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): <u>http://www.ices.on.ca/</u>

-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)

<u>Numerator</u>: 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+.



 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".

<u>Denominator</u>: 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.

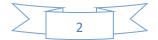
Below are the ICD-10 codes used in defining injuries.

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

