

MICHIGAN CAUSE OF FATAL INJURY BY INTENT FOR AGES 0-24, 1993-97 MAF+

<u>Cause of Injury</u>	<u>Intent</u>						Average	95% CI	
	Unintentional MAF	Suicide MAF	Homicide MAF	Undetermined MAF	Other MAF	Total MAF	Rate /100,000	Lower	Upper
Cut/pierce	0.4	0.2	4.6	0.0	0.0	5.2	0.1	0.0	0.3
Drowning/submersion	52.0	0.2	0.0	0.8	*	53.0	1.5	1.1	1.9
Falls	4.0	1.0	0.4	0.2	*	5.6	0.2	0.0	0.3
Fire/hot object or substance	56.2	1.6	6.6	1.4	*	65.8	1.9	1.4	2.4
Firearms	17.0	108.6	280.6	8.0	0.0	411.4	11.9	10.7	13.0
Machinery	3.6	*	*	*	*	3.6	0.1	0.0	0.2
MV Traffic	481.2	0.0	*	0.0	*	481.2	13.9	12.6	15.1
<i>MV-Occupant</i>	243.6	*	*	*	*	243.6	7.0	6.1	7.9
<i>MV-Motorcycle</i>	17.8	*	*	*	*	17.8	0.5	0.3	0.8
<i>MV-Pedal Cycle</i>	15.6	*	*	*	*	15.6	0.4	0.2	0.7
<i>MV-Pedestrian</i>	53.0	*	*	*	*	53.0	1.5	1.1	1.9
<i>Unspecified</i>	150.4	*	*	*	*	150.4	4.3	3.6	5.0
Non MV-Pedal Cycle	0.6	*	*	*	*	0.6	0.0	--	--
Non MV-Pedestrian	7.6	*	*	*	*	7.6	0.2	0.1	0.4
Other Transport	12.8	0.0	*	0.0	*	9.8	0.3	0.1	0.5
Natural/environment	3.0	0.0	*	0.0	*	2.0	0.1	0.0	0.1
<i>Bites & Stings</i>	0.4	*	*	*	*	0.4	0.0	--	--
Overexertion	0.0	*	*	*	*	0.0	0.0	--	--
Poisoning	13.6	17.2	0.2	6.0	0.0	21.4	0.6	0.3	0.9
Struck by/against	2.4	*	2.2	*	0.0	2.8	0.1	0.0	0.2
Suffocation	33.2	45.8	1.0	0.8	*	57.6	1.7	1.2	2.1
Other specified and classifiable	7.8	0.6	14.6	0.2	0.0	23.2	0.7	0.4	0.9
Other specified and not elsewhere classifiable	1.8	1.6	7.6	0.6	0.0	11.6	0.3	0.1	0.5
Unspecified	9.4	0.2	12.2	1.6	0.0	17.6	0.5	0.3	0.7
All Injury	706.6	177.0	330.0	19.6	0.0	1233.2	35.5	33.5	37.5
Total Injury Rates by Intent	20.4	5.1	9.5	0.6	0.0	35.5			
Adverse events/effects^	*	*	*	*	*	8.4	0.2	0.1	0.4
All External Causes						1241.6	35.8	33.7	37.8
MIDYEAR POPULATION FOR AGES 0-24						3471553			

+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

MICHIGAN UNDETERMINED FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 0-24, 1993-97

<u>Cause of Injury</u>	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 Injuries
Cut/pierce	0.0	0.0	0	0	0	0
Drowning/submersion	0.8	0.0	56	763,264	20,326	783,590
Falls	0.2	0.0	12	225,766	5,401	231,167
Fire/hot object or substance	1.4	0.0	96	1,383,809	36,011	1,419,820
<i>Fire/flame</i>	1.4	0.0	96	1,383,809	36,011	1,419,820
<i>Hot object/substance</i>	0.0	0.0	0	0	0	0
Firearms	8.0	0.2	480	8,961,754	215,428	9,177,181
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	6.0	0.2	369	6,579,216	160,270	6,739,487
Suffocation	0.8	0.0	55	780,710	20,486	801,195
Other specified and classifiable	0.2	0.0	12	225,766	5,401	231,167
Other specified, not elsewhere classifiable	0.6	0.0	42	577,677	15,292	592,969
Unspecified	1.6	0.0	106	1,625,912	41,562	1,667,473

MIDYEAR POPL. FOR AGES 0-24 3,471,553

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MICHIGAN HOMICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 0-24, 1993-97

<u>Cause of Injury</u>	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 Injuries
Cut/pierce	4.6	0.1	277	5,133,840	123,696	5,257,536
Drowning/submersion	0.0	0.0	0	0	0	0
Falls	0.4	0.0	24	451,531	10,803	462,334
Fire/hot object or substance	6.6	0.2	444	6,632,044	170,758	6,802,802
<i>Fire/flame</i>	6.6	0.2	444	6,632,044	170,758	6,802,802
<i>Hot object/substance</i>	0.0	0.0	0	0	0	0
Firearms	280.6	8.1	16,774	315,163,029	7,563,726	322,726,756
Poisoning	0.2	0.0	14	194,982	5,120	200,102
Struck by/against	2.2	0.1	132	2,469,648	59,290	2,528,937
Suffocation	1.0	0.0	65	1,034,024	26,139	1,060,163
Other specified and classifiable	14.6	0.4	1,062	13,414,879	366,237	13,781,117
Other specified, not elsewhere classifiable	7.6	0.2	499	7,835,978	3,010,602	10,846,580
Unspecified	12.2	0.4	816	12,333,501	316,322	12,649,824
MIDYEAR POPL. FOR AGES 0-24	3,471,553					

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Suicide

MICHIGAN SUICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 0-24, 1993-97

<u>Cause of Injury</u>	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 Injuries
Cut/pierce	0.2	0.0	12	225,766	5,401	231,167
Drowning/submersion	0.2	0.0	12	225,766	5,401	231,167
Falls	1.0	0.0	59	1,128,828	27,007	1,155,835
Fire/hot object or substance	1.6	0.0	96	1,792,351	43,086	1,835,436
<i>Fire/flame</i>	1.6	0.0	96	1,792,351	43,086	1,835,436
<i>Hot object/substance</i>	0.0	0.0	0	0	0	0
Firearms	108.6	3.1	6,477	122,218,824	2,929,587	125,148,411
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
Overexertion	17.2	0.5	1,024	19,388,294	464,273	19,852,567
Poisoning	17.2	0.5	1,024	19,388,294	464,273	19,852,567
Suffocation	45.8	1.3	2,742	51,397,293	1,234,159	52,631,452
Other specified and classifiable	0.6	0.0	36	677,297	16,204	693,501
Other specified, not elsewhere classifiable	1.6	0.0	95	1,806,125	43,212	1,849,337
Unspecified	0.2	0.0	12	225,766	5,401	231,167
MIDYEAR POPL. FOR AGES 0-24	3,471,553					

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MICHIGAN UNINTENTIONAL FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 0-24, 1993-97

<u>Cause of Injury</u>	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 Injuries
Cut/pierce	0.4	0.0	24	451,531	10,803	462,334
Drowning/submersion	52.0	1.5	3,479	52,590,995	1,348,464	53,939,459
Falls	4.0	0.1	251	4,300,172	106,060	4,406,232
Fire/hot object or substance	56.2	1.6	3,900	54,599,058	1,436,879	56,035,937
<i>Fire/flame</i>	55.8	1.6	3,870	54,242,331	1,426,944	55,669,275
<i>Hot object/substance</i>	0.4	0.0	30	356,727	9,935	366,662
Firearms	17.0	0.5	1,051	18,559,143	453,348	19,012,491
Machinery	3.6	0.1	220	3,974,665	96,410	4,071,076
MV Traffic	481.2	13.9	29,573	527,905,113	103,592,547	631,497,661
<i>MV-Occupant</i>	243.6	7.0	14,892	268,425,152	52,654,160	321,079,312
<i>MV-Motorcycle</i>	17.8	0.5	1,064	19,993,048	3,915,506	23,908,554
<i>MV-Pedal Cycle</i>	15.6	0.4	1,010	16,356,720	3,222,417	19,579,137
<i>MV-Pedestrian</i>	53.0	1.5	3,400	55,952,503	11,016,453	66,968,956
<i>Unspecified</i>	150.4	4.3	9,158	166,319,622	32,615,302	198,934,924
Non MV-Pedal Cycle	0.6	0.0	39	618,528	15,666	634,195
Non MV-Pedestrian	7.6	0.2	495	7,900,234	199,041	8,099,276
Other Transport	12.8	0.4	793	13,964,897	341,261	14,306,158
Natural/environment	3.0	0.1	201	3,021,914	77,684	3,099,599
<i>Bites & Stings</i>	0.4	0.0	28	392,763	10,265	403,028
Overexertion	0.0	0.0	0	0	0	0
Poisoning	13.6	0.4	854	14,626,283	360,656	14,986,938
Struck by/against	2.4	0.1	155	2,523,251	63,115	2,586,366
Suffocation	33.2	1.0	2,378	31,093,415	838,195	31,931,610
Other specified and classifiable	7.8	0.2	495	8,312,885	206,153	8,519,038
Other specified, not elsewhere classifiable	1.8	0.1	114	1,928,564	47,667	1,976,231
Unspecified	9.4	0.3	596	10,028,004	248,532	10,276,535
MIDYEAR POPL. FOR AGES 0-24	3,471,553					

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MICHIGAN FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 0-24, 1993-97

Cause of Injury by Intent	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 Injuries
Cut/pierce (TOTAL)	5.2	0.1	313	5,811,137	139,900	5,951,037
Unintentional	0.4	0.0	24	451,531	10,803	462,334
Suicide	0.2	0.0	12	225,766	5,401	231,167
Homicide	4.6	0.1	277	5,133,840	123,696	5,257,536
Undetermined	0.0	0.0	0	0	0	0
Other	0.0	0.0	0	0	0	0
Drowning/submersion (TOTAL)	53.0	1.5	3,547	53,580,024	1,374,192	54,954,216
Unintentional	52.0	1.5	3,479	52,590,995	1,348,464	53,939,459
Suicide	0.2	0.0	12	225,766	5,401	231,167
Homicide	0.0	0.0	0	0	0	0
Undetermined	0.8	0.0	56	763,264	20,326	783,590
Falls (TOTAL)	5.6	0.2	346	6,106,297	149,271	6,255,568
Unintentional	4.0	0.1	251	4,300,172	106,060	4,406,232
Suicide	1.0	0.0	59	1,128,828	27,007	1,155,835
Homicide	0.4	0.0	24	451,531	10,803	462,334
Undetermined	0.2	0.0	12	225,766	5,401	231,167
Fire/hot object or substance (TOTAL)	65.8	1.9	4,536	64,407,261	1,686,734	66,093,996
Unintentional	56.2	1.6	3,900	54,599,058	1,436,879	56,035,937
Suicide	1.6	0.0	96	1,792,351	43,086	1,835,436
Homicide	6.6	0.2	444	6,632,044	170,758	6,802,802
Undetermined	1.4	0.0	96	1,383,809	36,011	1,419,820
<i>Fire/flames (TOTAL)</i>	65.4	1.9	4,506	64,050,534	1,676,799	65,727,334
<i>Unintentional</i>	55.8	1.6	3,870	54,242,331	1,426,944	55,669,275
<i>Suicide</i>	1.6	0.0	96	1,792,351	43,086	1,835,436
<i>Homicide</i>	6.6	0.2	444	6,632,044	170,758	6,802,802
<i>Undetermined</i>	1.4	0.0	96	1,383,809	36,011	1,419,820
<i>Hot object/substance (TOTAL)</i>	0.4	0.0	30	356,727	9,935	366,662
<i>Unintentional</i>	0.4	0.0	30	356,727	9,935	366,662
<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
Firearm (TOTAL)	411.4	11.9	24,583	462,265,353	11,091,259	473,356,612
Unintentional	17.0	0.5	1,051	18,559,143	453,348	19,012,491
Suicide	108.6	3.1	6,477	122,218,824	2,929,587	125,148,411
Homicide	280.6	8.1	16,774	315,163,029	7,563,726	322,726,756
Undetermined	8.0	0.2	480	8,961,754	215,428	9,177,181
Other		0.0	36	677,297	16,204	693,501
Machinery (Unint)	3.6	0.1	220	3,974,665	96,410	4,071,076

<u>Cause of Injury by Intent</u>	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 Injuries
MV traffic (Total)	481.2	13.9	29,573	527,905,113	103,592,547	631,497,661
Unintentional	481.2	13.9	29,573	527,905,113	103,592,547	631,497,661
<i>MV-Occupant (Unint)</i>	243.6	7.0	14,892	268,425,152	52,654,160	321,079,312
<i>MV-Motorcyclist (Unint)</i>	17.8	0.5	1,064	19,993,048	3,915,506	23,908,554
<i>MV-Pedal Cyclist (Unint)</i>	15.6	0.4	1,010	16,356,720	3,222,417	19,579,137
<i>MV-Pedestrian (Unint)</i>	53.0	1.5	3,400	55,952,503	11,016,453	66,968,956
<i>Unspecified (Unint)</i>	150.4	4.3	9,158	166,319,622	32,615,302	198,934,924
Suicide	0.0	0.0	0	0	0	0
Undetermined	0.0	0.0	0	0	0	0
Non MV-Pedal cyclist (Unint)	0.6	0.0	39	618,528	15,666	634,195
Non MV-Pedestrian (Unint)	7.6	0.2	495	7,900,234	199,041	8,099,276
Other Transport (TOTAL)	9.8	0.3	598	10,816,246	262,417	11,078,663
Unintentional	12.8	0.4	793	13,964,897	341,261	14,306,158
Suicide	0.0	0.0	0	0	0	0
Undetermined	0.0	0.0	0	0	0	0
Natural/environmental (TOTAL)	2.0	0.1	128	2,106,100	52,627	2,158,727
Unintentional	3.0	0.1	201	3,021,914	77,684	3,099,599
<i>Bites & Stings (Unint)</i>	0.4	0.0	28	392,763	10,265	403,028
Suicide	0.0	0.0	0	0	0	0
Undetermined	0.0	0.0	0	0	0	0
Overexertion (Unint)	0.0	0.0	0	0	0	0
Poisoning (TOTAL)	21.4	0.6	1,271	24,156,920	577,956	24,734,877
Unintentional	13.6	0.4	854	14,626,283	360,656	14,986,938
Suicide	17.2	0.5	1,024	19,388,294	464,273	19,852,567
Homicide	0.2	0.0	14	194,982	5,120	200,102
Undetermined	6.0	0.2	369	6,579,216	160,270	6,739,487
Other	0.0	0.0	0	0	0	0
Struck by/against (TOTAL)	2.8	0.1	179	2,961,008	73,792	3,034,800
Unintentional	2.4	0.1	155	2,523,251	63,115	2,586,366
Homicide	2.2	0.1	132	2,469,648	59,290	2,528,937
Other	0.0	0.0	0	0	0	0
Suffocation (TOTAL)	57.6	1.7	3,795	59,196,497	1,502,295	60,698,791
Unintentional	33.2	1.0	2,378	31,093,415	838,195	31,931,610
Suicide	45.8	1.3	2,742	51,397,293	1,234,159	52,631,452
Homicide	1.0	0.0	65	1,034,024	26,139	1,060,163
Undetermined	0.8	0.0	55	780,710	20,486	801,195

Cause of Injury by Intent	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 Injuries
Other specified and classifiable	23.2	0.7	1,604	22,630,827	593,996	23,224,823
Unintentional	7.8	0.2	495	8,312,885	206,153	8,519,038
Suicide	0.6	0.0	36	677,297	16,204	693,501
Homicide	14.6	0.4	1,062	13,414,879	366,237	13,781,117
Undetermined	0.2	0.0	12	225,766	5,401	231,167
Other	0.0	0.0	0	0	0	0
Other specified, not elsewhere classifiable	11.6	0.3	749	12,148,344	304,624	12,452,968
Unintentional	1.8	0.1	114	1,928,564	47,667	1,976,231
Suicide	1.6	0.0	95	1,806,125	43,212	1,849,337
Homicide	7.6	0.2	499	7,835,978	3,010,602	10,846,580
Undetermined	0.6	0.0	42	577,677	15,292	592,969
Other	0.0	0.0	0	0	0	0
Unspecified	17.6	0.5	1,186	17,665,980	455,175	18,121,154
Unintentional	9.4	0.3	596	10,028,004	248,532	10,276,535
Suicide	0.2	0.0	12	225,766	5,401	231,167
Homicide	12.2	0.4	816	12,333,501	316,322	12,649,824
Undetermined	1.6	0.0	106	1,625,912	41,562	1,667,473
Other	0.0	0.0	0	0	0	0
Total Unintentional	706.6	20.4				
Total Suicides	177.0	5.1				
Total Homicides	330.0	9.5				
Total Undetermined	19.6	0.6				
Total Other	0.0	0.0				
All Injury	1233.2	35.5				
MIDYEAR POPL. FOR AGES 0-24	3471553.0					
Adverse events/effects	8.4	0.2				
ALL EXTERNAL CAUSES	1241.6	35.8				

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