

MICHIGAN CAUSE OF FATAL INJURY BY INTENT FOR AGES 15-19, 1993-97 MAF+

Cause of Injury	Intent						Average	95% CI	
	Unintentional MAF	Suicide MAF	Homicide MAF	Undetermined MAF	Other MAF	Total MAF	Rate/ 100,000	Lower	Upper
Cut/pierce	0.0	0.0	2.2	0.0	0.0	2.2	0.3	0.0	0.7
Drowning/submersion	10.2	0.0	0.0	0.0	*	10.2	1.5	0.5	2.4
Falls	0.6	0.6	0.2	0.2	*	1.6	0.2	0.0	0.6
Fire/hot object or substance	3.4	0.8	1.0	0.4	*	5.6	0.8	0.1	1.5
Firearms	8.0	45.8	111.6	4.6	0.4	170.4	24.5	20.8	28.3
Machinery	1.8	*	*	*	*	1.8	0.3	0.0	0.6
MV Traffic	192.4	0.0	*	0.0	*	192.4	27.7	23.7	31.7
<i>MV-Occupant</i>	103.0	*	*	*	*	103.0	14.8	11.9	17.8
<i>MV-Motorcycle</i>	4.6	*	*	*	*	4.6	0.7	0.0	1.3
<i>MV-Pedal Cycle</i>	3.0	*	*	*	*	3.0	0.4	0.0	0.9
<i>MV-Pedestrian</i>	13.6	*	*	*	*	13.6	2.0	0.9	3.0
<i>Unspecified</i>	67.8	*	*	*	*	67.8	9.8	7.4	12.1
Non MV-Pedal Cycle	0.2	*	*	*	*	0.2	0.0	--	--
Non MV-Pedestrian	2.2	*	*	*	*	2.2	0.3	0.0	0.7
Other Transport	4.0	0.0	*	0.0	*	4.0	0.6	0.0	1.2
Natural/environment	0.2	0.0	*	0.0	*	0.2	0.0	--	--
<i>Bites & Stings</i>	0.0	*	*	*	*	0.0	0.0	--	--
Overexertion	0.0	*	*	*	*	0.0	0.0	--	--
Poisoning	3.6	5.2	0.0	1.2	0.0	0.0	0.0	--	--
Struck by/against	0.4	*	1.4	*	0.0	0.0	0.0	--	--
Suffocation	3.0	15.2	0.2	0.0	*	0.0	0.0	--	--
Other specified and classifiable	1.2	0.6	1.0	0.2	0.0	3.0	0.4	0.0	0.9
Other specified and not elsewhere classifiable	0.2	1.2	1.4	0.0	0.0	2.8	0.4	0.0	0.9
Unspecified	3.2	0.0	2.4	0.2	0.0	0.0	0.0	--	--
All Injury	234.6	69.4	121.4	6.8	0.4	432.6	62.3	56.3	68.3
Total Injury Rates by Intent	33.8	10.0	17.5	1.0	0.1	62.3			
Adverse events/effects^	*	*	*	*	*	1.6	0.2	0.0	0.6
All External Causes						434.2	62.5	56.5	68.5
MIDYEAR POPULATION FOR AGES 15-19						694329			

+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 15-19, 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 Injury
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	0.0	0.0	0	\$0	\$0	\$0
Falls	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Fire/hot object or substance	0.4	0.1	24	\$451,531	\$10,803	\$462,334
<i>Fire/flame</i>	0.4	0.1	24	\$451,531	\$10,803	\$462,334
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	4.6	0.7	273	\$5,192,609	\$124,234	\$5,316,843
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	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Suffocation	0.0	0.0	0	\$0	\$0	\$0
Other specified and classifiable	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Other specified, not elsewhere classifiable	0.0	0.0	0	\$0	\$0	\$0
Unspecified	0.2	0.0	12	\$225,766	\$5,401	\$231,167

MIDYEAR POPL. FOR AGES 15-19

694,329

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MICHIGAN HOMICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 15-19, 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 Injury
Cut/pierce	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Drowning/submersion	0.0	0.0	0	\$0	\$0	\$0
Falls	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Fire/hot object or substance	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
<i>Fire/flame</i>	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	111.6	16.1	6,629	\$125,977,211	\$3,014,015	\$128,991,225
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Struck by/against	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Suffocation	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Other specified and classifiable	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
Other specified, not elsewhere classifiable	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Unspecified	2.4	0.3	143	\$2,709,187	\$64,818	\$2,774,005
MIDYEAR POPL. FOR AGES 15-19	694,329					

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MICHIGAN SUICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 15-19, 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 Injury
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	0.0	0.0	0	\$0	\$0	\$0
Falls	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Fire/hot object or substance	0.8	0.1	48	\$903,062	\$21,606	\$924,668
<i>Fire/flame</i>	0.8	0.1	48	\$903,062	\$21,606	\$924,668
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	45.8	6.6	2,721	\$51,700,325	\$1,236,934	\$52,937,259
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	5.2	0.7	309	\$5,869,906	\$140,438	\$6,010,344
Suffocation	15.2	2.2	903	\$17,158,186	\$410,511	\$17,568,697
Other specified and classifiable	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Other specified, not elsewhere classifiable	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Unspecified	0.0	0.0	0	\$0	\$0	\$0

MIDYEAR POPL. FOR AGES 15-19

694,329

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MICHIGAN UNINTENTIONAL FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 15-19, 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 Injury
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	10.2	1.5	606	\$11,514,046	\$275,474	\$11,789,521
Falls	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Fire/hot object or substance	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
<i>Fire/flame</i>	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	8.0	1.2	475	\$9,030,624	\$216,058	\$9,246,683
Machinery	1.8	0.3	107	\$2,031,890	\$48,613	\$2,080,504
MV Traffic	192.4	27.7	11429	\$217,186,517	\$42,516,839	\$259,703,356
<i>MV-Occupant</i>	103.0	14.8	6118	\$116,269,289	\$22,761,094	\$139,030,383
<i>MV-Motorcycle</i>	4.6	0.7	273	\$5,192,609	\$1,016,515	\$6,209,124
<i>MV-Pedal Cycle</i>	3.0	0.4	178	\$3,386,484	\$662,944	\$4,049,429
<i>MV-Pedestrian</i>	13.6	2.0	808	\$15,352,062	\$3,005,348	\$18,357,410
<i>Unspecified</i>	67.8	9.8	4027	\$76,534,542	\$14,982,545	\$91,517,087
Non MV-Pedal Cycle	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Non MV-Pedestrian	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Other Transport	4.0	0.6	238	\$4,515,312	\$108,029	\$4,623,341
Natural/environment	0.2	0.0	12	\$225,766	\$5,401	\$231,167
<i>Bites & Stings</i>	0.0	0.0	0	\$0	\$0	\$0
Overexertion	0.0	0.0	0	\$0	\$0	\$0
Poisoning	3.6	0.5	214	\$4,063,781	\$97,226	\$4,161,007
Struck by/against	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Suffocation	3.0	0.4	178	\$3,386,484	\$81,022	\$3,467,506
Other specified and classifiable	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Other specified, not elsewhere classifiable	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Unspecified	3.2	0.5	190	\$3,612,250	\$86,423	\$3,698,673

MIDYEAR POPL. FOR AGES 15-19

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MICHIGAN FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 15-19, 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 Injury
Cut/pierce (TOTAL)	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion (TOTAL)	10.2	1.5	606	\$11,514,046	\$275,474	\$11,789,521
Unintentional	10.2	1.5	606	\$11,514,046	\$275,474	\$11,789,521
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
Falls (TOTAL)	1.6	0.2	95	\$1,806,125	\$43,212	\$1,849,337
Unintentional	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Suicide	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Homicide	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Undetermined	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Fire/hot object or substance (TOTAL)	5.6	0.8	333	\$6,321,437	\$151,241	\$6,472,678
Unintentional	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
Suicide	0.8	0.1	48	\$903,062	\$21,606	\$924,668
Homicide	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
Undetermined	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Fire/flames (TOTAL)	5.6	0.8	333	\$6,321,437	\$151,241	\$6,472,678
Unintentional	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
Suicide	0.8	0.1	48	\$903,062	\$21,606	\$924,668
Homicide	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
Undetermined	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Hot object/substance (TOTAL)	0.0	0.0	0	\$0	\$0	\$0
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
Firearm (TOTAL)	170.4	24.5	10,122	\$192,352,300	\$4,602,044	\$196,954,344
Unintentional	8.0	1.2	475	\$9,030,624	\$216,058	\$9,246,683
Suicide	45.8	6.6	2,721	\$51,700,325	\$1,236,934	\$52,937,259
Homicide	111.6	16.1	6,629	\$125,977,211	\$3,014,015	\$128,991,225
Undetermined	4.6	0.7	273	\$5,192,609	\$124,234	\$5,316,843
Other	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Machinery (Unint)	1.8	0.3	107	\$2,031,890	\$48,613	\$2,080,504

<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 Injury
MV traffic (Total)	192.4	27.7	11,429	\$217,186,517	\$42,516,839	\$259,703,356
Unintentional	192.4	27.7	11,429	\$217,186,517	\$42,516,839	\$259,703,356
<i>MV-Occupant (Unint)</i>	103.0	14.8	6,118	\$116,269,289	\$22,761,094	\$139,030,383
<i>MV-Motorcyclist (Unint)</i>	4.6	0.7	273	\$5,192,609	\$1,016,515	\$6,209,124
<i>MV-Pedal Cyclist (Unint)</i>	3.0	0.4	178	\$3,386,484	\$662,944	\$4,049,429
<i>MV-Pedestrian (Unint)</i>	13.6	2.0	808	\$15,352,062	\$3,005,348	\$18,357,410
<i>Unspecified (Unint)</i>	67.8	9.8	4,027	\$76,534,542	\$14,982,545	\$91,517,087
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Non MV-Pedal cyclist (Unint)	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Non MV-Pedestrian (Unint)	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Other Transport (TOTAL)	4.0	0.6	238	\$4,515,312	\$108,029	\$4,623,341
Unintentional	4.0	0.6	238	\$4,515,312	\$108,029	\$4,623,341
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Natural/environmental (TOTAL)	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Unintentional	0.2	0.0	12	\$225,766	\$5,401	\$231,167
<i>Bites & Stings (Unint)</i>	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
Overexertion (Unint)	0.0	0.0	0	\$0	\$0	\$0
Poisoning (TOTAL)	0.0	0.0	0	\$0	\$0	\$0
Unintentional	3.6	0.5	214	\$4,063,781	\$97,226	\$4,161,007
Suicide	5.2	0.7	309	\$5,869,906	\$140,438	\$6,010,344
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Other	0.0	0.0	0	\$0	\$0	\$0
Struck by/against (TOTAL)	0.0	0.0	0	\$0	\$0	\$0
Unintentional	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Homicide	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Other	0.0	0.0	0	\$0	\$0	\$0
Suffocation (TOTAL)	0.0	0.0	0	\$0	\$0	\$0
Unintentional	3.0	0.4	178	\$3,386,484	\$81,022	\$3,467,506
Suicide	15.2	2.2	903	\$17,158,186	\$410,511	\$17,568,697
Homicide	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Undetermined	0.0	0.0	0	\$0	\$0	\$0

<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 Injury
Other specified and classifiable	3.0	0.4	178	\$3,386,484	\$81,022	\$3,467,506
Unintentional	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Suicide	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Homicide	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
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	2.8	0.4	166	\$3,160,719	\$75,620	\$3,236,339
Unintentional	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Suicide	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Homicide	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Unspecified	0.0	0.0	0	\$0	\$0	\$0
Unintentional	3.2	0.5	190	\$3,612,250	\$86,423	\$3,698,673
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	2.4	0.3	143	\$2,709,187	\$64,818	\$2,774,005
Undetermined	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Other	0.0	0.0	0	\$0	\$0	\$0
Total Unintentional	234.6	33.8				
Total Suicides	69.4	10.0				
Total Homicides	121.4	17.5				
Total Undetermined	6.8	1.0				
Total Other	0.4	0.1				
All Injury	432.6	62.3				
MIDYEAR POPL. FOR AGES 15-19	694329.0			Estimated Lifetime Productivity Loss State Multiplier	Medical, Legal & Administrative Costs State Multiplier	
Adverse events/effects	1.6	0.2		1.033	1.195	
ALL EXTERNAL CAUSES	434.2	62.5				

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