

# Hamilton County Injury Profile

## Injury Deaths<sup>1</sup> (2000-2011)

	Hamilton County (rates per 100,000)			
	2000-2002	2003 - 2005	2006 - 2008	2009-2011
Homicide	7.2	10.3	10.8	9.2
Suicide	9.3	10.7	10.8	10.7
Unintentional Injury	29.5	31.9	38.1	35.6

### Descriptive Notes:

- Homicide rates increased from 2000-2002 to 2003-2005 then leveled off in 2006-2008 and decreased in 2009-2011.
- Suicide rates increased from 2000-2002 to 2003-2005 then remained elevated in 2006-2011.
- Rates of fatal unintentional injuries were similar 2000-2005 then increased in 2006-2008 then decreased in 2009-2011.

## Injury Hospitalizations<sup>2</sup> (2003-11)

	Hamilton County (rates per 100,000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Assault	33	34	33	40	33	31	33	33	24	
Self-Harm	52	50	55	52	53	51	47	44	46	
Unintentional Injury	358	355	329	349	346	308	285	300	285	

### Descriptive Notes:

- Hospitalization rates resulting from assaults did not change substantially between 2002 and 2011.
- Hospitalization rates resulting from self-harm were similar in 2003-2008 and then decreased in 2009 and 2011.
- Hospitalization rates resulting from unintentional injuries were similar in 2003-2007 and then decreased in 2008 and remained lower in 2009 through 2011.

## Injury Emergency Department Visits<sup>2</sup> (2002-10)

	Hamilton County (rates per 100,000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Assault	486	527	542	398	574	593	521	550	596	
Self-Harm	68	95	110	83	63	113	94	78	78	
Unintentional Injury	7,384	7,180	6,877	4,565	7,029	7,004	6,543	6,875	7,016	

### Descriptive Notes:

- ED visit rates resulting from assaults, self-harm and unintentional injuries did not follow a consistent pattern between 2003 and 2011.
- ED visit rates were suppressed for 2002 due to poor external cause of injury coding rates (+).



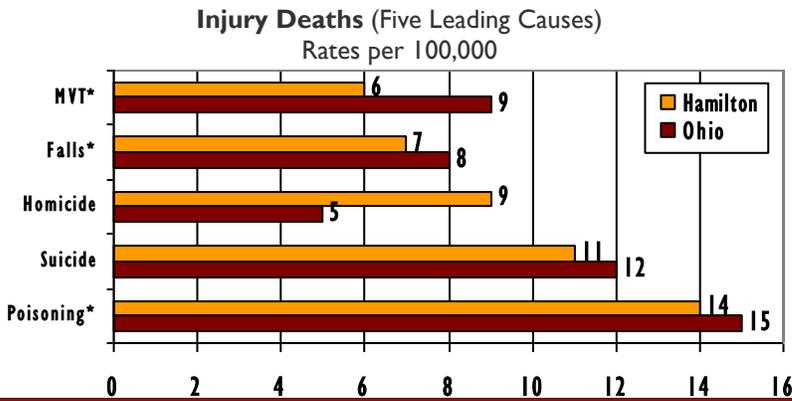
## Injury Cost Estimates for Hamilton County<sup>3</sup>:

- Fatal and non-fatal injuries cost\* \$1.2 billion in medical care and work loss in 2011.
- Injuries cost on average \$1,537 per Hamilton 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

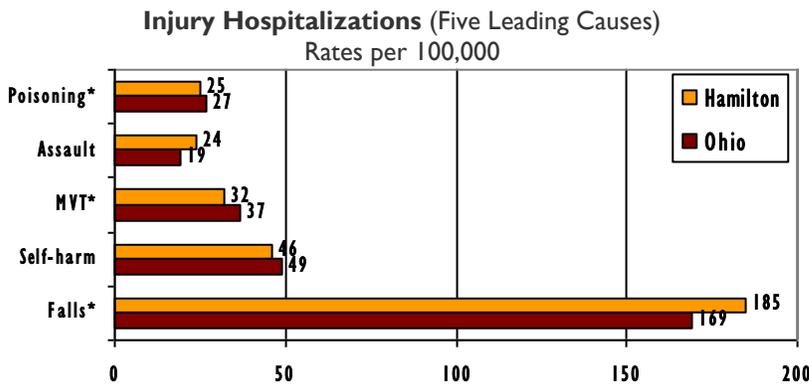
## Injury Deaths<sup>1</sup> (2009-2011)



### Descriptive Notes:

- Unintentional poisoning, suicides, homicides, falls and motor vehicle crashes were the leading causes of injury death among Hamilton County residents.
- Homicide rates were higher among Hamilton County residents compared to the state average.
- Unintentional poisoning and suicide rates among Hamilton County residents were lower than the state average.
- Falls and motor vehicle crash death rates among Hamilton County residents were lower than the state average.

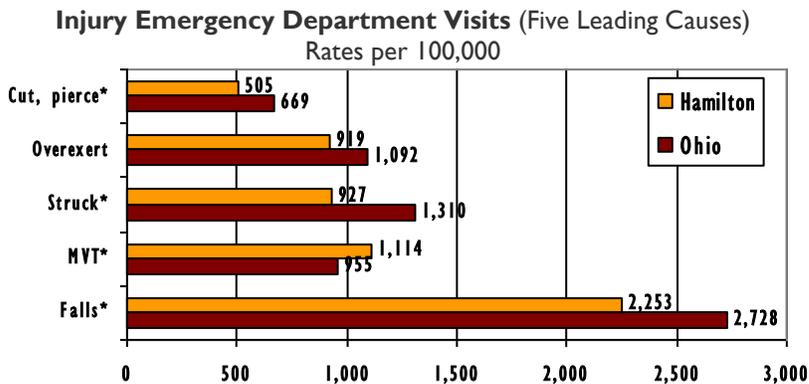
## Injury Hospitalizations<sup>2</sup> (2011)



### Descriptive Notes:

- The leading causes of injury hospitalizations among Hamilton County residents were falls, self-harm, motor vehicle traffic crashes, assaults and unintentional poisoning.
- Hospitalizations rates resulting from falls and assaults were higher among Hamilton County residents than the state average.
- Hospitalization rates resulting from self-harm and motor vehicle traffic crashes were lower among Hamilton County residents than the state average.
- Unintentional poisoning rate among Hamilton County residents was lower than the state average.

## Injury Emergency Department Visits<sup>2</sup> (2011)



### Descriptive Notes:

- The leading cause of injury ED visits among Hamilton County residents were falls, motor vehicle traffic crashes, being struck by or against, overexertion and cuts or pierces.
- ED visit rates resulting from motor vehicle traffic crashes were higher among Hamilton County residents than the state average.
- ED visit rates resulting from falls, being struck by or against, overexertion and cuts or pierces were lower among Hamilton County residents than the state average.



### Every day in Hamilton County:

- 1 person dies from an injury.
- 9 hospitalizations are caused by an injury.
- 240 ED visits are caused by an injury.

## Hamilton County Injury Profile

# Leading Injuries by Age Group

## Child/Young Adult (0-24 Years)

	Deaths	
	Number (2009-2011)	Annual Rate Per 100,000
Poisoning*	9	+
Suicide	42	5.0
Falls*	<5	+
MVTC*	34	4.0
Homicide	86	10.2

	Hospitalizations	
	Number (2011)	Annual Rate Per 100,000
Poisoning*	27	10.0
Self-Harm	94	34.8
Falls*	19	7.0
MVTC*	45	16.7
Assaults	60	22.2

	Emergency Department Visits	
	Number (2011)	Annual Rate Per 100,000
Overexert*	1,659	613.9
Struck*	2,959	1,095.0
Falls*	3,326	1,230.8
MVTC*	2,475	915.9
Assault	1,552	574.3

## Adult (25-64 Years)

	Deaths	
	Number (2009-2011)	Annual Rate Per 100,000
Poisoning*	346	26.0
Suicide	205	15.4
Falls*	45	3.4
MVTC*	90	6.8
Homicide	136	10.2

	Hospitalizations	
	Number (2011)	Annual Rate Per 100,000
Poisoning*	148	35.0
Self-Harm	258	60.9
Falls*	401	94.7
MVTC*	164	38.7
Assaults	126	29.8

	Emergency Department Visits	
	Number (2011)	Annual Rate Per 100,000
Overexert*	5,087	1,201.6
Struck*	3,817	901.6
Falls*	10,203	2,410.0
MVTC*	5,863	1,384.9
Cut, pierce*	2,473	584.1

## Older Adult (65+ Years)

	Deaths	
	Number (2009-2011)	Annual Rate Per 100,000
Poisoning*	23	6.8
Suicide	28	8.3
Falls*	169	49.8
MVTC*	37	10.9
Homicide	8	+

	Hospitalizations	
	Number (2011)	Annual Rate Per 100,000
Poisoning*	38	35.6
Self-Harm*	11	10.3
Falls*	1,268	1,187.5
MVTC*	49	45.9
Assaults	<5	+

	Emergency Department Visits	
	Number (2011)	Annual Rate Per 100,000
Cut, pierce*	336	314.7
Struck*	478	447.7
Falls*	4,992	4,675.2
MVTC*	446	417.7
Overexert*	402	376.5



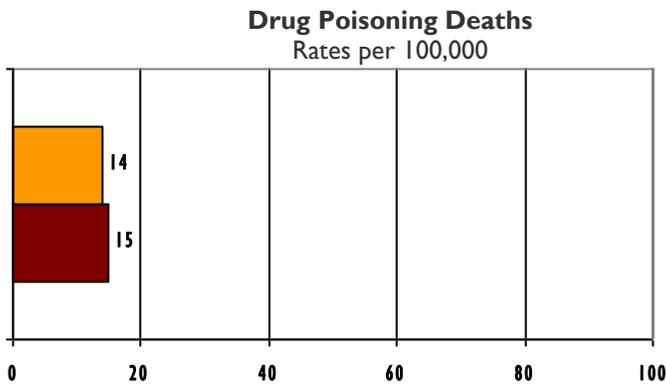
### Technical Notes

- 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.
- MVTC refers to occupants of motor vehicle traffic crashes.
- (+) Rates suppressed due to counts of less than 10.
- All rates on pages 1, 2, and 4 are age adjusted to the 2000 U.S. standard population.

## Hamilton County Injury Profile

# Drug Poisoning

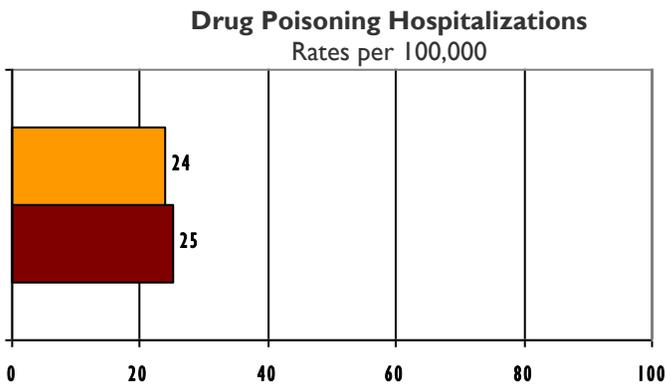
## Drug Poisoning Deaths (2009-2011)



### Descriptive Notes:

- 360 Hamilton County residents died from an unintentional drug poisoning in 2009-2011.
- Death rate from unintentional drug poisonings in Hamilton County was similar to Ohio as a whole.

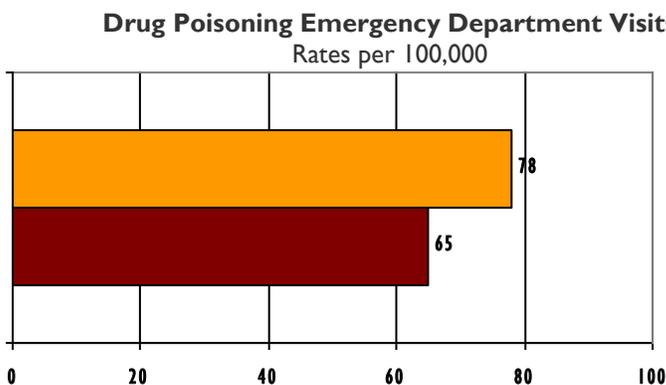
## Drug Poisoning Hospitalizations (2011)



### Descriptive Notes:

- 201 hospitalizations resulted from unintentional drug poisonings among Hamilton County residents in 2011.
- Unintentional drug poisoning hospitalization rate in Hamilton County was similar to the state average in 2011.

## Drug Poisoning Emergency Department Visits (2011)



### Descriptive Notes:

- 623 ED visits resulted from unintentional drug poisonings among Hamilton County residents in 2011.
- Unintentional drug poisoning ED visit rate in Hamilton County was higher than the state average in 2011.



### Drug Poisoning in Hamilton County:

- 2 people die from an unintentional drug poisoning every week.
- 4 hospitalizations are caused every week by an unintentional drug poisoning.
- 12 ED visits are caused every week by an unintentional drug poisoning.