

MICHIGAN CAUSE OF FATAL INJURY BY INTENT FOR AGES 20-24, 1993-97 MAF+

<u>Cause of Injury</u>	<u>Intent</u>					Total MAF	Average	95% CI	
	Unintentional MAF	Suicide MAF	Homicide MAF	Undetermined MAF	Other MAF		Rate/ 100,000	Lower	Upper
Cut/pierce	0.4	0.2	2.0	0.0	0.0	2.6	0.4	0.0	0.9
Drowning/submersion	7.8	0.2	0.0	0.2	*	8.2	1.2	0.4	2.1
Falls	2.2	0.4	0.2	0.0	*	2.8	0.4	0.0	0.9
Fire/hot object or substance	6.8	0.6	1.4	0.0	*	8.8	1.3	0.4	2.2
Firearms	4.0	57.4	153.4	2.4	0.2	217.4	32.6	28.2	37.0
Machinery	1.0	*	*	*	*	1.0	0.1	0.0	0.4
MV Traffic	183.6	0.0	*	0.0	*	183.6	27.5	23.5	31.6
<i>MV-Occupant</i>	100.0	*	*	*	*	100.0	15.0	12.0	18.0
<i>MV-Motorcycle</i>	12.2	*	*	*	*	12.2	1.8	0.8	2.9
<i>MV-Pedal Cycle</i>	1.2	*	*	*	*	1.2	0.2	0.0	0.5
<i>MV-Pedestrian</i>	11.4	*	*	*	*	11.4	1.7	0.7	2.7
<i>Unspecified</i>	58.6	*	*	*	*	58.6	8.8	6.5	11.1
Non MV-Pedal Cycle	0.0	*	*	*	*	0.0	0.0	--	--
Non MV-Pedestrian	2.0	*	*	*	*	2.0	0.3	0.0	0.7
Other Transport	4.2	0.0	*	0.0	*	4.2	0.6	0.0	1.2
Natural/environment	1.0	0.0	*	0.0	*	1.0	0.1	0.0	0.4
<i>Bites & Stings</i>	0.0	*	*	*	*	0.0	0.0	--	--
Overexertion	0.0	*	*	*	*	0.0	0.0	--	--
Poisoning	6.0	11.6	0.0	3.8	0.0	21.4	3.2	1.8	4.6
Struck by/against	0.8	*	0.6	*	0.0	1.4	0.2	0.0	0.6
Suffocation	1.2	26.2	0.4	0.0	*	27.8	4.2	2.6	5.7
Other specified and classifiable	3.4	0.0	0.0	0.0	0.0	3.4	0.5	0.0	1.1
Other specified and not elsewhere classifiable	0.8	0.4	2.6	0.2	0.0	4.0	0.6	0.0	1.2
Unspecified	2.6	0.2	3.4	0.6	0.0	6.8	1.0	0.2	1.8
All Injury	227.8	97.2	164.0	7.2	0.2	496.4	74.4	67.7	81.1
Total Injury Rates by Intent	34.1	14.6	24.6	1.1	0.0	74.4			
Adverse events/effects^	*	*	*	*	*	1.6	0.2	0.0	0.6
All External Causes						498.0	74.6	67.9	81.3
MIDYEAR POPULATION FOR AGES 20-24						667282			

+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 20-24, 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 Injury
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	0.2	0.0	12	\$225,766	\$5,401	\$231,167
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	2.4	0.4	143	\$2,709,187	\$64,818	\$2,774,005
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	3.8	0.6	226	\$4,289,547	\$102,628	\$4,392,174
Suffocation	0.0	0.0	0	\$0	\$0	\$0
Other specified and classifiable	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Unspecified	0.6	0.1	36	\$677,297	\$16,204	\$693,501
MIDYEAR POPL. FOR AGES 20-24	667,282					

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MICHIGAN HOMICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 20-24, 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 Injury
Cut/pierce	2.0	0.3	119	\$2,257,656	\$54,015	\$2,311,671
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	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
<i>Fire/flame</i>	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	153.4	23.0	9,112	\$173,162,223	\$4,142,920	\$177,305,143
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Struck by/against	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Suffocation	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Other specified and classifiable	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	2.6	0.4	154	\$2,934,953	\$70,219	\$3,005,172
Unspecified	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
MIDYEAR POPL. FOR AGES 20-24	667,282					

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MICHIGAN SUICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 20-24, 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 Injury
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	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Fire/hot object or substance	0.6	0.1	36	\$677,297	\$16,204	\$693,501
<i>Fire/flame</i>	0.6	0.1	36	\$677,297	\$16,204	\$693,501
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	57.4	8.6	3,410	\$64,794,730	\$1,550,219	\$66,344,949
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	11.6	1.7	689	\$13,094,405	\$313,285	\$13,407,690
Suffocation	26.2	3.9	1,556	\$29,575,295	\$707,591	\$30,282,886
Other specified and classifiable	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Unspecified	0.2	0.0	12	\$225,766	\$5,401	\$231,167

MIDYEAR POPL. FOR AGES 20-24

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MICHIGAN UNINTENTIONAL FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 20-24, 1993-97

Cause of Injury	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	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Drowning/submersion	7.8	1.2	463	\$8,804,859	\$210,657	\$9,015,516
Falls	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Fire/hot object or substance	6.8	1.0	404	\$7,676,031	\$183,650	\$7,859,680
<i>Fire/flame</i>	6.8	1.0	404	\$7,676,031	\$183,650	\$7,859,680
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	4.0	0.6	238	\$4,515,312	\$108,029	\$4,623,341
Machinery	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
MV Traffic	183.6	27.5	10906	\$207,252,830	\$40,572,202	\$247,825,032
<i>MV-Occupant</i>	100.0	15.0	5940	\$112,882,805	\$22,098,149	\$134,980,954
<i>MV-Motorcycle</i>	12.2	1.8	725	\$13,771,702	\$2,695,974	\$16,467,676
<i>MV-Pedal Cycle</i>	1.2	0.2	71	\$1,354,594	\$265,178	\$1,619,771
<i>MV-Pedestrian</i>	11.4	1.7	677	\$12,868,640	\$2,519,189	\$15,387,829
<i>Unspecified</i>	58.6	8.8	3481	\$66,149,324	\$12,949,515	\$79,098,839
Non MV-Pedal Cycle	0.0	0.0	0	\$0	\$0	\$0
Non MV-Pedestrian	2.0	0.3	119	\$2,257,656	\$54,015	\$2,311,671
Other Transport	4.2	0.6	249	\$4,741,078	\$113,431	\$4,854,508
Natural/environment	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
<i>Bites & Stings</i>	0.0	0.0	0	\$0	\$0	\$0
Overexertion	0.0	0.0	0	\$0	\$0	\$0
Poisoning	6.0	0.9	356	\$6,772,968	\$162,044	\$6,935,012
Struck by/against	0.8	0.1	48	\$903,062	\$21,606	\$924,668
Suffocation	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Other specified and classifiable	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
Other specified, not elsewhere classifiable	0.8	0.1	48	\$903,062	\$21,606	\$924,668
Unspecified	2.6	0.4	154	\$2,934,953	\$70,219	\$3,005,172
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MICHIGAN FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 20-24, 1993-97

<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
Cut/pierce (TOTAL)	2.6	0.4	154	\$2,934,953	\$70,219	\$3,005,172
Unintentional	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Suicide	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Homicide	2.0	0.3	119	\$2,257,656	\$54,015	\$2,311,671
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion (TOTAL)	8.2	1.2	487	\$9,256,390	\$221,460	\$9,477,850
Unintentional	7.8	1.2	463	\$8,804,859	\$210,657	\$9,015,516
Suicide	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Falls (TOTAL)	2.8	0.4	166	\$3,160,719	\$75,620	\$3,236,339
Unintentional	2.2	0.3	131	\$2,483,422	\$59,416	\$2,542,838
Suicide	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Homicide	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Fire/hot object or substance (TOTAL)	8.8	1.3	523	\$9,933,687	\$237,664	\$10,171,351
Unintentional	6.8	1.0	404	\$7,676,031	\$183,650	\$7,859,680
Suicide	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Homicide	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Fire/flames (TOTAL)	8.8	1.3	523	\$9,933,687	\$237,664	\$10,171,351
Unintentional	6.8	1.0	404	\$7,676,031	\$183,650	\$7,859,680
Suicide	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Homicide	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Undetermined	0.0	0.0	0	\$0	\$0	\$0
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)	217.4	32.6	12,914	\$245,407,219	\$5,871,387	\$251,278,605
Unintentional	4.0	0.6	238	\$4,515,312	\$108,029	\$4,623,341
Suicide	57.4	8.6	3,410	\$64,794,730	\$1,550,219	\$66,344,949
Homicide	153.4	23.0	9,112	\$173,162,223	\$4,142,920	\$177,305,143
Undetermined	2.4	0.4	143	\$2,709,187	\$64,818	\$2,774,005
Other	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Machinery (Unint)	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835

<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)	183.6	27.5	10,906	\$207,252,830	\$40,572,202	\$247,825,032
Unintentional	183.6	27.5	10,906	\$207,252,830	\$40,572,202	\$247,825,032
<i>MV-Occupant (Unint)</i>	100.0	15.0	5,940	\$112,882,805	\$22,098,149	\$134,980,954
<i>MV-Motorcyclist (Unint)</i>	12.2	1.8	725	\$13,771,702	\$2,695,974	\$16,467,676
<i>MV-Pedal Cyclist (Unint)</i>	1.2	0.2	71	\$1,354,594	\$265,178	\$1,619,771
<i>MV-Pedestrian (Unint)</i>	11.4	1.7	677	\$12,868,640	\$2,519,189	\$15,387,829
<i>Unspecified (Unint)</i>	58.6	8.8	3,481	\$66,149,324	\$12,949,515	\$79,098,839
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Non MV-Pedal cyclist (Unint)	0.0	0.0	0	\$0	\$0	\$0
Non MV-Pedestrian (Unint)	2.0	0.3	119	\$2,257,656	\$54,015	\$2,311,671
Other Transport (TOTAL)	4.2	0.6	249	\$4,741,078	\$113,431	\$4,854,508
Unintentional	4.2	0.6	249	\$4,741,078	\$113,431	\$4,854,508
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Natural/environmental (TOTAL)	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
Unintentional	1.0	0.1	59	\$1,128,828	\$27,007	\$1,155,835
<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)	21.4	3.2	1,271	\$24,156,920	\$577,956	\$24,734,877
Unintentional	6.0	0.9	356	\$6,772,968	\$162,044	\$6,935,012
Suicide	11.6	1.7	689	\$13,094,405	\$313,285	\$13,407,690
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	3.8	0.6	226	\$4,289,547	\$102,628	\$4,392,174
Other	0.0	0.0	0	\$0	\$0	\$0
Struck by/against (TOTAL)	1.4	0.2	83	\$1,580,359	\$37,810	\$1,618,169
Unintentional	0.8	0.1	48	\$903,062	\$21,606	\$924,668
Homicide	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Other	0.0	0.0	0	\$0	\$0	\$0
Suffocation (TOTAL)	27.8	4.2	1,651	\$31,381,420	\$750,803	\$32,132,223
Unintentional	1.2	0.2	71	\$1,354,594	\$32,409	\$1,387,002
Suicide	26.2	3.9	1,556	\$29,575,295	\$707,591	\$30,282,886
Homicide	0.4	0.1	24	\$451,531	\$10,803	\$462,334
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	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
Unintentional	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
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
Other specified, not elsewhere classifiable	4.0	0.6	238	\$4,515,312	\$108,029	\$4,623,341
Unintentional	0.8	0.1	48	\$903,062	\$21,606	\$924,668
Suicide	0.4	0.1	24	\$451,531	\$10,803	\$462,334
Homicide	2.6	0.4	154	\$2,934,953	\$70,219	\$3,005,172
Undetermined	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Other	0.0	0.0	0	\$0	\$0	\$0
Unspecified	6.8	1.0	404	\$7,676,031	\$183,650	\$7,859,680
Unintentional	2.6	0.4	154	\$2,934,953	\$70,219	\$3,005,172
Suicide	0.2	0.0	12	\$225,766	\$5,401	\$231,167
Homicide	3.4	0.5	202	\$3,838,015	\$91,825	\$3,929,840
Undetermined	0.6	0.1	36	\$677,297	\$16,204	\$693,501
Other	0.0	0.0	0	\$0	\$0	\$0
Total Unintentional	227.8	34.1				
Total Suicides	97.2	14.6				
Total Homicides	164.0	24.6				
Total Undetermined	7.2	1.1				
Total Other	0.2	0.0				
All Injury	496.4	74.4				
MIDYEAR POPL. FOR AGES 20-24	667282.0			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	498.0	74.6				

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