

York Health District
Burden of Injury
2005-2009

Highlights

Injury Deaths^a

- Injury was the underlying cause of death for 8,362 residents during this five year time period. There was an average of 1,672 injury deaths per year.
- The average annual injury death rate was 58.5 per 100,000 York Health District residents.
- Injury was the underlying cause for 7.1% of all deaths among York Health District residents.
- 68.4% of injury deaths were due to unintentional causes; 28.2% were due to intentional causes; 3.4% were coded as either undetermined intent or other.
- The three leading causes of injury deaths were suicide, unintentional motor vehicle traffic, and unintentional poisoning.

Injury Hospital Discharges^b

- There were 4,572 hospital discharges of York Health District residents for which an injury was the principal diagnosis during this 5 year period. There was an average of 914 such discharges per year. 4.9% of hospital discharges were for an injury related cause.
- The average annual injury hospital discharge rate was 452.9 per 100,000 York Health District residents. York Health District residents aged 65+ years were significantly more likely to have a hospital discharge than were residents in other age groups.
- The injury hospital discharge rate for females (492.9 per 100K) was significantly higher than the rate for males (410.9 per 100K).
- 84.2% of injury hospital discharges were known to be due to unintentional causes; 12.2% were known to be due to intentional causes; 3.6% of injury cases were coded as undetermined, other or missing intent.
- The three leading causes of injury hospital discharges were unintentional fall, intentional self injury and unintentional motor vehicle traffic.

Injury Outpatient Emergency Department Visits^c

- There were 104,982 outpatient emergency department visits for which an injury was the principal diagnosis during this 5 year period. There was an average of 20,996 visits per year. 28.5% of outpatient emergency department visits were for an injury related cause.
- The average annual injury outpatient emergency department visit rate was 10,399.9 per 100,000 residents. Teens and young adults ages 15-24 were significantly more likely to have an injury outpatient visit than were people in other age groups.
- The injury outpatient emergency department visit rate for males (11,454.9 per 100K) was significantly higher than the rate for females (9,394.3 per 100K).
- 95.8% of injury outpatient emergency department visits were known to be due to unintentional causes; 3.1% were known to be due to intentional causes; 1.1% of injury cases were coded as undetermined, other or missing intent.
- The three leading causes of injury outpatient emergency department visits were unintentional fall, unintentional struck by/against, and unintentional overexertion.

a Injury deaths defined as underlying cause of death coded as ICD-10 V01-Y36, Y85-Y87, Y89, U01-U03, Y40-Y59, Y60-Y84, or Y88

b Hospital discharge with injury principal diagnosis defined as principal diagnosis coded as ICD-9-CM 800-909.2, 909.4, 909.9-994.9, 995.5-995.59 or 995.80-995.85

c Outpatient emergency department visit with injury principal diagnosis defined as principal diagnosis coded as ICD-9-CM 800-909.2, 909.4, 909.9-994.9, 995.5-995.59 or 995.80-995.85, and discharge status coded as "Discharged to home or self care (routine discharge) or "Discharged/transferred to home under care of organized home health service organization".

**Five Leading Causes of Injury Deaths
York Health District, 2005-2009**

Rank	Overall		Age <15	Age 15-24	Age 25-44	Age 45-64	Age 65+		Male	Female
1	Suicide 148		Unintentional Suffocation 4	Unintentional Motor Vehicle Traffic 32	Suicide 49	Suicide 64	Unintentional Fall 54		Suicide 112	Suicide 36
2	Unintentional Motor Vehicle Traffic 115		Unintentional Drowning 3	Suicide 16	Unintentional Poisoning 48	Unintentional Poisoning 41	Unintentional Unspecified 33		Unintentional Motor Vehicle Traffic 79	Unintentional Motor Vehicle Traffic 36
3	Unintentional Poisoning 107		Unintentional Motor Vehicle Traffic 2		Unintentional Poisoning 16	Unintentional Motor Vehicle Traffic 35	Unintentional Motor Vehicle Traffic 32		Suicide 19	Unintentional Poisoning 73
4	Unintentional Fall 70		Homicide 2	Homicide 6	Unintentional Drowning 6	Unintentional Fall 14	Unintentional Motor Vehicle Traffic 14		Unintentional Fall 44	Unintentional Fall 26
5	Unintentional Unspecified 35		Unintentional Fire/Hot Object 1	Unintentional Transport, Other 3	Homicide 6	Unintentional Drowning 7	Other Adverse Effects 11		Unintentional Unspecified 16	Unintentional Unspecified 19

**Five Leading Causes of Injury Hospitalizations
York Health District, 2005-2009**

Rank	Overall		Age <15	Age 15-24	Age 25-44	Age 45-64	Age 65+		Male	Female
1	Unintentional Fall 2,513		Unintentional Fall 69	Unintentional Motor Vehicle Traffic 104	Intentional Self Injury 214	Unintentional Fall 471	Unintentional Fall 1,767		Unintentional Fall 921	Unintentional Fall 1,592
2	Intentional Self Injury 477		Unintentional Poisoning 26	Intentional Self Injury 91	Unintentional Fall 148	Intentional Self Injury 146	Unintentional Motor Vehicle Traffic 75		Unintentional Motor Vehicle Traffic 287	Intentional Self Injury 316
3	Unintentional Motor Vehicle Traffic 470		Unintentional Motor Vehicle Traffic 21	Unintentional Fall 58	Unintentional Motor Vehicle Traffic 143	Unintentional Motor Vehicle Traffic 127	Unintentional Unspecified 47		Intentional Self Injury 161	Unintentional Motor Vehicle Traffic 183
4	Unintentional Poisoning 210		Unintentional Struck By/Against 13	Unintentional Transport, Other 27	Unintentional Poisoning 64	Unintentional Poisoning 58	Other, Adverse Effects 46		Unintentional Poisoning 102	Unintentional Poisoning 108
5	Unintentional Transport, Other 129		Unintentional Transport, Other 11	Unintentional Poisoning 24	Unintentional Transport, Other 50	Unintentional Transport, Other 30	Unintentional Poisoning 38		Unintentional Transport, Other 91	Unintentional Other, Specified 41

**Five Leading Causes of Injury Emergency Department Visits
York Health District, 2005-2009**

Rank	Overall		Age <15	Age 15-24	Age 25-44	Age 45-64	Age 65+		Male	Female
1	Unintentional Fall 29,287		Unintentional Fall 6,878	Unintentional Struck by/against 3,874	Unintentional Fall 6,260	Unintentional Fall 5,993	Unintentional Fall 6,459		Unintentional Fall 13,275	Unintentional Fall 16,011
2	Unintentional Struck by/against 15,418		Unintentional Struck by/against 4,802	Unintentional Fall 3,697	Unintentional Overexertion 5,435	Unintentional Overexertion 2,824	Unintentional Overexertion 828		Unintentional Struck by/against 9,500	Unintentional Overexertion 6,855
3	Unintentional Overexertion 13,939		Unintentional Overexertion 1,886	Unintentional Overexertion 2,966	Unintentional Struck by/against 3,895	Unintentional Cut/pierce 2,385	Unintentional Cut/pierce 826		Unintentional Overexertion 7,084	Unintentional Struck by/against 5,918
4	Unintentional Cut/pierce 10,073		Unintentional Cut/pierce 1,385	Unintentional Cut/pierce 2,141	Unintentional Cut/pierce 3,336	Unintentional Struck by/against 2,047	Unintentional Unspecified 801		Unintentional Cut/pierce 6,783	Unintentional Motor vehicle traffic 3,758
5	Unintentional Motor vehicle traffic 6,770		Unintentional Other, specified 1,307	Unintentional Motor vehicle traffic 2,100	Unintentional Motor vehicle traffic 2,360	Unintentional Motor vehicle traffic 1,457	Unintentional Struck by/against 800		Unintentional Other, specified 3,362	Unintentional Cut/pierce 3,290

**Maine Injury Prevention Program – Four Priority Injury Indicators
Injury Deaths
York Health District, 2005-2009**

Overall		Age <15	Age 15-24	Age 25-44	Age 45-64	Age 65+		Male	Female
Suicide 148		Unintentional Motor Vehicle Traffic 2	Unintentional Motor Vehicle Traffic 32	Suicide 49	Suicide 64	Unintentional Fall 54		Suicide 112	Suicide 36
Unintentional Motor Vehicle Traffic 115			Suicide 16	Unintentional Poisoning 48	Unintentional Poisoning 41	Suicide 19		Unintentional Motor Vehicle Traffic 79	Unintentional Motor Vehicle Traffic 36
Unintentional Poisoning 107				Unintentional Motor Vehicle Traffic 35	Unintentional Motor Vehicle Traffic 32	Unintentional Motor Vehicle Traffic 14		Unintentional Poisoning 73	Unintentional Poisoning 34
Unintentional Fall 70			Unintentional Fall 1	Unintentional Fall 1	Unintentional Fall 14	Unintentional Poisoning 2		Unintentional Fall 44	Unintentional Fall 26

**Maine Injury Prevention Program – Four Priority Injury Indicators
Injury Hospitalizations
York Health District, 2005-2009**

Overall	Age <15	Age 15-24	Age 25-44	Age 45-64	Age 65+	Male	Female
Unintentional Fall 2,513	Unintentional Fall 69	Unintentional Motor Vehicle Traffic 104	Intentional Self Injury 214	Unintentional Fall 471	Unintentional Fall 1,767	Unintentional Fall 921	Unintentional Fall 1,592
Intentional Self Injury 477	Unintentional Poisoning 26	Intentional Self Injury 91	Unintentional Fall 148	Intentional Self Injury 146	Unintentional Motor Vehicle Traffic 75	Unintentional Motor Vehicle Traffic 287	Intentional Self Injury 316
Unintentional Motor Vehicle Traffic 470	Unintentional Motor Vehicle Traffic 21	Unintentional Fall 58	Unintentional Motor Vehicle Traffic 143	Unintentional Motor Vehicle Traffic 127	Unintentional Poisoning 38	Intentional Self Injury 161	Unintentional Motor Vehicle Traffic 183
Unintentional Poisoning 210	Intentional Self Injury 6	Unintentional Poisoning 24	Unintentional Poisoning 64	Unintentional Poisoning 58	Intentional Self Injury 20	Unintentional Poisoning 102	Unintentional Poisoning 108

**Maine Injury Prevention Program – Four Priority Injury Indicators
Injury Emergency Department Visits
York Health District, 2005-2009**

Overall	Age <15	Age 15-24	Age 25-44	Age 45-64	Age 65+	Male	Female
Unintentional Fall 29,287	Unintentional Fall 6,878	Unintentional Fall 3,697	Unintentional Fall 6,260	Unintentional Fall 5,993	Unintentional Fall 6,459	Unintentional Fall 13,275	Unintentional Fall 16,011
Unintentional Motor vehicle traffic 6,770	Unintentional Motor vehicle traffic 390	Unintentional Motor vehicle traffic 2,100	Unintentional Motor vehicle traffic 2,360	Unintentional Motor vehicle traffic 1,457	Unintentional Motor vehicle traffic 463	Unintentional Motor vehicle traffic 3,012	Unintentional Motor vehicle traffic 3,758
Intentional Self Injury 921	Unintentional Poison 253	Intentional Self Injury 437	Intentional Self Injury 311	Unintentional Poison 155	Unintentional Poison 71	Intentional Self Injury 475	Intentional Self Injury 446
Unintentional Poison 819	Intentional Self Injury 56	Unintentional Poison 140	Unintentional Poison 200	Intentional Self Injury 114	Intentional Self Injury 3	Unintentional Poison 397	Unintentional Poison 422

Data Sources

Deaths: 2005-2009 death certificate statistical datasets obtained from the Office of Data, Research and Vital Statistics, Maine analysis includes all deaths to Maine residents, regardless of the state where the death occurred.

Hospital Discharges: 2005-2009 hospital discharge (inpatient) datasets obtained from the Maine Health Data Organization. Analysis limited to discharge of Maine residents from Maine acute care hospitals (excludes psychiatric, rehabilitation and federal hospitals)

Outpatient ED Visits: 2005-2009 hospital outpatient datasets obtained from the Maine Health Data Organizations. Analysis limited to ED visits by Maine residents at Maine acute care hospitals (excludes psychiatric, rehabilitation and federal hospitals) where the person was discharged to home or self care.

Population Estimates: Annual estimates of the resident population by age, sex, race and Hispanic origin for counties: April 1, 2000 to July 1, 2009.

Injury Definitions

Unintentional Injury	Definition
Fall	When an individual sustains an injury after an unintentional descent from any height
Motor Vehicle	An incident involving a motorized vehicle and at least one injured individual, where that individual is a vehicle occupant, passenger or driver; a motorcyclist
Pedestrian	Injuries caused in transport and non-transport related crashes
Transport, Other	All transportation injuries not included in motor vehicle, pedestrian or bicycle injuries
Fire/Hot Substance	Severe exposure to flames, heat, chemicals or hot substance that leads to tissue damage of the skin or places deeper in the body; injury from smoke inhalation to the upper airway, lower airway or lungs
Firearm	Penetrating force injury resulting from a bullet or other projectile shot from a powder charged gun (handgun, shotgun, unspecified firearm)
Poisoning	Ingestion, inhalation, absorption through the skin, or injection of so much of a drug, toxin, or other chemical that a harmful effect results. This category does not include harmful effects from normal therapeutic drugs or bacterial illnesses
Suffocation	Inhalation, aspiration or ingestion of food or other object that blocks the airway or causes suffocation; intentional or accidental mechanical suffocation caused by hanging, strangulation, lack of air in a closed place, plastic bag, or falling earth. This category does not include injury resulting from a foreign body that does not block the airway.
Natural/Environmental Causes	Injury resulting from exposure to adverse natural and environmental conditions, i.e. severe heat, severe cold, lightning, sunstroke, tornadoes and natural disasters as well as lack of food or water.
Struck By/Against	Injury resulting from being struck by (i.e. hit) or crushed by a human, animal, or inanimate object or force other than a vehicle or machinery; injury caused by striking (i.e. hitting) against a human, animal or inanimate object or force other than a vehicle or machinery
Cutting/Piercing	Injury resulting from an incision, slash, perforation or puncture by a pointed or sharp instrument, weapon or object
Overexertion	Injury resulting from excessive physical exercise (i.e. lifting, pulling, pushing). Strenuous movements in recreational and other activities
Drowning	Suffocation resulting from submersion in water or other liquid
Late effects	Late effect or sequela resulting from a previous injury or poisoning

Unspecified	Information missing on mechanism (.i.e. motor vehicle, firearm, hanging) of the injury
Other	Injury associated with any other specified cause that does not fit another category
Intentional Injury	Definition
Abuse and Neglect	Injury resulting from abuse or criminal neglect
Physical Force	Injury resulting from fight, brawl, rape, includes beating with hands, fists, feet
Cutting/Piercing	Injury resulting from an incision, a slash, a perforation, or a puncture by a pointed or sharp instrument, weapon or object
Firearm	Penetrating force injury resulting from a bullet or other projectile shot from a powder charged gun (handgun, shotgun, military firearm, unspecified firearm)
Homicide	All fatal injuries purposely inflicted by other persons, excluding legal intervention by law enforcement agents
Struck	Injury resulting from striking by blunt or thrown object
Other	Injury associated with any other specified cause that does not fit another category
Self Injury	Definition
Drug and Medicinal Substances	Injury resulting from poisoning by drug and medicinal substances (i.e. analgesics, barbiturates, tranquilizers, etc)
Cutting/Piercing	Injury resulting from cutting, piercing instrument
Firearm	Penetrating force injury resulting from bullet or other projectile shot from a powder charged gun
Jump	Injury resulting from jumping from high places
Hang	Mechanical suffocation caused by hanging or strangulation or physical constriction of the neck, resulting in air loss
Suicide	All fatal injuries which are self inflicted
Other	Injury associated with any other specified cause that does not fit another category
Undetermined Intent	Definition
Poisoning	Injury resulting from poisoning by solid or liquid substance, including drugs and medicinal substances but undetermined whether unintentionally or intentionally inflicted
Unspecified	Information missing on mechanism (i.e., motor vehicle, firearm, hanging) of the injury

