

**MICHIGAN CAUSE OF FATAL INJURY BY INTENT FOR AGES <1YEAR, 1993-1997 MAF<sup>+</sup>**

<b>Cause of Injury</b>	<b>Intent</b>				<b>Total</b>	<b>Average</b>	<b>95% C I</b>	
	<b>Unintentional</b>	<b>Homicide</b>	<b>Undetermined</b>	<b>Other</b>			<b>Rate/100,000</b>	<b>Lower</b>
	<b>MAF</b>	<b>MAF</b>	<b>MAF</b>	<b>MAF</b>	<b>MAF</b>			
Cut/pierce	0.0	0.0	0.0	0.0	0.0	0.0	--	--
Drowning/submersion	4.4	0.0	0.2	*	4.6	3.4	0.2	6.6
Falls	0.2	0.0	0.0	*	0.2	0.1	0.0	0.8
Fire/hot object or substance	3.8	0.4	0.0	*	4.2	3.1	0.1	6.2
Firearms	0.0	0.4	0.0	0.0	0.4	0.3	0.0	1.2
Machinery	0.0	*	*	*	0.0	0.0	--	--
MV Traffic	6.2	*	0.0	*	6.2	4.6	0.9	8.3
<i>MV-Occupant</i>	4.2	*	*	*	4.2	3.1	0.1	6.2
<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>	0.4	*	*	*	0.4	0.3	0.0	1.2
<i>Unspecified</i>	1.6	*	*	*	1.6	1.2	0.0	3.1
Non MV-Pedal Cycle	0.0	*	*	*	0.0	0.0	--	--
Non MV-Pedestrian	0.2	*	*	*	0.2	0.1	0.0	0.8
Other Transport	0.0	*	0.0	*	0.0	0.0	--	--
Natural/environment	0.8	*	0.0	*	0.0	0.0	--	--
<i>Bites &amp; Stings</i>	0.0	*	*	*	0.0	0.0	--	--
Overexertion	0.0	*	*	*	0.0	0.0	--	--
Poisoning	0.2	0.0	0.0	0.0	0.0	0.0	--	--
Struck by/against	0.4	0.0	*	0.0	0.4	0.3	0.0	1.2
Suffocation	19.4	0.2	0.2	*	19.8	14.7	8.1	21.3
Other specified and classifiable	0.2	6.4	0.0	0.0	6.6	4.9	1.1	8.7
Other specified, not elsewhere classifiable	0.0	1.0	0.4	0.0	1.4	1.0	0.0	2.8
Unspecified	0.6	3.0	0.6	0.0	4.2	3.1	0.1	6.2
<b>All Injury</b>	<b>36.4</b>	<b>11.4</b>	<b>1.4</b>	<b>0.0</b>	<b>49.2</b>	<b>36.5</b>	26.1	47.0
<b>Total Injury Rates by Intent</b>	<b>27.0</b>	<b>8.5</b>	<b>1.0</b>	<b>0.0</b>	<b>36.5</b>			
Adverse events/effects <sup>^</sup>	*	*	*	*	0.4	0.3	0.0	1.2
<b>All External Causes</b>					<b>49.6</b>	<b>36.8</b>	26.4	47.3
<b>MIDYEAR POPULATION FOR AGES &lt;1YR</b>					134642			

+ Mean Annual Frequencies

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

<sup>^</sup>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 INJURIES, RATES & ESTIMATED COSTS AGES <1 YEAR, 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 Injuries
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	0.2	0.1	15	\$175,956	\$4,945	\$180,901
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	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Other specified and classifiable	0.0	0.0	0	\$0	\$0	\$0
Other specified, not elsewhere classifiable	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Unspecified	0.6	0.4	45	\$527,867	\$14,836	\$542,703

**MIDYEAR POPL. FOR AGES <1YR**

134,642

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 HOMICIDE RELATED INJURIES, RATES & ESTIMATED COSTS FOR AGES <1 YEAR, 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	0.0	0.0	0	\$0	\$0	\$0
Falls	0.0	0.0	0	\$0	\$0	\$0
Fire/hot object or substance	0.4	0.3	30	\$351,911	\$9,891	\$361,802
<i>Fire/flame</i>	0.4	0.3	30	\$351,911	\$9,891	\$361,802
<i>Hot object/substance</i>	0.0	0.0	0	\$0	\$0	\$0
Firearms	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Poisoning	0.0	0.0	0	\$0	\$0	\$0
Struck by/against	0.0	0.0	0	\$0	\$0	\$0
Suffocation	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Other specified and classifiable	6.4	4.8	481	\$5,630,584	\$158,252	\$5,788,836
Other specified, not elsewhere classifiable	1.0	0.7	75	\$879,779	\$24,727	\$904,506
Unspecified	3.0	2.2	226	\$2,639,336	\$74,181	\$2,713,517

**MIDYEAR POPL FOR AGES <1YR**

134,642

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 UNINTENTIONAL FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES <1 YEAR, 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 Injuries
Cut/pierce	0.0	0.0	0	\$0	\$0	\$0
Drowning/submersion	4.4	3.3	331	\$3,871,026	\$108,799	\$3,979,825
Falls	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Fire/hot object or substance	3.8	2.8	286	\$3,343,159	\$93,962	\$3,437,122
<i>Fire/flame</i>	3.6	2.7	271	\$3,167,203	\$89,017	\$3,256,220
<i>Hot object/substance</i>	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Firearms	0.0	0.0	0	\$0	\$0	\$0
Machinery	0.0	0.0	0	\$0	\$0	\$0
MV Traffic	6.2	4.6	466	\$5,454,628	\$1,092,944	\$6,547,572
<i>MV-Occupant</i>	4.2	3.1	316	\$3,695,071	\$740,382	\$4,435,452
<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>	0.4	0.3	30	\$351,911	\$70,513	\$422,424
<i>Unspecified</i>	1.6	1.2	120	\$1,407,646	\$282,050	\$1,689,696
Non MV-Pedal Cycle	0.0	0.0	0	\$0	\$0	\$0
Non MV-Pedestrian	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Other Transport	0.0	0.0	0	\$0	\$0	\$0
Natural/environment	0.8	0.6	60	\$703,823	\$19,782	\$723,605
<i>Bites &amp; Stings</i>	0.0	0.0	0	\$0	\$0	\$0
Overexertion	0.0	0.0	0	\$0	\$0	\$0
Poisoning	0.2	0.1	15	\$0	\$0	\$0
Struck by/against	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Suffocation	19.4	14.4	1,459	\$17,067,707	\$479,703	\$17,547,410
Other specified and classifiable	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Other specified, not elsewhere classifiable	0.0	0.0	0	\$0	\$0	\$0
Unspecified	0.6	0.4	45	\$527,867	\$14,836	\$542,703

**MIDYEAR POPL. FOR AGES <1YR**

134,642

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 FATAL INJURY INCIDENCES, RATES AND ESTIMATED COSTS FOR AGES <1 YEAR, 1993-1997**

<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 Injuries
<b>Cut/pierce (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>Drowning/submersion (TOTAL)</b>	<b>4.6</b>	<b>3.4</b>	<b>346</b>	<b>\$4,046,982</b>	<b>\$113,744</b>	<b>\$4,160,726</b>
Unintentional	4.4	3.3	331	\$3,871,026	\$108,799	\$3,979,825
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.0	0.0	0	\$0	\$0	\$0
Undetermined	0.2	0.1	15	\$175,956	\$4,945	\$180,901
<b>Falls (TOTAL)</b>	<b>0.2</b>	<b>0.1</b>	<b>15</b>	<b>\$175,956</b>	<b>\$4,945</b>	<b>\$180,901</b>
Unintentional	0.2	0.1	15	\$175,956	\$4,945	\$180,901
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>4.2</b>	<b>3.1</b>	<b>316</b>	<b>\$3,695,071</b>	<b>\$103,853</b>	<b>\$3,798,924</b>
Unintentional	3.8	2.8	286	\$3,343,159	\$93,962	\$3,437,122
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<b>Fire/flames (TOTAL)</b>	<b>4.0</b>	<b>3.0</b>	<b>301</b>	<b>\$3,519,115</b>	<b>\$98,908</b>	<b>\$3,618,023</b>
Unintentional	3.6	2.7	271	\$3,167,203	\$89,017	\$3,256,220
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Undetermined	0.0	0.0	0	\$0	\$0	\$0
<b>Hot object/substance (TOTAL)</b>	<b>0.2</b>	<b>0.1</b>	<b>15</b>	<b>\$175,956</b>	<b>\$4,945</b>	<b>\$180,901</b>
Unintentional	0.2	0.1	15	\$175,956	\$4,945	\$180,901
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>Firearm (TOTAL)</b>	<b>0.4</b>	<b>0.3</b>	<b>30</b>	<b>\$351,911</b>	<b>\$9,891</b>	<b>\$361,802</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Undetermined	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Machinery (Unint)</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<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
<b>MV traffic (Total)</b>	<b>6.2</b>	<b>4.6</b>	<b>466</b>	<b>\$5,454,628</b>	<b>\$1,092,944</b>	<b>\$6,547,572</b>
Unintentional	6.2	4.6	466	\$5,454,628	\$1,092,944	\$6,547,572
<i>MV-Occupant (Unint)</i>	4.2	3.1	316	\$3,695,071	\$740,382	\$4,435,452
<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>	0.4	0.3	30	\$351,911	\$70,513	\$422,424
<i>Unspecified (Unint)</i>	1.6	1.2	120	\$1,407,646	\$282,050	\$1,689,696
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>0.2</b>	<b>0.1</b>	<b>15</b>	<b>\$175,956</b>	<b>\$4,945</b>	<b>\$180,901</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>0.0</b>	<b>0.0</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Unintentional	0.8	0.6	60	\$703,823	\$19,782	\$723,605
<i>Bites &amp; 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
<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	0.2	0.1	15	\$175,956	\$4,945	\$180,901
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>0.3</b>	<b>30</b>	<b>\$351,911</b>	<b>\$9,891</b>	<b>\$361,802</b>
Unintentional	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Homicide	0.0	0.0	0	\$0	\$0	\$0
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Suffocation (TOTAL)</b>	<b>19.8</b>	<b>14.7</b>	<b>1,489</b>	<b>\$17,419,619</b>	<b>\$489,593</b>	<b>\$17,909,212</b>
Unintentional	19.4	14.4	1,459	\$17,067,707	\$479,703	\$17,547,410
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Undetermined	0.2	0.1	15	\$175,956	\$4,945	\$180,901

<b><u>Cause of Injury by Intent</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 Injuries
<b>Other specified and classifiable</b>	<b>6.6</b>	<b>4.9</b>	<b>496</b>	<b>\$5,806,540</b>	<b>\$163,198</b>	<b>\$5,969,737</b>
Unintentional	0.2	0.1	15	\$175,956	\$4,945	\$180,901
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	6.4	4.8	481	\$5,630,584	\$158,252	\$5,788,836
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>1.4</b>	<b>1.0</b>	<b>105</b>	<b>\$1,231,690</b>	<b>\$34,618</b>	<b>\$1,266,308</b>
Unintentional	0.0	0.0	0	\$0	\$0	\$0
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	1.0	0.7	75	\$879,779	\$24,727	\$904,506
Undetermined	0.4	0.3	30	\$351,911	\$9,891	\$361,802
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Unspecified</b>	<b>4.2</b>	<b>3.1</b>	<b>316</b>	<b>\$3,695,071</b>	<b>\$103,853</b>	<b>\$3,798,924</b>
Unintentional	0.6	0.4	45	\$527,867	\$14,836	\$542,703
Suicide	0.0	0.0	0	\$0	\$0	\$0
Homicide	3.0	2.2	226	\$2,639,336	\$74,181	\$2,713,517
Undetermined	0.6	0.4	45	\$527,867	\$14,836	\$542,703
Other	0.0	0.0	0	\$0	\$0	\$0
<b>Total Unintentional</b>	<b>36.4</b>	<b>27.0</b>				
<b>Total Suicides</b>	<b>0.0</b>	<b>0.0</b>				
<b>Total Homicides</b>	<b>11.4</b>	<b>8.5</b>				
<b>Total Undetermined</b>	<b>1.4</b>	<b>1.0</b>				
<b>Total Other</b>	<b>0.0</b>	<b>0.0</b>				
<b>All Injury</b>	<b>49.2</b>	<b>36.5</b>				
<b>MIDYEAR POPL. FOR AGES &lt;1 YEAR</b>	<b>134642.0</b>			<b>Estimated Lifetime Productivity Loss State Multiplier</b>	<b>Medical, Legal &amp; Administrative Costs State Multiplier</b>	
<b>Adverse events/effects</b>	0.4	0.3		1.033	1.195	
<b>ALL EXTERNAL CAUSES</b>	<b>49.6</b>	<b>36.8</b>				

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