

Miami County Injury Profile

Injury Deaths (2000-2011)

| | Miami County (rates per 100,000) | | |
|----------------------|----------------------------------|-------------|-------------|
| | 2000-2003 | 2004 - 2007 | 2008 - 2011 |
| Homicide | 1.5* | 1.6* | + |
| Suicide | 10.4 | 10.6 | 9.6 |
| Unintentional Injury | 37.8 | 45.4 | 41.7 |

Descriptive Notes:

- Homicide rates were similar in 2000-2007.
- Suicide rates were similar in 2000-2007 then decreased in 2008-2011.
- Unintentional injury rates increased from 2000-2003 to 2004-2007 then leveled off in 2008-2011.
- (*) Rates should be interpreted with caution due rates being based on less than 20 deaths.

Injury Hospitalizations (2003-11)

| | Miami County (rates per 100,000) | | | | | | | | | |
|----------------------|----------------------------------|------|------|------|------|------|------|------|------|--|
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | |
| Assault | 6.9 | 6.9 | 6.9 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | + | |
| Self-Harm | 46 | 68 | 71 | 61 | 79 | + | + | + | + | |
| Unintentional Injury | 302 | 340 | 316 | 283 | 308 | + | + | + | + | |

Descriptive Notes:

- Assault rates decreased from 2002-2005 to 2006-2009.
- Self-harm hospitalization rates were similar in 2002 and 2003 then increased in 2004 and remained elevated through 2007.
- Unintentional injury hospitalization rates fluctuated between 2002 and 2007.
- (+) Rates were suppressed due to external cause of injury coding rates well below the state average (<65%) in 2008-2011.

Injury Emergency Department Visits (2003-11)

| | Miami County (rates per 100,000) | | | | | | | | | |
|----------------------|----------------------------------|--------|--------|-------|-------|-------|-------|-------|-------|--|
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | |
| Assault | 269 | 347 | 286 | 316 | 314 | 276 | 256 | 311 | 233 | |
| Self-Harm | 90 | 83 | 111 | 68 | 76 | 81 | 113 | 112 | 113 | |
| Unintentional Injury | 10,545 | 10,716 | 10,021 | 9,651 | 9,821 | 9,820 | 9,634 | 9,475 | 7,589 | |

Descriptive Notes:

- Assault ED visit rates increased from 2002 to 2004 then increased in 2005 and fluctuated between 2006 and 2011.
- Self-harm ED visit rates decreased in 2002-2004 except for outlying rate in 2005.
- Unintentional injury rates decreased in 2002-2007.



Injury Cost Estimates for Miami County:

- Fatal and non-fatal injuries cost* \$113 million in medical care and work loss in 2011.
- Injuries cost on average \$1,103 per Miami County resident in 2011.

*Costs are reported in 2005 U.S. dollars and based on national estimates for average cost of injury deaths, hospitalizations, and ED visits developed by the Centers for Disease Control and Prevention.

Leading Injuries by Severity

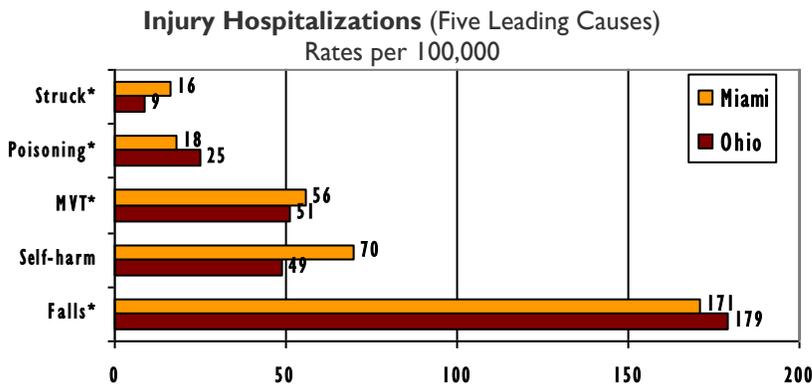
Injury Deaths (2008-2011)



Descriptive Notes:

- Poisoning, motor vehicle crashes, suicide, falls and suffocation were the leading causes of injury death among Miami County residents
- Motor vehicle crash death rate among Miami County residents was higher than the state average.
- Poisoning and suffocation death rate among Miami County residents was higher than the state average.
- Suicide death rates among Miami County residents were lower than the state average.

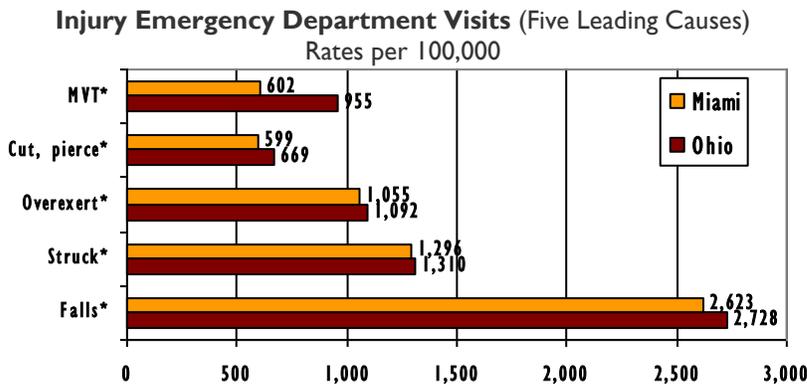
Injury Hospitalizations (2005-2007)



Descriptive Notes:

- Falls, self-harm, motor vehicle traffic crashes, poisoning and being struck were the leading causes of injury hospitalization among Miami County residents.
- Self-harm, motor vehicle traffic crash and being struck hospitalization rates among Miami County residents were higher than the state average.
- Poisoning hospitalization rates among Miami County residents were lower than the state average while fall hospitalization rates were similar to the state average.

Injury Emergency Department Visits (2011)



Descriptive Notes:

- Falls, being struck, overexertion, cuts or pierces and motor vehicle traffic crashes were the leading causes of injury ED visits among Miami County residents.
- ED visit rates resulting from falls, being struck, overexertion, falls and cuts or pierces among Miami County residents were higher than the state average.



Every week in Miami County:

- 1 person dies every week from an injury.
- 12 hospitalizations are caused by an injury.
- 243 ED visits are caused by an injury.

Leading Injuries by Age

Child/Young Adult (0-24 Years)

| | Deaths | |
|--------------|--------------------|-------------------------|
| | Number (2008-2011) | Annual Rate Per 100,000 |
| Poisoning* | <5 | + |
| Suicide | 6 | + |
| Falls* | 0 | 0 |
| MVTC* | 18 | 14.3 |
| Suffocation* | 5 | + |

| | Hospitalizations | |
|------------|--------------------|-------------------------|
| | Number (2005-2007) | Annual Rate Per 100,000 |
| Poisoning* | 11 | + |
| Self-Harm | 51 | 52.7 |
| Falls* | 35 | 36.2 |
| MVTC* | 53 | 54.8 |
| Struck* | 11 | + |

| | Emergency Department Visits | |
|--------------|-----------------------------|-------------------------|
| | Number (2011) | Annual Rate Per 100,000 |
| Overexert* | 345 | 1,070.0 |
| Struck* | 741 | 2,298.2 |
| Falls* | 1,016 | 3,151.1 |
| MVTC* | 226 | 700.9 |
| Cut, pierce* | 229 | 710.2 |

Adult (25-64 Years)

| | Deaths | |
|--------------|--------------------|-------------------------|
| | Number (2008-2011) | Annual Rate Per 100,000 |
| Poisoning* | 56 | 25.8 |
| Suicide | 29 | 13.4 |
| Falls* | <5 | + |
| MVTC* | 15 | 6.9 |
| Suffocation* | <5 | + |

| | Hospitalizations | |
|------------|--------------------|-------------------------|
| | Number (2005-2007) | Annual Rate Per 100,000 |
| Poisoning* | 35 | 21.5 |
| Self-Harm | 142 | 87.4 |
| Falls* | 134 | 82.4 |
| MVTC* | 93 | 57.2 |
| Struck* | 12 | + |

| | Emergency Department Visits | |
|--------------|-----------------------------|-------------------------|
| | Number (2011) | Annual Rate Per 100,000 |
| Overexert* | 589 | 1,081.8 |
| Struck* | 403 | 740.2 |
| Falls* | 1,042 | 1,913.8 |
| MVTC* | 301 | 552.8 |
| Cut, pierce* | 298 | 547.3 |

Older Adult (65+ Years)

| | Deaths | |
|--------------|--------------------|-------------------------|
| | Number (2008-2011) | Annual Rate Per 100,000 |
| Poisoning* | <5 | + |
| Suicide | 7 | + |
| Falls* | 35 | 55.8 |
| MVTC* | 10 | 15.9 |
| Suffocation* | <5 | + |

| | Hospitalizations | |
|------------|--------------------|-------------------------|
| | Number (2005-2007) | Annual Rate Per 100,000 |
| Poisoning* | 9 | + |
| Self-Harm | 7 | + |
| Falls* | 403 | 937.3 |
| MVTC* | 20 | 46.5 |
| Struck* | <5 | + |

| | Emergency Department Visits | |
|--------------|-----------------------------|-------------------------|
| | Number (2011) | Annual Rate Per 100,000 |
| Overexert* | 63 | 389.7 |
| Struck* | 63 | 389.7 |
| Falls* | 626 | 3,872.3 |
| MVTC* | 45 | 278.4 |
| Cut, pierce* | 43 | 266.0 |

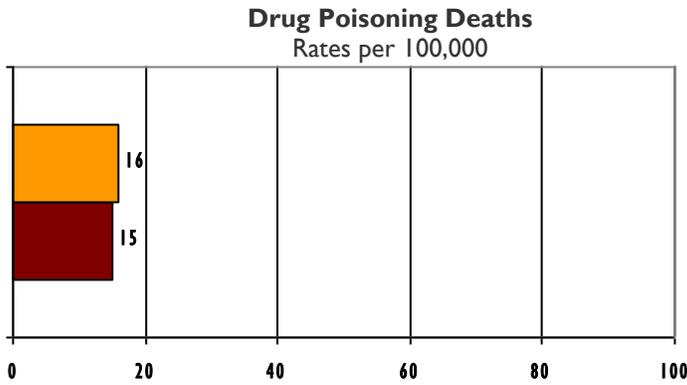


Technical Notes

- Mechanisms noted with an (*) are unintentional injuries.
- All rates are age-adjusted and expressed as injuries per 100,000 people.
- Differences between the county and state are noted when differences in rates are at or more than +/- 10 percent.
- MVT refers to occupants of motor vehicle traffic crashes.
- (+) Rates suppressed due to counts of less than 20.
- All rates on pages 1, 2, and 4 are age adjusted to the 2000 U.S. standard population.

Drug Poisoning

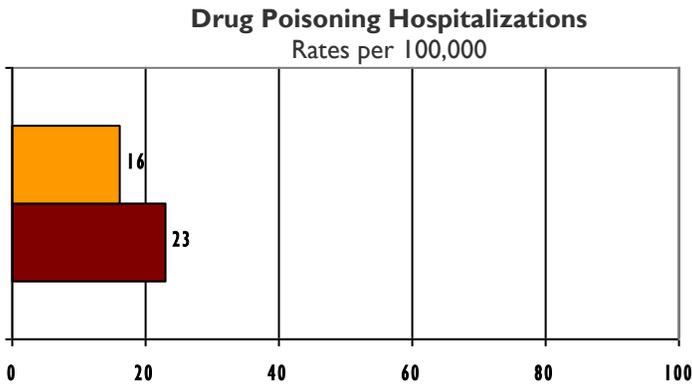
Drug Poisoning Deaths (2008-2011)



Descriptive Notes:

- 61 Miami County residents died from an unintentional drug poisoning in 2008-2011.
- Unintentional drug poisoning death rates among Miami County residents was higher than the state average.

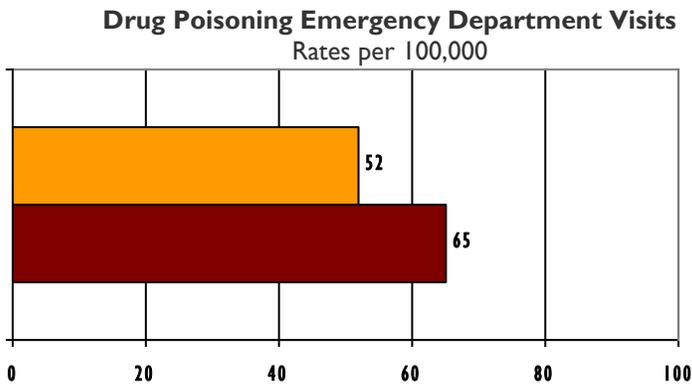
Drug Poisoning Hospitalizations (2005-2007)



Descriptive Notes:

- 47 hospitalizations resulted from unintentional drug poisoning among Miami County residents in 2005-2007.
- Unintentional drug poisoning hospitalization rate among Miami County residents is lower than the state average.

Drug Poisoning Emergency Department Visits (2011)



Descriptive Notes:

- 48 ED visits resulted from unintentional drug poisoning among Miami County residents in 2011.
- Unintentional drug poisoning ED visit rate among Miami County residents was lower than the state average.



In Miami County:

- 1 person dies every month from an unintentional drug poisoning.
- 1 hospitalization is caused every month by an unintentional drug poisoning.
- 4 ED visits are caused every month by an unintentional drug poisoning.