	0.2	0.0	0.6
Unspecified	0.2	0.6	0.0	0.0	0.8	0.2	0.0	0.8
<b>All Injury</b>	<b>18.0</b>	<b>3.0</b>	<b>0.6</b>	<b>0.0</b>	<b>21.6</b>	<b>6.5</b>	3.7	9.3
<b>Total Injury Rates by Intent</b>	<b>5.4</b>	<b>0.9</b>	<b>0.2</b>	<b>0.0</b>	<b>6.5</b>			
Adverse events/effects^	*	*	*	*	0.0	0.0	--	--
<b>All External Causes</b>					<b>21.6</b>	<b>6.5</b>	3.7	9.3
<b>MIDYEAR POPULATION FOR AGES 1-4</b>					332611			

+Mean Annual Frequencies

Note: "\*" represents categories in which no E codes are assigned

^Adverse effects have been excluded from the "All Injury" category but are included in the "All External Causes" category.

Produced by Children's Safety Network National Injury Data Technical Assistance Center & Children's Safety Network Economics and Insurance Resource Center

Similar tables are available for all states at: <http://www.nidtac.org>

Rates presented in this table are based on 5-year averages. Rates based on small numbers are likely to be unstable. Thus, it may be inappropriate to make decisions based upon a comparison of the rates presented here with local single-year rates.

Data were obtained from the 1993-97 Multiple Cause-of-Death File CD-ROM Series, prepared by NCHS, Division of Vital Statistics and Division of Data Services

**MASSACHUSETTS UNDETERMINED FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 1993-1997**

<b><u>Cause of Injury</u></b>	Mean Annual Frequencies	Average Rate/100,000	Total Years Potential Life Lost	Total State Specific Estimated Lifetime Productivity Loss	Total State Specific Medical, Legal & Administrative Costs	Total Monetary Cost of Injury
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	0.2	0.1	14.72	\$207,371	\$5,733	\$213,103
Falls	0.0	0.0	0	\$0	\$0	\$0
Fire/hot object or substance	0.0	0.0	0	\$0	\$0	\$0
<i>Fire/flame</i>	0.0	0.0	0	\$0	\$0	\$0
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	0.0	0.0	0	\$0	\$0	\$0
MV Traffic	0.0	0.0	0	\$0	\$0	\$0
Other Transport	0.0	0.0	0	\$0	\$0	\$0
Natural/environment	0.0	0.0	0	\$0	\$0	\$0
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Suffocation	0.4	0.1	29.44	\$414,741	\$11,466	\$426,207
Other specified and classifiable	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	0.0	0.0	0	\$0	\$0	\$0
Unspecified	0.0	0.0	0	\$0	\$0	\$0

**MIDYEAR POPL FOR AGES 1-4**

332611

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**MASSACHUSETTS HOMICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 1993-97**

<b><u>Cause of Injury</u></b>	Mean Annual Frequencies	Average Rate/100,000	Total Years Potential Life Lost	Total State Specific Estimated Lifetime Productivity Loss	Total State Specific Medical, Legal & Administrative Costs	Total Monetary Cost of Injury
Cut/pierce	0.2	0.1	14.72	\$207,371	\$5,733	\$213,103
Drowning/submersion	0.0	0.0	0	\$0	\$0	\$0
Falls	0.0	0.0	0	\$0	\$0	\$0
Fire/hot object or substance	0.6	0.2	44.16	\$622,112	\$17,198	\$639,310
<i>Fire/flame</i>	0.6	0.2	44.16	\$622,112	\$17,198	\$639,310
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	0.6	0.2	44.16	\$622,112	\$17,198	\$639,310
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Struck by/against	0.0	0.0	0	\$0	\$0	\$0
Suffocation	0.0	0.0	0	\$0	\$0	\$0
Other specified and classifiable	0.4	0.1	29.44	\$414,741	\$11,466	\$426,207
Other specified, not elsewhere classifiable	0.6	0.2	44.16	\$622,112	\$1,092,485	\$1,714,597
Unspecified	0.6	0.2	44.16	\$622,112	\$17,198	\$639,310

**MIDYEAR POPL. FOR AGES 1-4**

332611

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**MASSACHUSETTS UNINTENTIONAL FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 1993-97**

<b><u>Cause of Injury</u></b>	Mean Annual Frequencies	Average Rate/100,000	Total Years Potential Life Lost	Total State Specific Estimated Lifetime Productivity Loss	Total State Specific Medical, Legal & Administrative Costs	Total Monetary Cost of Injury
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	4.6	1.4	338.56	\$4,769,524	\$131,855	\$4,901,379
Falls	1.6	0.5	117.76	\$1,658,965	\$45,863	\$1,704,828
Fire/hot object or substance	5.0	1.5	368	\$5,184,265	\$143,321	\$5,327,586
<i>Fire/flame</i>	5.0	1.5	368	\$5,184,265	\$143,321	\$5,327,586
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	0.0	0.0	0	\$0	\$0	\$0
Machinery	0.4	0.1	29.44	\$414,741	\$11,466	\$426,207
MV Traffic	4.4	1.3	323.84	\$4,562,154	\$913,023	\$5,475,177
<i>MV-Occupant</i>	1.6	0.5	117.76	\$1,658,965	\$332,008	\$1,990,973
<i>MV-Motorcycle</i>	0.0	0.0	0	\$0	\$0	\$0
<i>MV-Pedal Cycle</i>	0.0	0.0	0	\$0	\$0	\$0
<i>MV-Pedestrian</i>	2.4	0.7	176.64	\$2,488,447	\$498,013	\$2,986,460
<i>Unspecified</i>	0.4	0.1	29.44	\$414,741	\$83,002	\$497,743
Non MV-Pedal Cycle	0.0	0.0	0	\$0	\$0	\$0
Non MV-Pedestrian	0.0	0.0	0	\$0	\$0	\$0
Other Transport	0.0	0.0	0	\$0	\$0	\$0
Natural/environment	0.2	0.1	14.72	\$207,371	\$5,733	\$213,103
<i>Bites &amp; Stings</i>	0.2	0.1	14.72	\$207,371	\$5,733	\$213,103
Overexertion	0.0	0.0	0	\$0	\$0	\$0
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Struck by/against	0.4	0.1	29.44	\$414,741	\$11,466	\$426,207
Suffocation	1.2	0.4	88.32	\$1,244,224	\$34,397	\$1,278,621
Other specified and classifiable	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	0.0	0.0	0	\$0	\$0	\$0
Unspecified	0.2	0.1	14.72	\$207,371	\$5,733	\$213,103

**MIDYEAR POPL. FOR AGES 1-4**

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**MASSACHUSETTS FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 1993-97**

<b>Cause of Injury by Intent</b>	Mean Annual Frequencies	Average Rate/100,000	Total Years Potential Life Lost	Total State Specific Estimated Lifetime Productivity Loss	Total State Specific Medical, Legal & Administrative Costs	Total Monetary Cost of Injury
<b>Cut/pierce (TOTAL)</b>	<b>0.2</b>	<b>0.1</b>	<b>15</b>	<b>\$207,371</b>	<b>\$5,733</b>	<b>\$213,103</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.2	0.1	15	\$207,371	\$5,733	\$213,103
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Drowning/submersion (TOTAL)</b>	<b>4.8</b>	<b>1.4</b>	<b>353</b>	<b>\$4,976,895</b>	<b>\$137,588</b>	<b>\$5,114,483</b>
Unintentional	4.6	1.4	339	\$4,769,524	\$131,855	\$4,901,379
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.2	0.1	15	\$207,371	\$5,733	\$213,103
<b>Falls (TOTAL)</b>	<b>1.6</b>	<b>0.5</b>	<b>118</b>	<b>\$1,658,965</b>	<b>\$45,863</b>	<b>\$1,704,828</b>
Unintentional	1.6	0.5	118	\$1,658,965	\$45,863	\$1,704,828
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<b>Fire/hot object or substance (TOTAL)</b>	<b>5.6</b>	<b>1.7</b>	<b>412</b>	<b>\$5,806,377</b>	<b>\$160,519</b>	<b>\$5,966,896</b>
Unintentional	5.0	1.5	368	\$5,184,265	\$143,321	\$5,327,586
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.6	0.2	44	\$622,112	\$17,198	\$639,310
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<i>Fire/flames (TOTAL)</i>	<b>5.6</b>	<b>1.7</b>	<b>412</b>	<b>\$5,806,377</b>	<b>\$160,519</b>	<b>\$5,966,896</b>
<i>Unintentional</i>	5.0	1.5	368	\$5,184,265	\$143,321	\$5,327,586
<i>Suicide</i>	0.0	0.0	0	\$0	\$0	\$0
<i>Homicide</i>	0.6	0.2	44	\$622,112	\$17,198	\$639,310
<i>Undetermined</i>	0.0	0.0	0	\$0	\$0	\$0
<i>Hot object/substance (TOTAL)</i>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i>Unintentional</i>	0.0	0.0	0	\$0	\$0	\$0
<i>Suicide</i>	0.0	0.0	0	\$0	\$0	\$0
<i>Homicide</i>	0.0	0.0	0	\$0	\$0	\$0
<i>Undetermined</i>	0.0	0.0	0	\$0	\$0	\$0
<b>Firearm (TOTAL)</b>	<b>0.6</b>	<b>0.2</b>	<b>44</b>	<b>\$622,112</b>	<b>\$17,198</b>	<b>\$639,310</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.6	0.2	44	\$622,112	\$17,198	\$639,310
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Machinery (Unint)</b>	<b>0.4</b>	<b>0.1</b>	<b>29</b>	<b>\$414,741</b>	<b>\$11,466</b>	<b>\$426,207</b>

<b>Cause of Injury by Intent</b>	Mean Annual Frequencies	Average Rate/100,000	Total Years Potential Life Lost	Total State Specific Estimated Lifetime Productivity Loss	Total State Specific Medical, Legal & Administrative Costs	Total Monetary Cost of Injury
<b>MV traffic (Total)</b>	<b>4.4</b>	<b>1.3</b>	<b>324</b>	<b>\$4,562,154</b>	<b>\$913,023</b>	<b>\$5,475,177</b>
Unintentional	4.4	1.3	324	\$4,562,154	\$913,023	\$5,475,177
<i>MV-Occupant (Unint)</i>	1.6	0.5	118	\$1,658,965	\$332,008	\$1,990,973
<i>MV-Motorcyclist (Unint)</i>	0.0	0.0	0	\$0	\$0	\$0
<i>MV-Pedal Cyclist (Unint)</i>	0.0	0.0	0	\$0	\$0	\$0
<i>MV-Pedestrian (Unint)</i>	2.4	0.7	177	\$2,488,447	\$498,013	\$2,986,460
<i>Unspecified (Unint)</i>	0.4	0.1	29	\$414,741	\$83,002	\$497,743
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<b>Non MV-Pedal cyclist (Unint)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Non MV-Pedestrian (Unint)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Other Transport (TOTAL)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<b>Natural/environmental (TOTAL)</b>	<b>0.2</b>	<b>0.1</b>	<b>15</b>	<b>\$207,371</b>	<b>\$5,733</b>	<b>\$213,103</b>
Unintentional	0.2	0.1	15	\$207,371	\$5,733	\$213,103
<i>Bites &amp; Stings (Unint)</i>	0.2	0.1	15	\$207,371	\$5,733	\$213,103
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<b>Overexertion (Unint)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Poisoning (TOTAL)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Struck by/against (TOTAL)</b>	<b>0.4</b>	<b>0.1</b>	<b>29</b>	<b>\$414,741</b>	<b>\$11,466</b>	<b>\$426,207</b>
Unintentional	0.4	0.1	29	\$414,741	\$11,466	\$426,207
Homicide	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Suffocation (TOTAL)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Unintentional	1.2	0.4	88	\$1,244,224	\$34,397	\$1,278,621
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.4	0.1	29	\$414,741	\$11,466	\$426,207

<b>Cause of Injury by Intent</b>	Mean Annual Frequencies	Average Rate/100,000	Total Years Potential Life Lost	Total State Specific Estimated Lifetime Productivity Loss	Total State Specific Medical, Legal & Administrative Costs	Total Monetary Cost of Injury
<b>Other specified and classifiable</b>	<b>0.4</b>	<b>0.1</b>	<b>29</b>	<b>\$414,741</b>	<b>\$11,466</b>	<b>\$426,207</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.4	0.1	29	\$414,741	\$11,466	\$426,207
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Other specified, not elsewhere classifiable</b>	<b>0.6</b>	<b>0.2</b>	<b>44</b>	<b>\$622,112</b>	<b>\$17,198</b>	<b>\$639,310</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.6	0.2	44	\$622,112	\$1,092,485	\$1,714,597
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Unspecified</b>	<b>0.8</b>	<b>0.2</b>	<b>59</b>	<b>\$829,482</b>	<b>\$22,931</b>	<b>\$852,414</b>
Unintentional	0.2	0.1	15	\$207,371	\$5,733	\$213,103
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.6	0.2	44	\$622,112	\$17,198	\$639,310
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Total Unintentional</b>	<b>18.0</b>	<b>5.4</b>				
<b>Total Suicides</b>	<b>0.0</b>	<b>0.0</b>				
<b>Total Homicides</b>	<b>3.0</b>	<b>0.9</b>				
<b>Total Undetermined</b>	<b>0.6</b>	<b>0.2</b>				
<b>Total Other</b>	<b>0.0</b>	<b>0.0</b>				
<b>All Injury</b>	<b>21.6</b>	<b>6.5</b>				
<b>MIDYEAR POPL. FOR AGES 1-4</b>	<b>332611.0</b>			<b>Estimated Lifetime Productivity Loss State Multiplier</b>	<b>Medical, Legal &amp; Administrative Costs State Multiplier</b>	
<b>Adverse events/effects</b>	0.0	0.0		1.185	1.373	
<b>ALL EXTERNAL CAUSES</b>	<b>21.6</b>	<b>6.5</b>				

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