

Butler County Injury Profile

Injury Deaths¹ (2000-2011)

	Butler County (rates per 100,000)			
	2000-2002	2003 - 2005	2006 - 2008	2009-2011
Homicide	2.9	3.6	2.8	2.7
Suicide	10.4	10.9	12.6	12.8
Unintentional Injury	30.4	37.2	40.4	45.0

Descriptive Notes:

- Homicide rates increased from 2000-2002 to 2003-2005 then decreased in 2006-2008 and remained similar in 2009-2011.
- Suicide rates were similar in 2000-2005 then increased in 2006-2008 and remained elevated in 2009-2010.
- Unintentional injury rates steadily increased.
- (*) Interpret with caution because rate is based on less than 10 deaths.

Injury Hospitalizations² (2003-11)

	Butler County (rates per 100,000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Assault	16.7	13.5	15.0	14.5	14.3	9.3	+	+	+	
Self-Harm	46.9	60.8	51.1	51.5	61.2	59.4	+	+	+	
Unintentional Injury	353.3	361.6	346.2	339.1	322.2	317.9	+	+	+	

Descriptive Notes:

- Assault rates fluctuated between 2002 and 2007 then decreased in 2008.
- Self-harm rates were similar in 2002 and 2003 then increased in 2004 and were elevated in 2005 through 2008.
- Hospitalization rates for unintentional injuries increased in 2002-2004 and then decreased from 2004 to 2008.
- Hospitalization rates were suppressed for 2009 and 2010 due to external cause of injury coding rates well below the state average (63%).

Injury Emergency Department Visits² (2003-11)

	Butler County (rates per 100,000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Assault	355.5	407.7	436.2	459.1	469.3	444.8	+	+	+	
Self-Harm	76.6	99.9	118.3	122.6	55.9	129.4	+	+	+	
Unintentional Injury	8,054	8,461	8,327	8,577	8,540	8,183	+	+	+	

Descriptive Notes:

- ED visits associated with assaults increased in 2002-2006 and were similar in 2006-2008.
- ED visit rates resulting from self-harm increased in 2002-2008.
- ED visits associated with unintentional injuries were similar in 2003-2008.
- ED visit rates were suppressed for 2009 through 2011 due to external cause of injury coding rates well below the state average (73%).



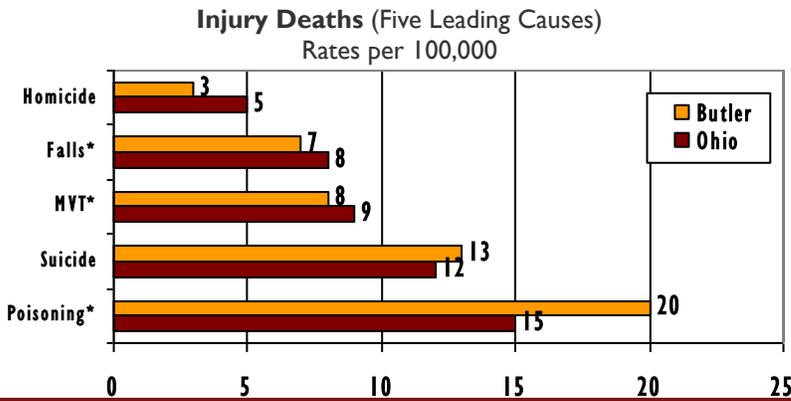
Injury Cost Estimates³ for Butler County:

- Fatal and non-fatal injuries cost* \$489 million in medical care and work loss in 2011.
- Injuries cost on average \$1,321 per Butler 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

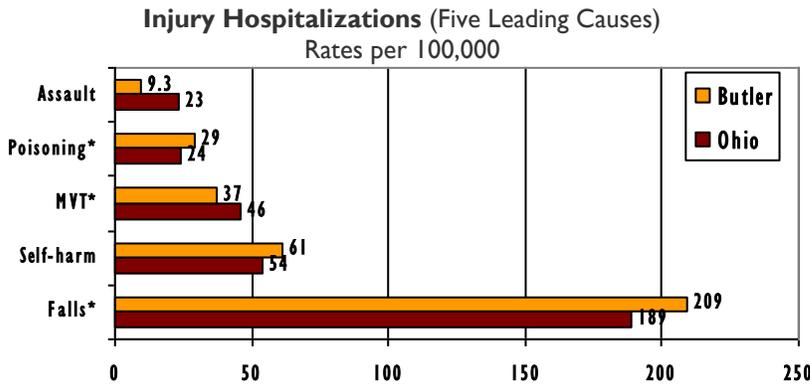
Injury Deaths (2009-2011)



Descriptive Notes:

- Unintentional poisoning, suicide, motor vehicle traffic crashes, falls and homicide were leading causes of injury death among Butler County residents.
- Unintentional poisoning and suicide rates were higher among Butler County residents than the state average.
- Falls, motor vehicle traffic and homicide rates among Butler County residents were lower than the state average.

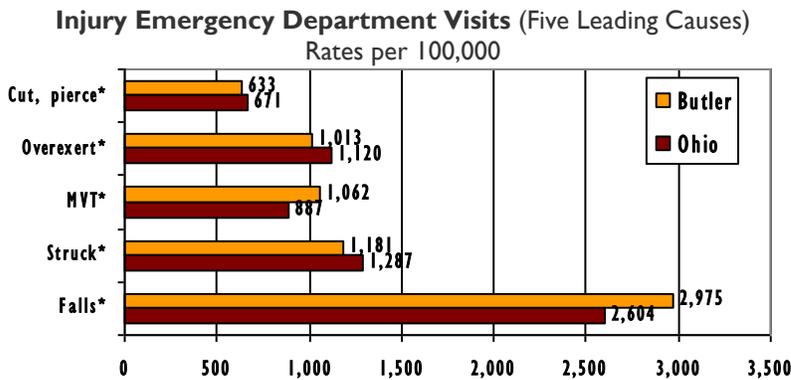
Injury Hospitalizations (2008)



Descriptive Notes:

- Falls, self-harm, motor vehicle traffic crashes, poisoning and assaults were the leading causes of injury hospitalization among Butler County residents.
- Hospitalization rates resulting from falls, self-harm and poisoning were higher among Butler County residents than the state average.
- Hospitalization rates resulting from motor vehicle traffic crashes and assaults were lower among Butler County residents than the state average.

Injury Emergency Department Visits (2008)



Descriptive Notes:

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



Every day in Butler County:

- 1 person dies from an injury.
- 2 hospitalizations are caused by an injury.
- 57 ED visits are caused by an injury.

Butler County Injury Profile

Leading Injuries by Age

Child/Young Adult (0-24 Years)

	Deaths	
	Number (2009-2011)	Annual Rate Per 100,000
Poisoning*	14	3.6
Suicide	21	5.4
Falls*	0	0.0
Suffocation*	15	3.9
Homicide	6	+

	Hospitalizations	
	Number (2011)	Annual Rate Per 100,000
Poisoning*	<5	+
Self-Harm	37	27.7
Falls*	9	+
MVTC*	13	9.7
Assault	<5	+

	Emergency Department Visits	
	Number (2011)	Annual Rate Per 100,000
Overexert*	605	453.0
Struck*	1,225	917.3
Falls*	1,623	1,215.3
MVTC*	951	712.1
Cut, pierce*	515	385.6

Adult (25-64 Years)

	Deaths	
	Number (2009-2011)	Annual Rate Per 100,000
Poisoning*	195	33.5
Suicide	107	18.4
Falls*	17	2.9
Suffocation*	<5	+
Homicide	20	3.4

	Hospitalizations	
	Number (2011)	Annual Rate Per 100,000
Poisoning*	24	12.4
Self-Harm	136	70.5
Falls*	139	72.1
MVTC*	30	15.6
Assault	26	13.5

	Emergency Department Visits	
	Number (2011)	Annual Rate Per 100,000
Overexert*	1,685	873.6
Struck*	1,244	645.0
Falls*	3,400	1,762.8
MVTC*	1,794	930.1
Cut, pierce*	893	463.0

Older Adult (65+ Years)

	Deaths	
	Number (2009-2011)	Annual Rate Per 100,000
Poisoning*	5	+
Suicide	18	14.1
Falls*	51	40.0
Suffocation*	17	13.3
Homicide	<5	+

	Hospitalizations	
	Number (2011)	Annual Rate Per 100,000
Poisoning*	<5	+
Self-Harm	<5	+
Falls*	338	775.6
MVTC*	13	29.8
Assault	<5	+

	Emergency Department Visits	
	Number (2011)	Annual Rate Per 100,000
Overexert*	122	279.9
Struck*	146	335.0
Falls*	1,627	3,733.4
MVTC*	178	408.4
Cut, pierce*	126	289.1



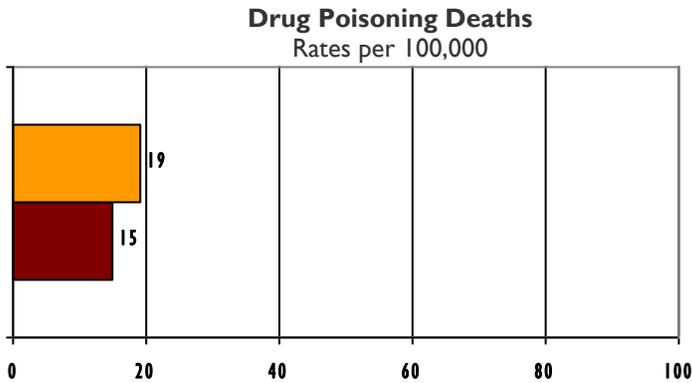
Technical Notes

- 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.

Butler County Injury Profile

Drug Poisoning

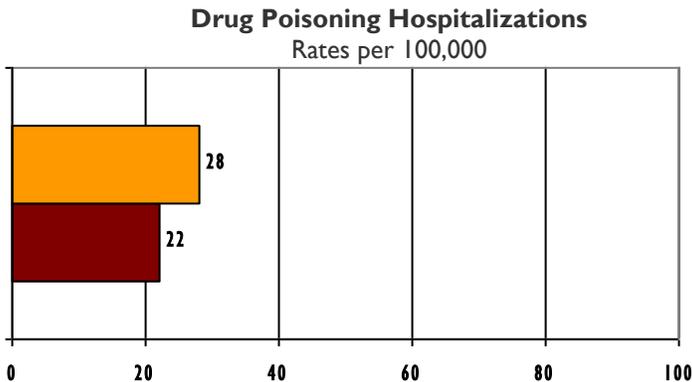
Drug Poisoning Deaths (2009-2010)



Descriptive Notes:

- 207 Butler County residents died from an unintentional drug poisoning in 2009-2011.
- Unintentional drug poisoning rate among Butler County residents was higher than state average.

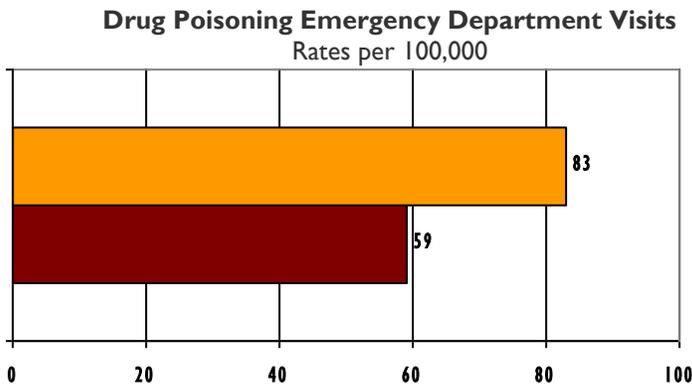
Drug Poisoning Hospitalizations (2008)



Descriptive Notes:

- 103 hospitalizations resulted from unintentional drug poisoning among Butler County residents in 2008.
- Unintentional drug poisoning hospitalization rate was higher among Butler County residents than the state average in 2008.

Drug Poisoning Emergency Department Visits (2008)



Descriptive Notes:

- 295 ED visits resulted from unintentional drug poisoning among Butler County residents in 2008.
- Unintentional drug poisoning ED visit rate among Butler County residents was higher than the state average in 2008.



In Butler County:

- 1 person dies every week from an unintentional drug poisoning.
- 3 hospitalizations are caused every week by an unintentional drug poisoning.
- 6 ED visits are caused every week by an unintentional drug poisoning.