

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

<u>Cause of Injury</u>	Intent				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	0.0	0.0	0.2
Drowning/submersion	14.8	0.0	0.4	*	15.2	2.7	1.3	4.2
Falls	0.4	0.0	0.0	*	0.4	0.1	0.0	0.3
Fire/hot object or substance	25.2	2.6	0.6	*	28.4	5.1	3.2	7.1
Firearms	1.4	1.4	0.0	0.0	2.8	0.5	0.0	1.1
Machinery	0.0	*	*	*	0.0	0.0	-	--
MV Traffic	25.4	*	0.0	*	25.4	4.6	2.8	6.4
<i>MV-Occupant</i>	12.6	*	*	*	12.6	2.3	1.0	3.6
<i>MV-Motorcycle</i>	0.2	*	*	*	0.2	0.0	--	--
<i>MV-Pedal Cycle</i>	0.6	*	*	*	0.6	0.1	--	--
<i>MV-Pedestrian</i>	5.8	*	*	*	5.8	1.0	0.2	1.9
<i>Unspecified</i>	6.0	*	*	*	6.0	1.1	0.2	2.0
Non MV-Pedal Cycle	0.2	*	*	*	0.2	0.0	--	--
Non MV-Pedestrian	2.4	*	*	*	2.4	0.4	--	1.0
Other Transport	0.2	*	0.0	*	0.0	0.0	--	--
Natural/environment	0.4	*	0.0	*	0.4	0.1	0.0	0.3
<i>Bites & Stings</i>	0.2	*	*	*	0.2	0.0	0.0	0.2
Overexertion	0.0	*	*	*	0.0	0.0	--	--
Poisoning	2.0	0.0	0.8	0.0	0.0	0.0	--	--
Struck by/against	0.2	0.0	*	0.0	0.2	0.0	--	--
Suffocation	4.4	0.2	0.2	*	0.0	0.0	--	--
Other specified and classifiable	1.4	5.6	0.0	0.0	7.0	1.3	0.3	2.2
Other specified and not elsewhere classifiable	0.2	1.8	0.0	0.0	2.0	0.4	0.0	0.9
Unspecified	0.8	2.6	0.0	0.0	3.4	0.6	0.0	1.3
All Injury	79.4	14.4	2.0	0.0	95.8	17.3	13.8	20.8
Total Injury Rates by Intent	14.3	2.6	0.4	0.0	17.3			
Adverse events/effects^	*	*	*	*	2.8	0.5	0.0	1.1
All External Causes					98.6	17.8	14.2	21.4
MIDYEAR POPULATION FOR AGES 1-4					553384			

+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 1-4, 1993-1997

<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	0.4	0.1	29.44	\$361,542	\$9,979	\$371,522
Falls	0.0	0.0	0	\$0	\$0	\$0
Fire/hot object or substance	0.6	0.1	44.16	\$542,314	\$14,969	\$557,282
<i>Fire/flame</i>	0.6	0.1	44.16	\$542,314	\$14,969	\$557,282
<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	0.8	0.1	58.88	\$723,085	\$19,958	\$743,043
Suffocation	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
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

553384

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MICHIGAN HOMICIDE RELATED INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 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	14.72	\$180,771	\$4,990	\$185,761
Drowning/submersion	0.0	0.0	0	\$0	\$0	\$0
Falls	0.0	0.0	0	\$0	\$0	\$0
Fire/hot object or substance	2.6	0.5	191.36	\$2,350,025	\$64,865	\$2,414,890
<i>Fire/flame</i>	2.6	0.5	191.36	\$2,350,025	\$64,865	\$2,414,890
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	1.4	0.3	103.04	\$1,265,398	\$34,927	\$1,300,325
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Struck by/against	0.0	0.0	0	\$0	\$0	\$0
Suffocation	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Other specified and classifiable	5.6	1.0	412.16	\$5,061,593	\$139,709	\$5,201,302
Other specified, not elsewhere classifiable	1.8	0.3	132.48	\$1,626,941	\$2,857,056	\$4,483,996
Unspecified	2.6	0.5	191.36	\$2,350,025	\$64,865	\$2,414,890

MIDYEAR POPL. FOR AGES 1-4

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MICHIGAN UNINTENTIONAL FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 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	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	14.8	2.7	1089.28	\$13,377,067	\$369,231	\$13,746,298
Falls	0.4	0.1	29.44	\$361,542	\$9,979	\$371,522
Fire/hot object or substance	25.2	4.6	1854.72	\$22,777,168	\$628,690	\$23,405,858
<i>Fire/flame</i>	25.0	4.5	1840	\$22,596,397	\$623,700	\$23,220,098
<i>Hot object/substance</i>	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Firearms	1.4	0.3	103.04	\$1,265,398	\$34,927	\$1,300,325
Machinery	0.0	0.0	0	\$0	\$0	\$0
MV Traffic	25.4	4.6	1869.44	\$22,957,940	\$4,587,332	\$27,545,272
<i>MV-Occupant</i>	12.6	2.3	927.36	\$11,388,584	\$2,275,606	\$13,664,190
<i>MV-Motorcycle</i>	0.2	0.0	14.72	\$180,771	\$36,121	\$216,892
<i>MV-Pedal Cycle</i>	0.6	0.1	44.16	\$542,314	\$108,362	\$650,676
<i>MV-Pedestrian</i>	5.8	1.0	426.88	\$5,242,364	\$1,047,501	\$6,289,865
<i>Unspecified</i>	6.0	1.1	441.6	\$5,423,135	\$1,083,622	\$6,506,757
Non MV-Pedal Cycle	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Non MV-Pedestrian	2.4	0.4	176.64	\$2,169,254	\$59,875	\$2,229,129
Other Transport	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Natural/environment	0.4	0.1	29.44	\$361,542	\$9,979	\$371,522
<i>Bites & Stings</i>	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Overexertion	0.0	0.0	0	\$0	\$0	\$0
Poisoning	2.0	0.4	147.2	\$1,807,712	\$49,896	\$1,857,608
Struck by/against	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Suffocation	4.4	0.8	323.84	\$3,976,966	\$109,771	\$4,086,737
Other specified and classifiable	1.4	0.3	103.04	\$1,265,398	\$34,927	\$1,300,325
Other specified, not elsewhere classifiable	0.2	0.0	14.72	\$180,771	\$4,990	\$185,761
Unspecified	0.8	0.1	58.88	\$723,085	\$19,958	\$743,043

MIDYEAR POPL. FOR AGES 1-4

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MICHIGAN FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES 1-4, 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)	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion (TOTAL)	15.2	2.7	1,119	\$13,738,610	\$379,210	\$14,117,819
Unintentional	14.8	2.7	1,089	\$13,377,067	\$369,231	\$13,746,298
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.4	0.1	29	\$361,542	\$9,979	\$371,522
Falls (TOTAL)	0.4	0.1	29	\$361,542	\$9,979	\$371,522
Unintentional	0.4	0.1	29	\$361,542	\$9,979	\$371,522
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
Fire/hot object or substance (TOTAL)	28.4	5.1	2,090	\$25,669,507	\$708,524	\$26,378,031
Unintentional	25.2	4.6	1,855	\$22,777,168	\$628,690	\$23,405,858
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	2.6	0.5	191	\$2,350,025	\$64,865	\$2,414,890
Undetermined	0.6	0.1	44	\$542,314	\$14,969	\$557,282
Fire/flames (TOTAL)	28.2	5.1	2,076	\$25,488,736	\$703,534	\$26,192,270
Unintentional	25.0	4.5	1,840	\$22,596,397	\$623,700	\$23,220,098
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	2.6	0.5	191	\$2,350,025	\$64,865	\$2,414,890
Undetermined	0.6	0.1	44	\$542,314	\$14,969	\$557,282
Hot object/substance (TOTAL)	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Unintentional	0.2	0.0	15	\$180,771	\$4,990	\$185,761
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)	2.8	0.5	206	\$2,530,796	\$69,854	\$2,600,651
Unintentional	1.4	0.3	103	\$1,265,398	\$34,927	\$1,300,325
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	1.4	0.3	103	\$1,265,398	\$34,927	\$1,300,325
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Machinery (Unint)	0.0	0.0	0	\$0	\$0	\$0

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
MV traffic (Total)	25.4	4.6	1,869	\$22,957,940	\$4,587,332	\$27,545,272
Unintentional	25.4	4.6	1,869	\$22,957,940	\$4,587,332	\$27,545,272
<i>MV-Occupant (Unint)</i>	12.6	2.3	927	\$11,388,584	\$2,275,606	\$13,664,190
<i>MV-Motorcyclist (Unint)</i>	0.2	0.0	15	\$180,771	\$36,121	\$216,892
<i>MV-Pedal Cyclist (Unint)</i>	0.6	0.1	44	\$542,314	\$108,362	\$650,676
<i>MV-Pedestrian (Unint)</i>	5.8	1.0	427	\$5,242,364	\$1,047,501	\$6,289,865
<i>Unspecified (Unint)</i>	6.0	1.1	442	\$5,423,135	\$1,083,622	\$6,506,757
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	15	\$180,771	\$4,990	\$185,761
Non MV-Pedestrian (Unint)	2.4	0.4	177	\$2,169,254	\$59,875	\$2,229,129
Other Transport (TOTAL)	0.0	0.0	0	\$0	\$0	\$0
Unintentional	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Suicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Natural/environmental (TOTAL)	0.4	0.1	29	\$361,542	\$9,979	\$371,522
Unintentional	0.4	0.1	29	\$361,542	\$9,979	\$371,522
<i>Bites & Stings (Unint)</i>	0.2	0.0	15	\$180,771	\$4,990	\$185,761
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	2.0	0.4	147	\$1,807,712	\$49,896	\$1,857,608
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.8	0.1	59	\$723,085	\$19,958	\$743,043
Other	0.0	0.0	0	\$0	\$0	\$0
Struck by/against (TOTAL)	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Unintentional	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Homicide	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Suffocation (TOTAL)	0.0	0.0	0	\$0	\$0	\$0
Unintentional	4.4	0.8	324	\$3,976,966	\$109,771	\$4,086,737
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Undetermined	0.2	0.0	15	\$180,771	\$4,990	\$185,761

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
Other specified and classifiable	7.0	1.3	515	\$6,326,991	\$174,636	\$6,501,627
Unintentional	1.4	0.3	103	\$1,265,398	\$34,927	\$1,300,325
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	5.6	1.0	412	\$5,061,593	\$139,709	\$5,201,302
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	2.0	0.4	147	\$1,807,712	\$49,896	\$1,857,608
Unintentional	0.2	0.0	15	\$180,771	\$4,990	\$185,761
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	1.8	0.3	132	\$1,626,941	\$2,857,056	\$4,483,996
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Unspecified	3.4	0.6	250	\$3,073,110	\$84,823	\$3,157,933
Unintentional	0.8	0.1	59	\$723,085	\$19,958	\$743,043
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	2.6	0.5	191	\$2,350,025	\$64,865	\$2,414,890
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
Total Unintentional	79.4	14.3				
Total Suicides	0.0	0.0				
Total Homicides	14.4	2.6				
Total Undetermined	2.0	0.4				
Total Other	0.0	0.0				
All Injury	95.8	17.3				
MIDYEAR POPL. FOR AGES 1-4	553384.0			Estimated Lifetime Productivity Loss State Multiplier	Medical, Legal & Administrative Costs State Multiplier	
Adverse events/effects	2.8	0.5		1.033	1.195	
ALL EXTERNAL CAUSES	98.6	17.8				

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