



Photo: Dalene & Pete Heck

Injury Data Overview: Ponoka

September 2024

Introduction:

The development of this report is based on the fundamental principle that injury prevention requires knowledge of the frequency and nature of injury incidents. By disseminating injury data, the Injury Prevention Centre's objective is to support local communities, organizations and groups in the development of coordinated, evidence-based programs and strategies to reduce and prevent injuries to residents of Alberta communities.

This report examines the **leading mechanisms of injuries** of residents in local geographic area of Ponoka (LGA Z3.4.B.02) with comparison to the Central Zone and the province (Alberta).

This report examines the five leading causes of injury that have identified evidence-based strategies that can be implemented to prevent or reduce the risk of those injuries. Some mechanisms of injury which may be significant in number, do not provide enough information or include such a wide variety of scenarios that it would be difficult to identify preventative actions. For example, the mechanism of "struck by / against an object / person" would include injuries such as the result of walking into a door, being struck by an object falling off a shelf, or colliding with a person on a crowded street. Other injury mechanisms that describe a wide variety of scenarios include:

- Other / Unspecified
- Cutting / Piercing
- Overexertion / Strenuous movements
- Natural / Environmental factors
- Other Classifiable Injuries

To assist in the overall understanding of the injury issue in Ponoka, the remaining causes of injury are reported but are not discussed in detail.

For the top five leading causes of injury examined, this report provides detail on:

- The overall number and percent of emergency department visits and hospital admissions by age group.
- Mechanism of injury rate comparison of local area, health zone and provincial age-standardized emergency department and hospital admissions rates.
- Changes in the trend line are expressed by the average annual per cent change (APC). The sum of the average percentage change between time periods will give the overall change.
- Mechanism of injury deaths for Central Zone.

Injury data reporting is one service provided by the Injury Prevention Centre. After reviewing this report, you may have questions or want to explore what actions could be taken to reduce the rates of injury in Alberta. The Injury Prevention Centre can help you to identify strategies, activities and programs that address the injury issues of concern in your community. The IPC can provide:

- Evidence-based resources on a variety of injury topics.
- Injury prevention networking and information sharing.
- Programs that address seniors' falls, poisoning, child and youth concussions and head injuries.
- Education opportunities on injury prevention and associated topics.
- Expertise in community engagement, resource development, program planning, implementation and evaluation.

If there is something we can do to assist your injury prevention efforts please contact us - ipc@ualberta.ca or 780-492-6019.

Top 5 Mechanisms of Injury Emergency Department Visits, Ponoka, 2013-2022

| Mechanism of Injury / Age Group (years) | All Injuries | % of All Injuries | <1 | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ |
|---|--------------|-------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| All injuries excluding adverse events | 24,478 | | 162 | 1,613 | 1,458 | 2,201 | 2,761 | 1,896 | 1,777 | 1,630 | 1,331 | 1,252 | 1,279 | 1,311 | 1,337 | 1,081 | 827 | 624 | 574 | 516 | 464 | 383 |
| Top 5 Mechanisms of Injury with Evidence-based Prevention Strategies | | | | | | | | | | | | | | | | | | | | | | |
| Falls | 5,887 | 24 | 69 | 503 | 399 | 420 | 325 | 237 | 226 | 234 | 197 | 204 | 248 | 336 | 427 | 327 | 305 | 273 | 264 | 302 | 305 | 286 |
| Sports-related | 1,385 | 6 | < 5 | 26 | 1225 | 506 | 397 | 88 | 73 | 52 | 36 | 30 | 14 | 12 | 8 | 5 | 9 | <5 | <5 | <5 | <5 | <5 |
| Motor Vehicle | 959 | 4 | < 5 | 16 | 21 | 28 | 188 | 95 | 89 | 68 | 66 | 65 | 53 | 68 | 48 | 41 | 27 | 28 | 21 | 14 | 20 | <5 |
| Violence / Injury Purposely Inflicted | 752 | 3 | <5 | 5 | <5 | 25 | 119 | 136 | 98 | 90 | 74 | 71 | 38 | 47 | 25 | 12 | 5 | <5 | <5 | <5 | <5 | <5 |
| Fire / Flames | 400 | 2 | 12 | 43 | 21 | 19 | 55 | 36 | 23 | 24 | 16 | 34 | 27 | 19 | 13 | 26 | 9 | 8 | 7 | 7 | <5 | <5 |

Falls were the leading mechanism of injury emergency department visits of residents of Ponoka accounting for 24% of all injury emergency department visits.

- » Sports-related injuries accounted for 6% of injury emergency department visits.
- » Motor vehicle injuries accounted for 4% of injury emergency department visits .
- » Violence / injury purposely inflicted accounted for 3% of injury emergency department visits.
- » Fire / flame injuries accounted for 2% of injury emergency department visits.

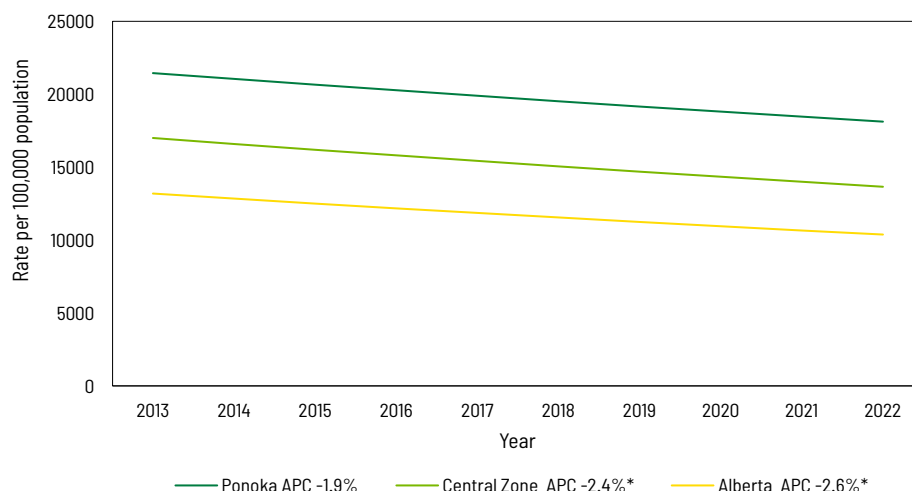
Other Mechanisms of Injury, Ponoka, 2013-2022

| Mechanism of Injury | # ED Visits All Ages | % of All Injuries |
|--|----------------------|-------------------|
| Other / Unspecified | 2,851 | 12 |
| Struck by / against an object / person | 2,823 | 12 |
| Cutting / Piercing | 2,395 | 10 |
| Overexertion / Strenuous Movements | 2,091 | 9 |
| Natural / Environmental Factors | 1,702 | 7 |
| Suffocation / Choking / Foreign Body | 1,267 | 5 |
| Poisoning (unintentional / undetermined) | 384 | 2 |
| Suicide / self-harm | 344 | 1 |
| All-Terrain / Off-Road Vehicles | 315 | 1 |
| Machinery | 208 | 1 |
| Other Classifiable Injuries | 64 | 0 |
| Water Transport | 18 | 0 |
| Firearms | 17 | 0 |
| Late Effects | 17 | 0 |
| Vehicle (not elsewhere classified) | 14 | 0 |
| Operations of war/legal | 14 | 0 |
| Drowning | <5 | 0 |
| Air / Space Transport | <5 | 0 |
| Railway | 0 | 0 |

Comparison of Overall Injury Emergency Department Visit Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

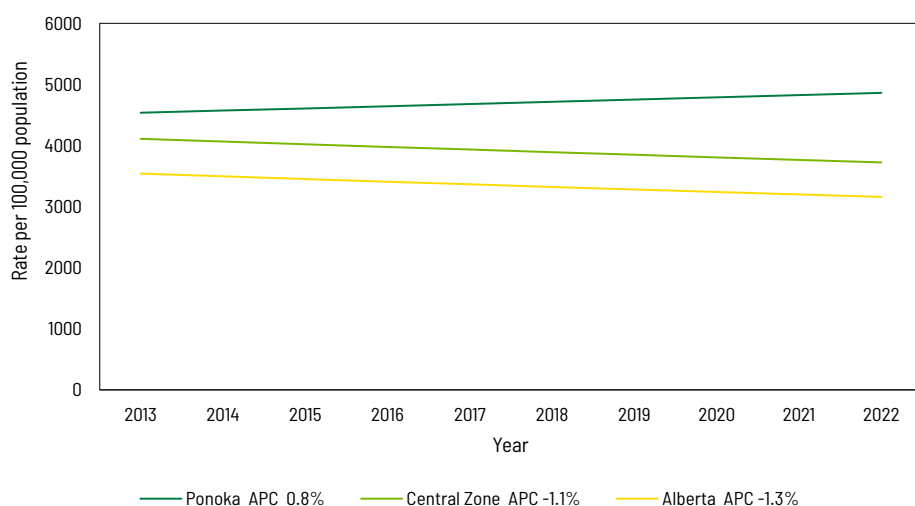
Over the 10-year period from 2013 to 2022, there was an average of 2,448 emergency department visits of Ponoka area residents due to an injury each year. This equates to 7 injury visits each day.

When we compare the overall injury age-standardized rates of Ponoka with the Central Zone and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates.



Over the 10-year period, Ponoka experienced a decrease in the overall injury rate of 1.9% each year. The Central Zone experienced a statistically significant 2.4% decrease each year, and Alberta experienced a statistically significant 2.6% decrease each year.

Comparison of Fall Injury Emergency Department Visit Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022



Over the 10-year period from 2013 to 2022, each year there was an average of 589 visits of Ponoka area residents due to a fall. This equates to 2 fall-related injury visits each day.

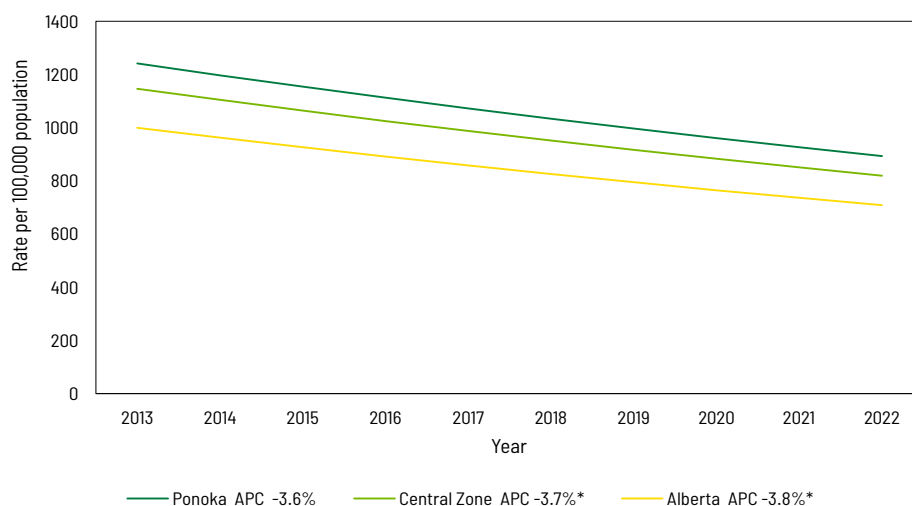
When we compare the fall age-standardized rates of Ponoka with the Central Zone and Alberta, Ponoka had a rate higher than both the Central Zone and Alberta rates.

Over the 10-year period, Ponoka experienced an increase in the fall emergency department visit rate of 0.8% each year. The Central Zone experienced a 1.1% decrease each year, and Alberta experienced a 1.3% decrease each year.

Comparison of Sports-related Injury Emergency Department Visit Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

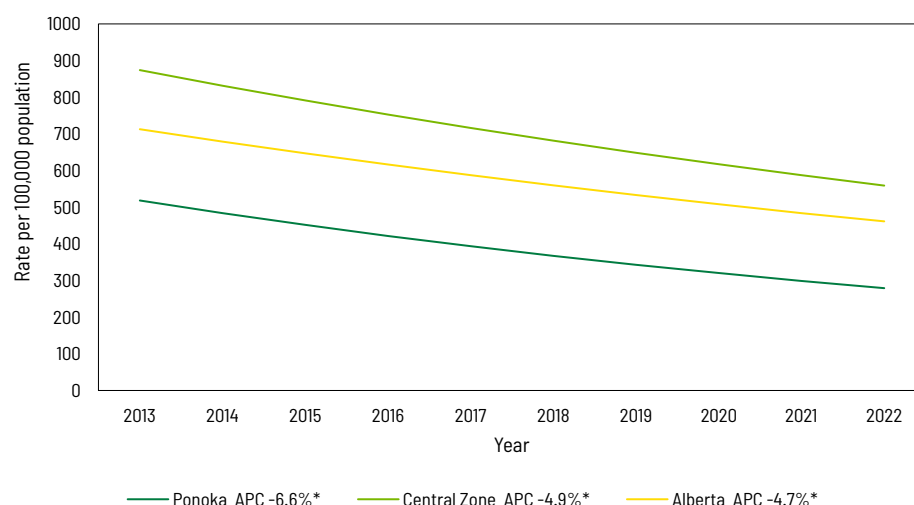
Over the 10-year period from 2013 to 2022, there was an average of 139 emergency department visits of Ponoka area residents due to a sports-related injury each year.

When we compare the sports-related injury age-standardized rates of Ponoka with the Central Zone and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates.



Over the 10-year period, Ponoka experienced a decrease in the sports injury rate of 3.6% each year. The Central Zone experienced a statistically significant decrease each year of 3.7%, and Alberta experienced a statistically significant decrease each year of 3.8%.

Comparison of Motor Vehicle Injury Emergency Department Visit Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022



Over the 10-year period from 2013 to 2022, each year there was an average of 51 emergency department visits of Ponoka area residents due to motor vehicle injury.

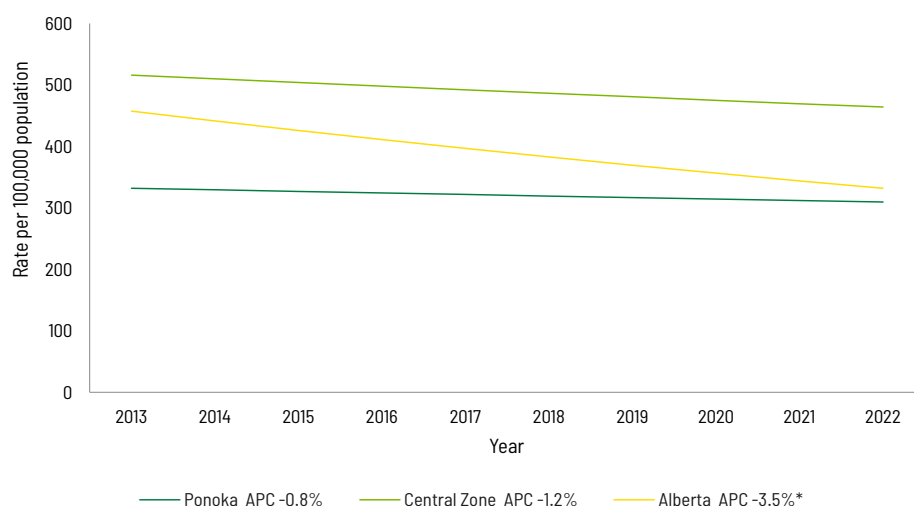
When we compare the motor vehicle injury age-standardized rates of Ponoka with the Central Zone and Alberta, the Ponoka rate was lower than both the Central Zone and Alberta rates.

Over the 10-year period, Ponoka experienced a statistically significant decrease in the motor vehicle injury rate of 6.6% each year. The Central Zone experienced a statistically significant decrease of 4.9% each year, and Alberta also experienced a statistically significant decrease of 4.7% each year.

Comparison of Violence / Injury Purposely Inflicted Emergency Department Visit Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

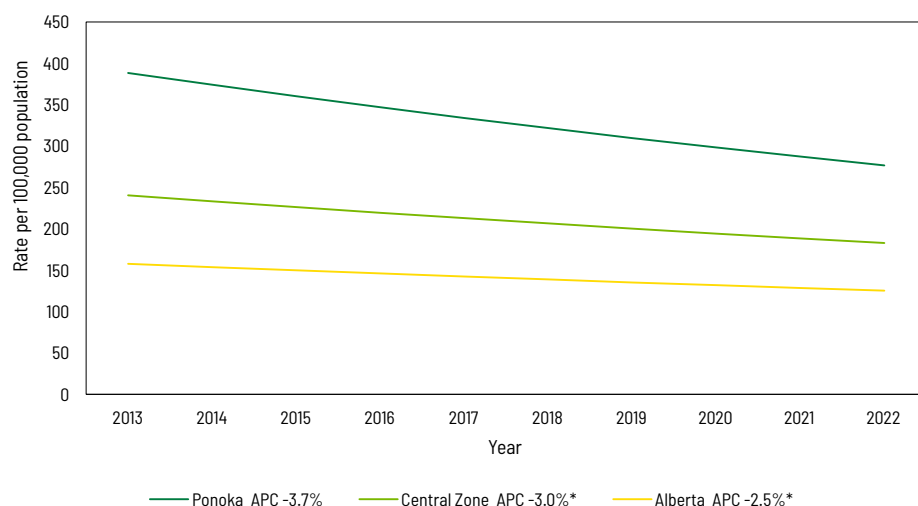
Over the 10-year period from 2013 to 2022, there was an average of 38 emergency department visits of Ponoka area residents due to violence / purposely inflicted injuries each year.

When we compare the violence / purposely inflicted injury age-standardized rates of Ponoka with the Central Zone, and Alberta, the Ponoka rate was lower than both the Central Zone and Alberta rates.



Over the 10-year period, Ponoka experienced a decrease in the violence / purposely inflicted injury rate of 0.8% each year. The Central Zone experienced a decrease each year of 1.2%, and Alberta experienced a statistically significant 3.5% decrease each year.

Comparison of Fire / Flames Injury Emergency Department Visit Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022



Over the 10-year period from 2013 to 2022, there was an average of 40 emergency department visits of Ponoka area residents due to fire / flame injuries each year.

When we compare the fire / flame injury age-standardized rates of Ponoka with the Central Zone and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates.

Over the 10-year period Ponoka experienced a decrease of 3.7% each year for fire / flames rates. The Central Zone experienced a statistically significant decrease of 3.0% each year, and Alberta experienced a statistically significant decrease of 2.5% each year.

Top 5 Mechanisms of Injury Hospital Admissions, Ponoka, 2013-2022

| Mechanism of Injury/Age Group (years) | All Injuries | % of All Injuries | <1 | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ |
|---|--------------|-------------------|----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| All injuries excluding adverse events | 1,752 | | 8 | 22 | 35 | 50 | 63 | 50 | 80 | 65 | 65 | 71 | 39 | 72 | 106 | 91 | 122 | 125 | 140 | 174 | 184 | 190 |
| Top 5 Mechanisms of Injury with Evidence-based Prevention Strategies | | | | | | | | | | | | | | | | | | | | | | |
| Falls | 896 | 51 | <5 | 10 | 13 | 11 | 9 | 6 | 18 | 11 | 10 | 20 | 17 | 29 | 52 | 43 | 67 | 75 | 90 | 119 | 137 | 158 |
| Motor vehicle | 102 | 6 | <5 | <5 | <5 | 5 | 5 | 8 | 5 | 10 | 10 | <5 | <5 | 8 | 12 | <5 | 8 | 12 | <5 | <5 | <5 | <5 |
| Suicide / Self-harm | 80 | 5 | <5 | <5 | <5 | 7 | 14 | 7 | 8 | <5 | 8 | 6 | <5 | 8 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Violence / Purposely Inflicted | 48 | 3 | <5 | <5 | <5 | <5 | <5 | 7 | 10 | 6 | 5 | 7 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| All-Terrain / Off-road Vehicles | 35 | 2 | <5 | <5 | <5 | 6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

Falls were the leading cause of injury hospital admissions of Ponoka residents accounting for 51% of all injury admissions.

The next leading mechanisms were:

- » Motor vehicle injuries accounted for 6% of injury hospital admissions.
- » Suicide / self-harm injuries accounted for 5%.
- » Violence / purposely inflicted injuries accounted for 3% of injury admissions.
- » All-terrain / off-road vehicle injuries accounted for 2% of injury admissions.

Other Mechanisms of Injury, Ponoka, 2013-2022

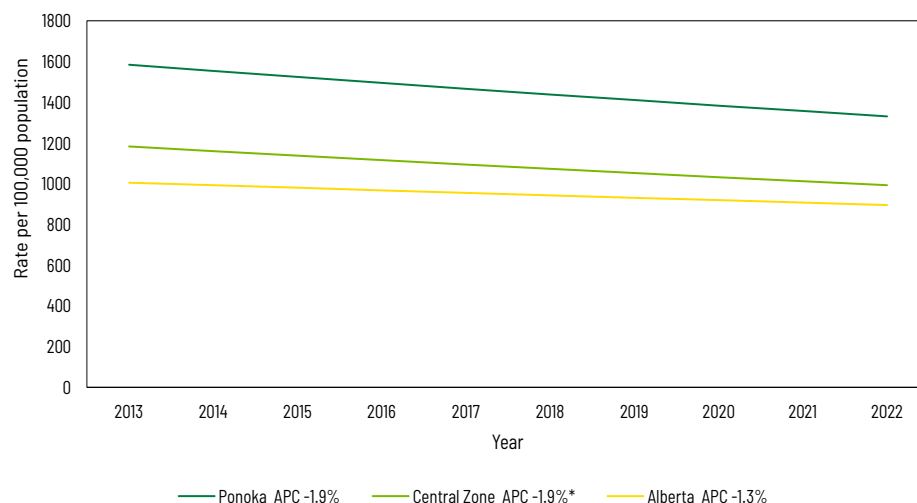
| Mechanism of Injury | # Admission All Ages | % of All Injuries |
|--|----------------------|-------------------|
| Other / Unspecified | 179 | 10 |
| Suffocation / Choking / Foreign Body | 121 | 7 |
| Poisoning (unintentional / undetermined) | 44 | 3 |
| Struck by / against an Object / Person | 41 | 2 |
| Natural / Environmental Factors | 41 | 2 |
| Overexertion / Strenuous Movements | 36 | 2 |
| Late Effects | 24 | 1 |
| Sports-related | 21 | 1 |
| Machinery | 17 | 1 |
| Cutting / Piercing | 14 | 1 |
| Fire / Flames | 13 | 1 |
| Firearms | 5 | 0 |
| Other Classifiable | <5 | 0 |
| Air / Space Transport | <5 | 0 |
| Operations of War / Legal | <5 | 0 |
| Water Transport | <5 | 0 |
| Railway | <5 | 0 |
| Vehicle (not elsewhere classified) | <5 | 0 |
| Drowning | <5 | 0 |

Comparison of Overall Injury Hospital Admission Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

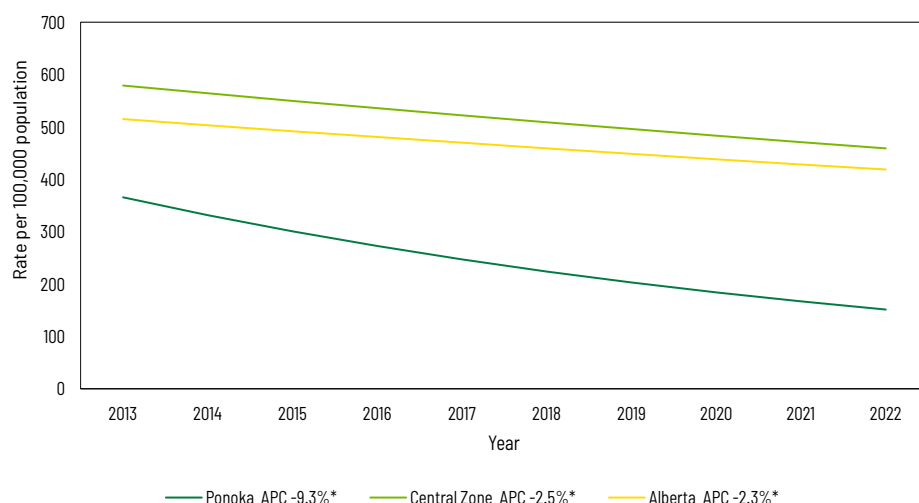
Over the 10-year period from 2013 to 2022, there was an average of 175 admissions of Ponoka area residents due an injury each year.

When we compare the overall injury age-standardized hospital admission rates of Ponoka with the Central Zone, and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates.

Ponoka experienced a decrease in the injury rate of 1.9% each year. The Central Zone experienced a statistically significant decrease of 1.9% each year, and Alberta experienced a 1.3% decrease each year.



Comparison of Fall Injury Hospital Admission Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022



Over the 10-year period from 2013 to 2022, there was an average of 28 hospital admissions of Ponoka area residents due to a fall each year.

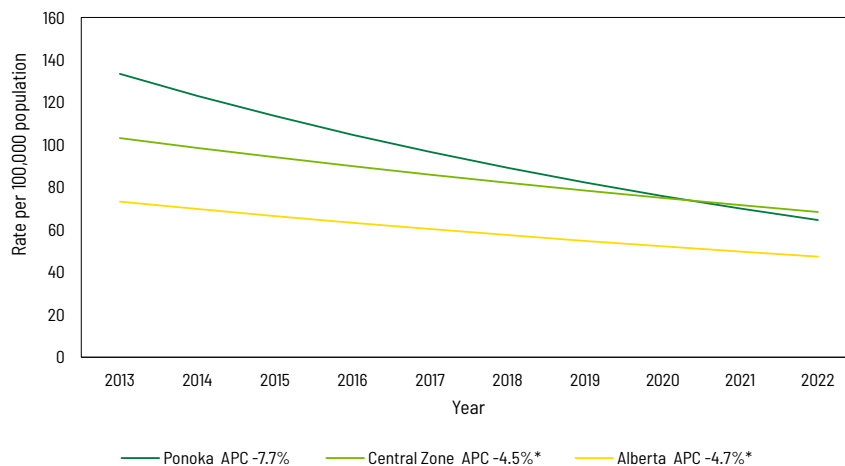
When we compare the fall injury age-standardized hospital admission rates of Ponoka with the Central Zone and Alberta, the Ponoka rate was lower than both the Central Zone and Alberta rates.

Over the 10-year period, Ponoka experienced a statistically significant decrease of 9.3% each year. The Central Zone experienced a statistically significant decrease of 2.5% each year, and Alberta experienced a statistically significant decrease of 2.3% each year.

Comparison of Motor Vehicle Injury Hospital Admission Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

Over the 10-year period from 2013 to 2022, there was an average of 7 hospital admissions of Ponoka area residents due to a motor vehicle injury each year.

When we compare the motor vehicle injury age-standardized rates of Ponoka, Central Zone, and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates in 2013. The Ponoka rate decreased and in 2022 the Ponoka rate was lower than the Central Zone rate but higher than the Alberta rate.

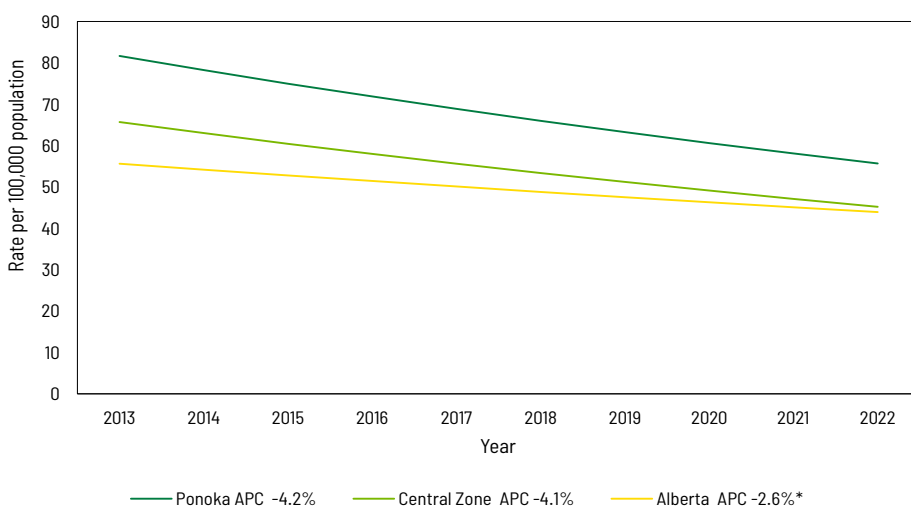


Ponoka experienced a decrease in the motor vehicle injury rate of 7.7% each year. The Central Zone experienced a statistically significant decrease of 4.5% each year, and Alberta also experienced a statistically significant decrease of 4.7% each year.

Comparison of Suicide / Self-harm Hospital Admission Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

Over the 10-year period from 2013 to 2022, there was an average of 8 hospital admissions of Ponoka area residents due to suicide / self-harm injuries each year.

When we compare the suicide / self-harm injury admission age-standardized rates of Ponoka, Central Zone, and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates.

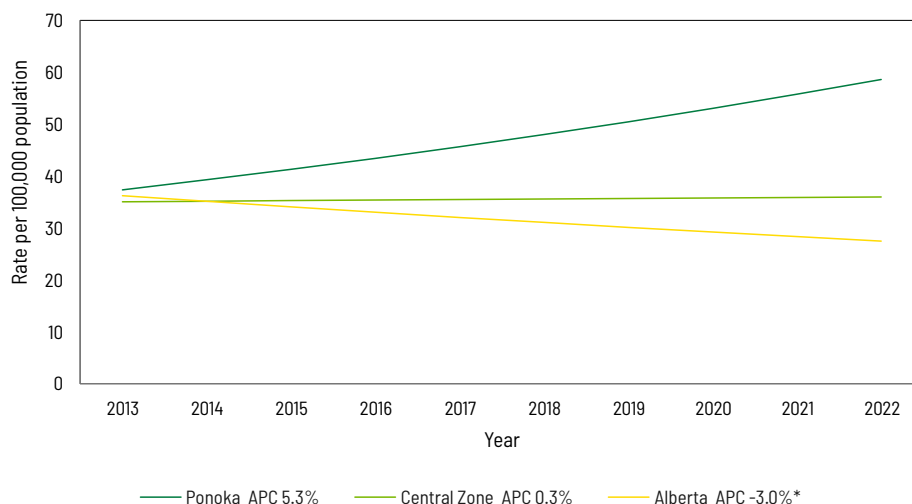


Ponoka experienced a decrease in the suicide / self-harm admission rates of 4.2% each year. The Central Zone experienced a decrease of 4.1% each year, and Alberta experienced a statistically significant decrease of 2.6% each year.

Comparison of Violence / Purposely Inflicted Injury Hospital Admission Rates (age-standardized) for Ponoka, Central Zone, Alberta, 2013-2022

Over the 10-year period from 2013 to 2022, an average of 5 Ponoka area residents were admitted to hospital due to violence / purposely inflicted injuries each year.

When we compare the violence-related injury age-standardized rates of Ponoka, Central Zone, and Alberta, the Ponoka rate was higher than both the Central Zone and Alberta rates.

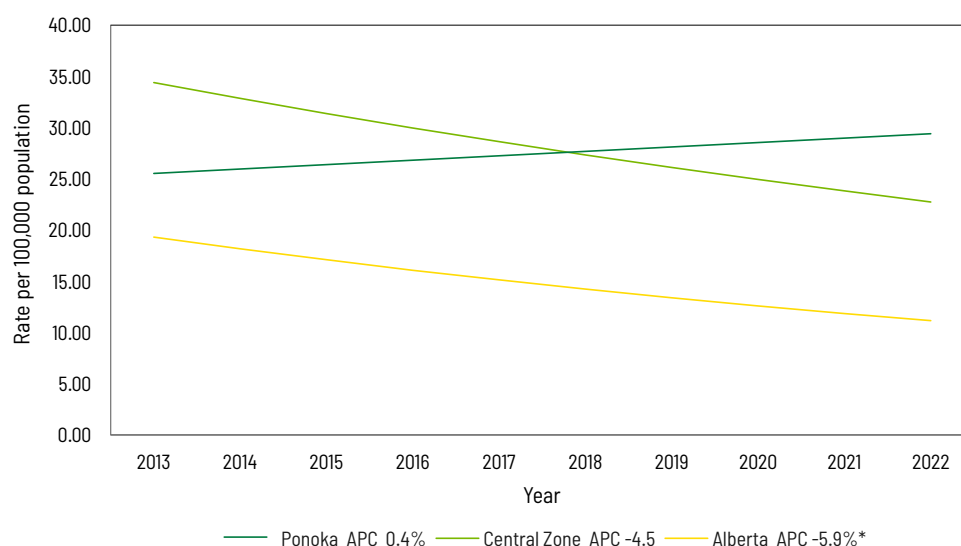


Ponoka experienced an increase in violence-related injury admission rate of 5.3% each year. The Central Zone experienced a slight increase of 4.5% each year, and Alberta experienced a statistically significant decrease 3.0% each year.

Comparison of All Terrain / Off-Road Vehicle Hospital Admission Rates (age-standardized) for Ponoka, Central Zone and Alberta, 2013-2022

Over the 10-year period from 2013 to 2022, an average of 4 Ponoka area residents were admitted to hospital due to all terrain / off-road vehicle-related injuries each year.

When we compare the all terrain / off-road vehicle-related injury age-standardized rates of Ponoka, Central Zone, and Alberta, the Ponoka rate initially was lower than the Central Zone but higher than the Alberta rate. However, in 2022, the Ponoka rate was higher than the Central Zone. Ponoka experienced an all terrain / off-road vehicle-related hospital admission rate increase of 0.4% each year.



The Central Zone experienced a decrease of 4.5% each year, and Alberta experienced a statistically significant decrease of 5.9% each year.

Top 5 Mechanisms of Deaths, Central Zone*, 2013-2022

*Due to the small number of injury deaths of Ponoka residents, only **Central Zone** death numbers will be presented.

| Mechanism of Injury / Age Group (years) | All Injuries | % of All injuries | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|--------------|-------------------|------|------|------|------|------|------|------|------|------|------|
| All injuries excluding adverse events | 3,346 | | 305 | 312 | 344 | 346 | 305 | 361 | 325 | 284 | 376 | 388 |
| Top 5 Mechanisms of Injury with Evidence-based Prevention Strategies | | | | | | | | | | | | |
| Poisoning (unintentional / undetermined) | 917 | 27 | 49 | 58 | 77 | 89 | 82 | 103 | 112 | 73 | 143 | 131 |
| Suicide / Self-Harm | 826 | 25 | 83 | 80 | 72 | 98 | 87 | 92 | 66 | 66 | 89 | 93 |
| Motor vehicle | 573 | 17 | 64 | 67 | 89 | 61 | 46 | 51 | 58 | 43 | 33 | 61 |
| Falls | 329 | 10 | 29 | 30 | 31 | 33 | 23 | 28 | 34 | 32 | 50 | 39 |
| Violence / Injury Purposely Inflicted | 98 | 3 | 6 | 13 | 13 | 12 | 6 | 9 | 5 | 11 | 17 | 6 |

Poisonings (unintentional / undetermined) was the leading cause of injury death for residents of the Central Zone accounting for 27% of all injury deaths.

The next leading mechanisms of injury death were:

- » Suicide / self-harm deaths accounted for 25% of injury deaths.
- » Motor vehicle injuries accounted for 17% of injury deaths.
- » Falls accounted for 10% of injury deaths.
- » Violence / injury purposely-inflicted accounted for 3% of all injury deaths.

Other Mechanisms of Injury, Central Zone, 2013-2022

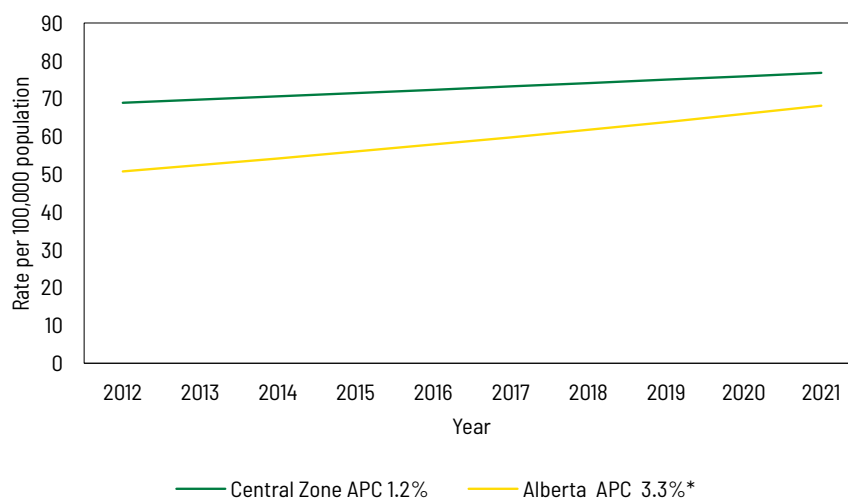
| Mechanism of Injury | # Deaths All Ages | % of All Injuries |
|--|-------------------|-------------------|
| Other / Unspecified | 194 | 6 |
| Suffocation / Choking / Foreign Body | 91 | 3 |
| Drowning | 49 | 1 |
| Natural / Environmental Factors | 48 | 1 |
| All-Terrain / Off-Road Vehicles | 39 | 1 |
| Fire / Flames | 38 | 1 |
| Late Effects | 36 | 1 |
| Struck by / against an Object / Person | 29 | 1 |
| Machinery | 22 | 1 |
| Air / Space Transport | 7 | 0 |
| Railway | 6 | 0 |
| Vehicle (not elsewhere classified) | <5 | 0 |
| Sports-Related | <5 | 0 |
| Operations of War / Legal | <5 | 0 |
| Cutting / Piercing | <5 | 0 |
| Other Classifiable | <5 | 0 |
| Firearms | <5 | 0 |
| Water Transport | <5 | 0 |
| Overexertion / Strenuous Movements | <5 | 0 |

Comparison of Overall Injury Death Rates (age-standardized) for Central Zone and Alberta, 2012-2021

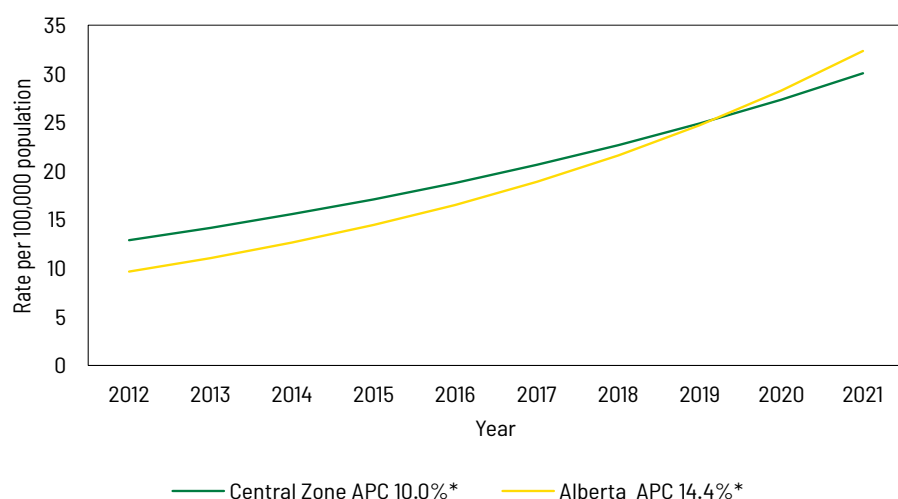
Over the 10-year period from 2012 to 2021, an average of 345 Central Zone area residents died due to an injury each year.

When we compare the overall injury age-standardized death rates of Central Zone and Alberta, the Central Zone had overall injury death rate was higher than the Alberta rates.

Central Zone experienced an increase in the overall injury death rate of 1.2% each year. Alberta experienced a statistically significant increase in the overall injury death rate of 3.3% each year.



Comparison of Poisoning (unintentional and undetermined) Death Rates (age-standardized) for Central Zone and Alberta, 2012-2021

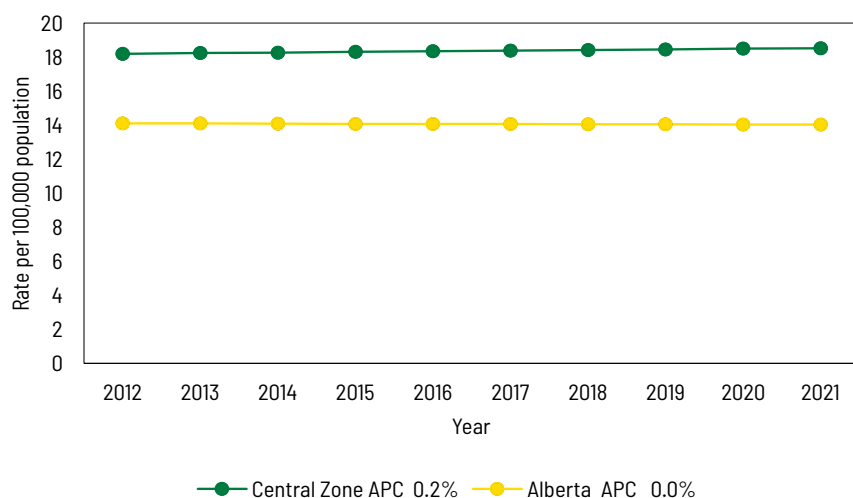


Over the 10-year period from 2012 to 2021, an average of 92 Central Zone area residents died due to unintentional / undetermined poisonings each year. This accounted for 27% of injury deaths.

When we compare the poisoning injury age-standardized death rates of Central Zone and Alberta, initially the Central Zone had a higher poisoning rate however, as of 2020, the Central Zone rate was lower than the Alberta rate.

The Central Zone experienced a statistically significant increase in the poisoning death rate of 10% each year, and Alberta also experienced a statistically significant increase of 14.4% each year.

Comparison of Suicide / Self-Harm Death Rates (age-standardized) for Central Zone and Alberta, 2012-2021



Over the 10-year period from 2012 to 2021, there was an average of 83 Central Zone residents who died due suicide / self-harm injuries each year.

When we compare the suicide / self-harm age-standardized death rates of Central Zone and Alberta, the Central Zone had a suicide / self-harm injury death rate higher than the Alberta rate.

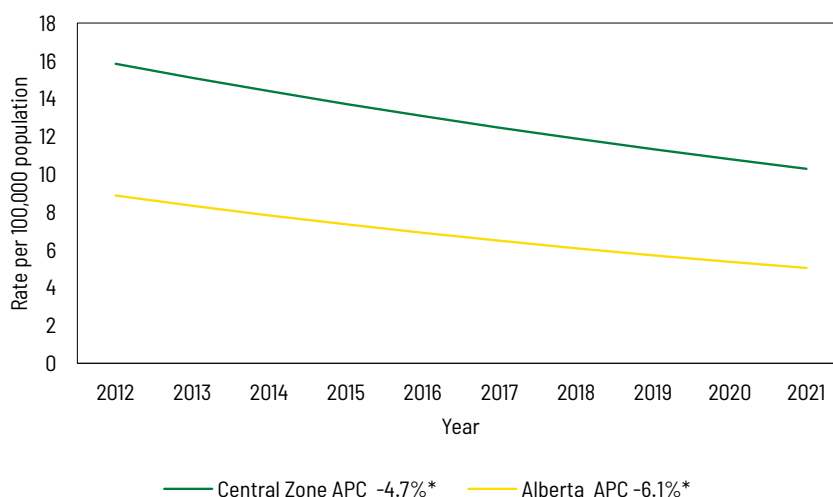
Over the 10 years, both the Central Zone and Alberta experience little change in the suicide / self-harm death rates. The Central Zone experienced a slight increase of 0.2% each year. There was no change in the Alberta suicide / self-harm death rate.

Comparison of Motor Vehicle Death Rates (age-standardized) for Central Zone and Alberta, 2012-2021

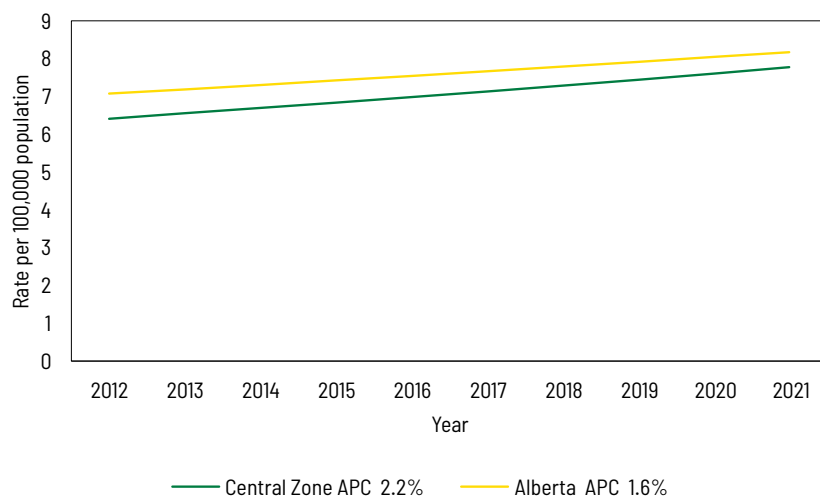
Over the 10-year period from 2012 to 2021, an average of 57 Central Zone residents died as a result of a motor vehicle incident each year. This accounts for 17% of all injury deaths.

When we compare the motor vehicle injury age-standardized death rates of Central Zone and Alberta, the Central Zone rate was higher than the Alberta rates.

The Central Zone experienced a statistically significant decrease in the motor vehicle death rate of 4.7% each year. Alberta experienced a statistically significant death rate decrease of 6.1% each year.



Comparison of Fall Injury Death Rates (age-standardized) for Central Zone and Alberta, 2012-2021



Over the 10-year period from 2012 to 2021, an average of 33 Central Zone residents died as a result of a fall each year.

When we compare the fall age-standardized death rates of Central Zone and Alberta, the Central Zone had a fall death rate higher than the Alberta rate.

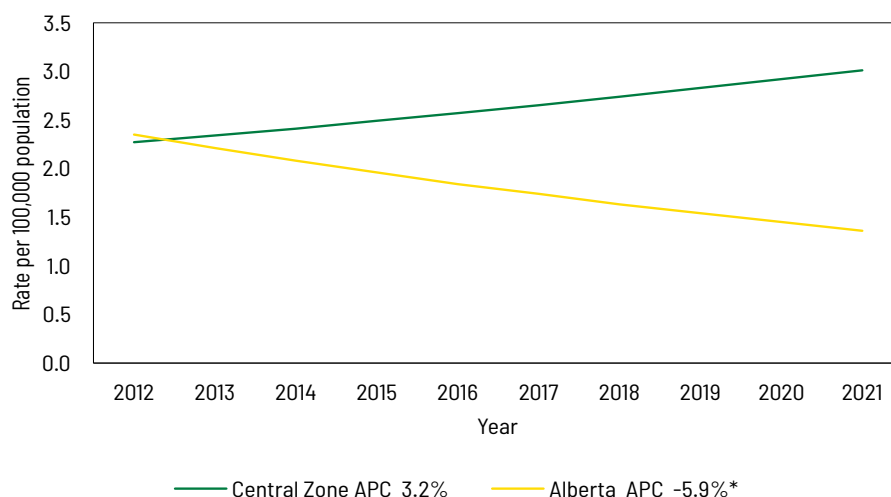
Both the Central Zone and Alberta experienced a rate increase over the 10 year period. The Central Zone had a 2.2% increase each year, and Alberta had a 1.6% increase each year.

Comparison of Violence / Injury Purposely Inflicted Death Rates (age-standardized) for Central Zone and Alberta, 2012-2021

Over the 10-year period from 2012 to 2021, an average of 9 Central Zone residents died due to injuries from violence / injury purposely inflicted each year.

When we compare the violence / injury purposely inflicted age-standardized death rates of Central Zone and Alberta, the Central Zone had a violence / injury purposely inflicted death rate higher than the Alberta rate.

The Central Zone experienced a 3.2% average annual increase in the violence / injury purposely inflicted death rate, whereas Alberta experienced a statistically significant rate decrease of 5.9% each year.



DATA SOURCES AND METHODS

Data for this report was obtained from Alberta Health. Emergency Department Visits are from the National Ambulatory Care Reporting System (NACRS) with a visit date between January 1, 2013 to December 31, 2022. Hospital admissions are from the Discharge Abstract Database (DAD) with a discharge date from January 1, 2013 to December 31, 2022. The deaths are from Vital Statistics, Alberta with a death date from January 1, 2012 to December 31, 2021.

The mechanism of injury was determined by the first external cause of injury (V01-Y09) classified according to International Classification of Disease (ICD-10 CA) excluding adverse events and medical / surgical complications.

The data are based on emergency department visits rather than individual patients, therefore multiple visits of the same patient for the same injury would be counted as separate cases.

Non-residents of Alberta, those identified as not having an Alberta postal code at the time of the visit were removed.

Direct age-standardization method was used as it accounts for differences in the age structures of the populations being compared (study populations), by weighting their respective age-specific rates to the age distribution of a standard population. The Canadian population of 2022 was used as the standard population. Regression analysis of injury data was performed using the Joinpoint Regression Program which was developed by the Statistical Research and Applications Branch of the National Cancer Institute of the U.S. National Institutes of Health. Joinpoint uses statistical analysis to fit the most appropriate trend line model based on the time series data (i.e. age-standardized injury rates). For more information please go to the link at:

<http://surveillance.cancer.gov/joinpoint>

Changes in the trend line are expressed by the average annual per cent change (APC). The sum of the average percentage change between time period will give the overall change.

Percentages and rates were not adjusted for the number of registered participants, frequency of play, duration of play, seasonal weather conditions or influences of COVID-19.

Supplemental Data

Numerator: Geographic Assignment: The Alberta Hospital Morbidity file was linked with the Alberta Health Care Insurance Plan (AHCIP) Population Registration Data file to identify visits belonging to Alberta residents (at the time of visit or following fiscal year end). Only those of Alberta residents are included. The local geographic area was assigned based on postal code of the patient at the time of the health care encounter. For this report, those residents with the local geographic area of Z3.6.A.03 were included.

Denominator:

Inclusion: The population data is sourced from the mid-year adjusted AHCIP Population Registry Files (See the methodological notes for the adjusted population estimates in the Alberta Health, Interactive Health Database Application for more detail). These population counts serve as estimates of person-years for a given calendar year.

Geographic Assignment:

The postal code on the adjusted mid-year population registry file is used to determine the geographic location of the individual as of June 30 each year. The geography of residence is obtained by linking with the postal code using the postal code translation file.

Age and Sex Assignment: The date of birth and sex on the mid-year population registry file is used to calculate the age and sex of the individual as of June 30 each year.

The population exclude; members of the Armed Forces, RCMP, inmates in Federal Penitentiaries, or those who have opted out of the Alberta Health Care Insurance Plan. Observations with a missing value for sex or age are excluded; transfers between facilities are included as multiple visits. Adjusted population estimates (See the methodological notes for the adjusted population estimates in the IHDA for more detail) are used for the denominators of the rates. The newly recalculated incidence rates will differ slightly from all previously reported figures released on the IHDA prior to July, 2014. Emergency department visits by Alberta residents in the Lloydminster hospital (Saskatchewan side of border) are not included.

Age-Standardized Rates:

Overall Description The Age-Standardized Rates of Hospital Separations due to Injury is a measure of the frequency (rate) at which injury related hospital separations occur if that population (Alberta) had the same age distribution as the standard population (Canada 2011). This measure captures multiple separations per person.

Regression analysis of injury data was performed using the Joinpoint Regression Program which was developed by the Statistical Research and Applications Branch of the National Cancer Institute of the U.S. National Institutes of Health. Joinpoint uses statistical analysis to fit the most appropriate trend line model based on the time series data (i.e. age-standardized injury rates), For more information please go to the link at: <http://surveillance.cancer.gov/joinpoint>

Changes in the trend line are expressed by the average annual per cent change (APC). The sum of the average percentage change between time period will give the overall change.

Confidence Intervals:

Confidence intervals are provided for most rates to aid interpretation. Using confident intervals acknowledges that the observed rate is an estimate of an underlying true rate that cannot be directly observed. The width of the confidence interval illustrates the degree of variability associated with the rate. The true rate will fall between the upper and lower confidence intervals 19 out of 20 times (95 per cent confidence).

Not Corrected:

Rates were not corrected / adjusted for participation, weather conditions, or COVID-19 effects.

Supplemental Data

| Mechanism / Cause of Injury | Inclusion / Exclusion |
|-----------------------------|---|
| Cutting / Piercing | Includes: powered lawn mower, power tools, household appliances, knives, swords, hand tools and implements, hypodermic needle, broken glass, dart / arrow, edge of stiff paper, nail, splinter, tin can lid. |
| Drowning / Submersion | Includes: water transport accidents, drowning / submersion while: waterskiing, diving, fishing (except with boat), ice-skating, playing in water, surfboarding, swimming, wading in water. |
| Fall | Excludes: falls related to sports Includes: fall on or from stairs / steps, ladders / scaffolding, from or out of building / structure, into hole or other opening in surface, fall from one level to another, fall on same level from slipping / tripping / stumbling, fall on same level from collision / pushing / shoving by or with person (not sports). |
| Fire / Scald / Burn | Includes: fire, flames, hot objects / substances. Explosion caused by fire, smoke, smoke, and fumes from fire in private dwelling, building or structure, ignition of clothing, ignition of highly flammable materials. Burns caused by: hot substance or object, caustic or corrosive material and steam. |
| Firearm | Includes: handgun, pistol, revolver, shotgun (automatic), hunting rifle, military firearm / machine gun, air gun, flare pistol. |
| Machinery | Includes: agriculture machinery, mining / earth-drilling machines, chain hoists, crane, derrick, elevator, forklift, winch, metal working machine, woodworking / forming machines, gas turbine / steam / internal combustion engine, transmission machinery, bulldozer, roadscraper, manufacturing machines. |
| Motor Vehicle - Traffic | Definition: includes any motor vehicle occurring on a public highway. A motor vehicle 'accident' is assumed to have occurred on the highway unless another place is specified, except in the case of off-road motor vehicles which are classified as nontraffic 'accidents' unless the contrary is stated. Includes: driver, passenger, motor cyclist, bicyclist, pedestrian, or other unspecified. |
| Bicyclist - Non-Traffic | Excludes: bicyclist unspecified person. Includes bicycle 'accidents' with railway, snowmobile, other off-road vehicle, animal, pedestrian, stationary object while boarding and alighting. |
| Pedestrian - Non-Traffic | Includes: pedestrian 'accidents' with railway, snowmobile, other off-road vehicle, animal pedestrian, stationary object |

Supplemental Data

| Mechanism / Cause of Injury | Inclusion / Exclusion |
|---|---|
| Natural / Environmental | Includes: excessive cold / heat, thirst, exposure, neglect, bites/ / stings, dog bites, forces of nature, air pressure change, travel and motion, other and unspecified environmental and accidental causes. |
| Overexertion | Includes: overexertion from lifting, pulling, pushing, strenuous movements in recreational activities and other activities. |
| Unintentional Poisoning | Includes: accidental overdose of drug, wrong drug given or taken in error, and drug taken inadvertently. Excludes: administration with suicidal or homicidal intent or intent to harm, correct drug properly administered in the therapeutic or prophylactic dosage as the cause of an adverse effect. |
| Struck by Object / Persons | Includes: struck by falling object, person / object (excluding sports), caught in or between objects. Excludes: sports-related. |
| Suffocation / Foreign Body in Natural Opening | Includes: inhalation and ingestion of food / object causing obstruction of respiratory tract / suffocation, accidental mechanical suffocation, and foreign body in natural opening. |
| Other Specified Classifiable | Includes: fracture unspecified, cause unspecified, explosion of pressure vessel, 'accident' caused by explosive material, 'accident' caused by electric current, exposure to radiation. |
| Late Effects of Injury | Definition: a residual condition (sequelae) of a disease that is no longer present. Includes: late effects of motor vehicle 'accident' other transportation 'accident', 'accidental' poisoning, 'accidental' fall, 'accident' caused by fire, 'accident' due to natural and environmental factors, other 'accident' unspecified 'accident'. |
| Sports Related | Includes: fall on same level from collision, pushing or shoving by or with other person in sports (tackle), and striking against or struck accidentally by object or person in sports. |
| Other Injuries, Undetermined Intent | Includes: injuries undetermined whether accidental (unintentional), suicide (attempted), or assault of substances including: poisoning by solid or liquid, gas, hanging, strangulation, or suffocation, submersion / drowning, injury by firearm, cutting / piercing, fire / burn / scald, electrocution. |
| Attempted Suicide / Self-Inflicted | Includes: attempted suicide / self-inflicted poisonings by solids or liquids, hanging, firearms, cutting / piercing instruments, carbon monoxide, other. |

Injury Data Overview: Ponoka

Number of Injury Emergency Visits by Age Group, Ponoka, 2013 - 2022

| Mechanism of Injury | All Ages | % of All Injuries | <1 | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ |
|--|----------|-------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| All injuries excluding adverse events | 24,477 | | 162 | 1,613 | 1,468 | 2,201 | 2,761 | 1,886 | 1,777 | 1,630 | 1,331 | 1,262 | 1,279 | 1,311 | 1,337 | 1,081 | 827 | 624 | 574 | 516 | 464 | 383 |
| Top 5 Mechanism of Injury with Actionable Injury Prevention Strategies | | | | | | | | | | | | | | | | | | | | | | |
| Falls | 5,887 | 24 | 69 | 503 | 399 | 420 | 325 | 237 | 226 | 234 | 197 | 204 | 248 | 336 | 427 | 327 | 305 | 273 | 264 | 302 | 305 | 286 |
| Sports-related | 1,385 | 6 | 0 | 26 | 125 | 506 | 397 | 88 | 73 | 52 | 36 | 30 | 14 | 12 | 8 | 5 | 9 | 2 | 2 | 0 | 0 | 0 |
| Motor vehicle | 959 | 4 | 0 | 16 | 21 | 28 | 188 | 95 | 89 | 68 | 66 | 65 | 53 | 68 | 48 | 41 | 27 | 28 | 21 | 14 | 20 | 3 |
| Violence/Purposely inflicted | 752 | 3 | 0 | 5 | 3 | 25 | 119 | 136 | 98 | 90 | 74 | 71 | 38 | 47 | 25 | 12 | 5 | 2 | 1 | 0 | 1 | 0 |
| Fire/Flames | 400 | 2 | 12 | 43 | 21 | 19 | 55 | 35 | 23 | 24 | 16 | 34 | 27 | 19 | 13 | 26 | 9 | 8 | 7 | 7 | 1 | 0 |
| Mechanism of Injury with Little or No Evidence-based Prevention Strategies | | | | | | | | | | | | | | | | | | | | | | |
| Other Unspecified | 2,851 | 12 | 37 | 211 | 176 | 243 | 309 | 205 | 244 | 173 | 140 | 150 | 178 | 151 | 129 | 123 | 100 | 66 | 75 | 61 | 44 | 36 |
| Struck by/against an object/person | 2,823 | 12 | 15 | 313 | 235 | 227 | 339 | 257 | 197 | 188 | 166 | 130 | 131 | 151 | 118 | 109 | 65 | 51 | 53 | 30 | 23 | 25 |
| Cutting/piercing | 2,395 | 10 | 2 | 97 | 132 | 116 | 259 | 237 | 200 | 223 | 170 | 152 | 153 | 137 | 171 | 127 | 77 | 50 | 37 | 35 | 18 | 2 |
| Overexertion/strenuous movements | 2,091 | 9 | <5 | 48 | 65 | 281 | 313 | 166 | 158 | 161 | 142 | 123 | 138 | 133 | 108 | 79 | 49 | 41 | 30 | 21 | 7 | 6 |
| Natural/environmental factors | 1,702 | 7 | 6 | 147 | 114 | 95 | 104 | 99 | 156 | 106 | 99 | 113 | 140 | 99 | 135 | 97 | 71 | 42 | 42 | 20 | 10 | 7 |
| Suffocation/choking/foreign body | 1,267 | 5 | 16 | 155 | 61 | 30 | 70 | 112 | 94 | 110 | 82 | 77 | 76 | 64 | 66 | 64 | 64 | 30 | 34 | 22 | 28 | 12 |
| Unintentional/undetermined poisonings | 384 | 2 | <5 | 20 | 8 | 17 | 51 | 32 | 63 | 47 | 32 | 16 | 12 | 19 | 22 | 12 | 11 | 8 | <5 | <5 | <5 | 5 |
| Suicide/self-harm | 344 | 1 | <5 | <5 | <5 | 28 | 73 | 38 | 27 | 59 | 35 | 20 | 24 | 15 | 11 | 8 | <5 | <5 | <5 | <5 | <5 | <5 |
| All-Terrain/off road vehicles | 315 | 1 | <5 | 11 | 23 | 35 | 54 | 41 | 43 | 23 | 16 | 16 | 11 | 12 | 12 | 8 | 8 | <5 | <5 | <5 | <5 | <5 |
| Machinery | 208 | 1 | <5 | <5 | 7 | 8 | 14 | 17 | 18 | 22 | 16 | 13 | 11 | 15 | 22 | 17 | 10 | 9 | <5 | <5 | <5 | <5 |
| Other classifiable | 64 | 0 | <5 | <5 | <5 | <5 | 17 | 9 | 7 | 5 | 8 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Water transport | 18 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Firearms | 17 | 0 | <5 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Late effects | 17 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vehicle-not elsewhere classified | 14 | 0 | <5 | <5 | <5 | <5 | 6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Operations of war/legal | 14 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Drowning | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Airspace transport | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Railway | 0 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

Cells with values less than 5 were reported <5. Actual cell value included in the totals.

Number of Injury Hospital Admissions by Age Group, Ponoka, 2013 - 2022

| Mechanism of Injury | All Ages | % of All Injuries | <1 | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ |
|--|----------|-------------------|----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| All Injuries excluding adverse events | 1752 | | 8 | 22 | 35 | 50 | 63 | 50 | 80 | 65 | 65 | 71 | 39 | 72 | 106 | 91 | 122 | 125 | 140 | 174 | 184 | 190 |
| Top 5 Mechanisms of Injury with Actionable Injury Prevention Strategies | | | | | | | | | | | | | | | | | | | | | | |
| Falls | 896 | 51 | <5 | 10 | 13 | 11 | 9 | 6 | 18 | 11 | 10 | 20 | 17 | 29 | 52 | 43 | 67 | 75 | 90 | 119 | 137 | 158 |
| Motor vehicle | 102 | 6 | <5 | <5 | <5 | 5 | 5 | 8 | 5 | 10 | 10 | <5 | <5 | 8 | 12 | <5 | 8 | 12 | <5 | <5 | <5 | <5 |
| Suicide/self-harm | 80 | 5 | <5 | <5 | <5 | 7 | 14 | 7 | 8 | <5 | 8 | 6 | <5 | 8 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Violence/purposely inflicted | 48 | 3 | <5 | <5 | <5 | <5 | <5 | 7 | 10 | 6 | 5 | 7 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| All-Terrain/off road vehicles | 35 | 2 | <5 | <5 | <5 | 6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Mechanism of Injury with Little or No Evidence-based Prevention Strategies | | | | | | | | | | | | | | | | | | | | | | |
| Other/unspecified | 179 | 10 | <5 | <5 | <5 | 6 | <5 | <5 | <5 | 8 | <5 | 10 | <5 | <5 | 10 | 6 | 14 | 11 | 20 | 29 | 20 | 19 |
| Suffocation/choking/foreign body | 121 | 7 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | 13 | 17 | 14 | 12 | 13 | 15 | 7 |
| Unintentional/undetermined poisonings | 44 | 3 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Struck by/against an object/person | 41 | 2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Natural/environmental factors | 41 | 2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Overexertion/strenuous movements | 36 | 2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Late effects | 24 | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 |
| Sports-related | 21 | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Machinery | 17 | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Cutting/piercing | 14 | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Fire/flames | 13 | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Firearms | 5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Other classifiable | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Air/space transport | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Operations of war/legal | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Water transport | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Railway | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vehicle-not elsewhere classified | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Drowning | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

Cells with values less than 5 were reported <5. Actual cell value included in the totals.

Number of Injury Deaths by Year, Central Zone, 2013 - 2022

| Mechanism of Injury | All Ages | % of All Injuries | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|---------------------|-------------------|------|------|------|------|------|------|------|------|------|------|
| All Injuries excluding adverse events | 3,346 | | 305 | 312 | 344 | 346 | 305 | 361 | 325 | 284 | 376 | 388 |
| Top 5 Mechanism of Injury with Actionable Injury Prevention Strategies | | | | | | | | | | | | |
| Unintentional/undetermined poisonings | 917 | 27 | 49 | 58 | 77 | 89 | 82 | 103 | 112 | 73 | 143 | 131 |
| Suicide/self-harm | 826 | 25 | 83 | 80 | 72 | 98 | 87 | 92 | 66 | 66 | 89 | 93 |
| Motor vehicle | 573 | 17 | 64 | 67 | 89 | 61 | 46 | 51 | 58 | 43 | 33 | 61 |
| Falls | 329 | 10 | 29 | 30 | 31 | 33 | 23 | 28 | 34 | 32 | 50 | 39 |
| Violence/purposely inflicted | 98 | 3 | 6 | 13 | 13 | 12 | 6 | 9 | 5 | 11 | 17 | 6 |
| Mechanism of Injury with Little or No Evidence-based Prevention Strategies | | | | | | | | | | | | |
| Mechanism of Injury | # Deaths All | % | | | | | | | | | | |
| Other/unspecified | 194 | 6 | 22 | 16 | 26 | 10 | 21 | 28 | 15 | 21 | 21 | 14 |
| Suffocation/choking/foreign body | 91 | 3 | 14 | 14 | 7 | 8 | 10 | 10 | 9 | 8 | 5 | 6 |
| Drowning | 49 | 1 | 5 | 6 | <5 | 9 | <5 | 8 | <5 | 6 | <5 | <5 |
| Natural/environmental factors | 48 | 1 | 5 | <5 | <5 | <5 | <5 | <5 | 7 | 7 | <5 | 13 |
| All-Terrain/off road vehicles | 39 | 1 | 7 | 5 | <5 | 7 | <5 | <5 | <5 | <5 | <5 | 6 |
| Fire/Flames | 38 | 1 | 7 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | <5 |
| Late effects | 36 | 1 | 5 | <5 | <5 | <5 | 5 | 8 | <5 | <5 | <5 | <5 |
| Struck by/against an object/person | 29 | 1 | <5 | 6 | <5 | <5 | <5 | <5 | 6 | <5 | <5 | <5 |
| Adverse events | 23 | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Machinery | 22 | 1 | <5 | <5 | 6 | 5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Air/space transport | 7 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Railway | 6 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vehicle-not elsewhere classified | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Sports-related | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Operations of war/legal | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Cutting/piercing | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Other classifiable | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Firearms | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Water transport | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Overexertion/strenuous movements | <5 | 0 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

Cells with values less than 5 were reported <5. Actual cell value included in the totals.

If you would like additional information about injuries, please visit <http://injurypreventioncentre.ca> or contact us via phone at **780.492.6019** or email ipc@ualberta.ca



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Funding and Support

The Injury Prevention Centre receives core business funding from Alberta Health and is part of the School of Public Health at the University of Alberta. Provision of funding by Alberta Health does not signify that this project represents the policies or views of Alberta Health.