

## About the Data: Injuries

Last Updated: April 24, 2017

### Injuries: All Admissions and Emergency Department (ED) visits 2014/15 to 2015/16

#### Introduction

Using ICD-10 diagnostic codes for injuries, including both unintentional and intentional injury codes, we generated data for adults Age 0-24, Age 25-44, Age 45-64, Age 65+, All Ages 0+ for hospitalizations or emergency department visits for injuries (i.e. the number of visits to a hospital or ED for an injury). Two years of data, 2014/15 to 2015/16 were used to generate injury rates. A list of the ICD-10 injury codes appear at the bottom of this document.

These datasets were linked using unique, encoded identifiers and analyzed at the Institute for Clinical Evaluative Sciences (ICES).

The Injuries data are provided at the following levels of geography:

- City of Toronto
- Ontario Neighbourhoods
  - 140 Toronto Neighbourhoods (LHIN 7)
  - 105 Neighbourhoods in Central LHIN (LHIN 8)
- 14 Ontario Local Health Integration Networks (LHIN)
- Province of Ontario

#### Data Source

The following information was derived from documentation available from the Institute for Clinical Evaluative Sciences (ICES): <http://www.ices.on.ca/>

- Canadian Institute for Health Information (CIHI), Discharge Abstract Database
- Canadian Institute for Health Information (CIHI), National Ambulatory Reporting System (NACRS)

Demographics - Based on 2011 Census population estimates. (Statistics Canada, 2011 Census of Population)

Numerator: All Admissions and Emergency Department (ED) *visits* for Injuries for 2014/15 to 2015/16 (April 1, 2014 - March 31, 2016) observation period.

Data source: Discharge Abstract Database (DAD-CIHI), National Ambulatory Care Reporting System (NACRS-CIHI).

#### Methods:

All unscheduled hospital admissions and emergency department visits for injuries for Age 0-24, Age 25-44, Age 45-64, Age 65+, All Ages 0+.

1. Using CIHI-DAD and CIHI-NACRS, all records with ICD-10 codes for injury(ies) for 2014/15 to 2015/16 (April 1, 2014 - March 31, 2016) observation period were generated;  
Note: Data is for the number of visits and does not include the specific type of injury only for visits to the hospital or emergency department coded as an “injury”.

Denominator: Demographics - Based on 2011 Census population estimates. (Statistics Canada, 2011 Census of Population)

Age and sex standardized rates (ASR):

Rates are Age-Standardized using the direct method and the 1991 Canada population as the standard population.

**Below are the ICD-10 codes used in defining injuries.**

**Injuries are defined based on the following ICD 10 codes as recorded in NACRS or CIHI/DAD**

- [S00-S09](#) 📖 Injuries to the head
- [S10-S19](#) 📖 Injuries to the neck
- [S20-S29](#) 📖 Injuries to the thorax
- [S30-S39](#) 📖 Injuries to the abdomen, lower back, lumbar spine, pelvis and external genitals
- [S40-S49](#) 📖 Injuries to the shoulder and upper arm
- [S50-S59](#) 📖 Injuries to the elbow and forearm
- [S60-S69](#) 📖 Injuries to the wrist, hand and fingers
- [S70-S79](#) 📖 Injuries to the hip and thigh
- [S80-S89](#) 📖 Injuries to the knee and lower leg
- [S90-S99](#) 📖 Injuries to the ankle and foot
- [T07-T07](#) 📖 Injuries involving multiple body regions
- [T14-T14](#) 📖 Injury of unspecified body region
- [T15-T19](#) 📖 Effects of foreign body entering through natural orifice
- [T20-T25](#) 📖 Burns and corrosions of external body surface, specified by site
- [T26-T28](#) 📖 Burns and corrosions confined to eye and internal organs
- [T30-T32](#) 📖 Burns and corrosions of multiple and unspecified body regions
- [T33-T34](#) 📖 Frostbite
- [T36-T50](#) 📖 Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances
- [T51-T65](#) 📖 Toxic effects of substances chiefly nonmedicinal as to source
- [T66-T78](#) 📖 Other and unspecified effects of external causes
- [T79-T79](#) 📖 Certain early complications of trauma
- [T80-T88](#) 📖 Complications of surgical and medical care, not elsewhere classified

**External causes of Morbidities**

- [V00-V09](#) 📖 Pedestrian injured in transport accident
- [V10-V19](#) 📖 Pedal cycle rider injured in transport accident
- [V20-V29](#) 📖 Motorcycle rider injured in transport accident
- [V30-V39](#) 📖 Occupant of three-wheeled motor vehicle injured in transport accident

- [V40-V49](#) 📖 Car occupant injured in transport accident
- [V50-V59](#) 📖 Occupant of pick-up truck or van injured in transport accident
- [V60-V69](#) 📖 Occupant of heavy transport vehicle injured in transport accident
- [V70-V79](#) 📖 Bus occupant injured in transport accident
- [V80-V89](#) 📖 Other land transport accidents
- [V90-V94](#) 📖 Water transport accidents
- [V95-V97](#) 📖 Air and space transport accidents
- [V98-V99](#) 📖 Other and unspecified transport accidents
- [W00-W19](#) 📖 Slipping, tripping, stumbling and falls
- [W20-W49](#) 📖 Exposure to inanimate mechanical forces
- [W50-W64](#) 📖 Exposure to animate mechanical forces
- [W65-W74](#) 📖 Accidental non-transport drowning and submersion
- [W85-W99](#) 📖 Exposure to electric current, radiation and extreme ambient air temperature and pressure
- [X00-X08](#) 📖 Exposure to smoke, fire and flames
- [X10-X19](#) 📖 Contact with heat and hot substances
- [X30-X39](#) 📖 Exposure to forces of nature
- [X52-X58](#) 📖 Accidental exposure to other specified factors
- [X71-X83](#) 📖 Intentional self-harm
- [X92-Y09](#) 📖 Assault
- [Y21-Y33](#) 📖 Event of undetermined intent
- [Y35-Y38](#) 📖 Legal intervention, operations of war, military operations, and terrorism
- [Y62-Y69](#) 📖 Misadventures to patients during surgical and medical care
- [Y70-Y82](#) 📖 Medical devices associated with adverse incidents in diagnostic and therapeutic use
- [Y83-Y84](#) 📖 Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
- [Y90-Y99](#) 📖 Supplementary factors related to causes of morbidity classified elsewhere

### **Background reference for this document**

We referred to the Association of Public Health Epidemiologists document available at <http://core.apheo.ca/index.php?pid=306> for background information on how to present and