**Hospitalized Hip Fracture Event**

**Name**
Hospitalized Hip Fracture Event

**Short/Other Names**
Not applicable

**Description**
This indicator measures the age-standardized rate of new hip fractures admitted to an acute care hospital, per 100,000 population age 65 and older.

A new event is defined as a first-ever hospitalization for hip fracture or a subsequent hip fracture occurring more than 28 days after admission for the previous event in the reference period.

For further details, please see the General Methodology Notes.

**Interpretation**
Lower rates are desirable.

**HSP Framework Dimension**
Health System Outputs: Appropriate and effective

**Areas of Need**
Staying Healthy

**Geographic Coverage**
All provinces/territories

**Reporting Level/Disaggregation**
National, Province/Territory, Region, Neighbourhood Income Quintile

**Indicator Results**
http://yourhealthsystem.cihi.ca/epub/?language=en

**Identifying Information**

**Name**
Hospitalized Hip Fracture Event

**Short/Other Names**
Not applicable

**Indicator Description and Calculation**
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A new event is defined as a first-ever hospitalization for hip fracture or a subsequent hip fracture occurring more than 28 days after admission for the previous event in the reference period.

For further details, please see the General Methodology Notes.

**Calculation: Description**
(Total number of new hip fracture events for persons age 65 and older ÷ Total mid-year population age 65 and older) × 100,000 (age-adjusted)

**Unit of Analysis:** Single admission

**Calculation: Geographic Assignment**
Place of residence

**Calculation: Type of Measurement**
Rate - per 100,000

**Calculation: Adjustment Applied**
Age-adjusted

**Calculation: Method of Adjustment**
Direct Standardization

**Standard Population:**
Canada 2011

**Denominator**
Total mid-year population age 65 and older

**Numerator**
Total number of new hip fracture events for persons age 65 and older

1. Hip fracture present on admission
   - ICD-10-CA: S72.0, S72.1 or S72.2 or ICD-9/ICD-9-CM: 820.0–820.3, 820.8 or 820.9 coded as diagnosis type (1), [type (C) for Quebec data only] or type (M), (W), (X) or (Y) but not also as a diagnosis type (2)

2. Age at admission: 65 and older

3. Sex recorded as male or female

4. Admission to an acute care institution (Facility Type Code = 1)

**Exclusions:**
1. Records with an invalid health card number
2. Records with an invalid code for province issuing health card number
3. Records with an invalid admission date
Background, Interpretation and Benchmarks

Rationale

Hip fractures represent a significant health burden for seniors and for the health system. As well as causing disability or death, hip fracture may have a major effect on independence and quality of life. Measuring the occurrence of hip fractures in the population is important for planning and evaluating preventive strategies, allocating health resources and estimating costs.

Interpretation

Lower rates are desirable.

HSP Framework Dimension

Health System Outputs: Appropriate and effective

Areas of Need

Staying Healthy

Targets/Benchmarks

Not applicable

References


Availability of Data Sources and Results

Data Sources

DAD, HMDB

Available Data Years

Type of Year:

Fiscal

First Available Year:

2010

Last Available Year:

2017

Geographic Coverage

All provinces/territories

Reporting Level/Disaggregation

National, Province/Territory, Region, Neighbourhood Income Quintile

Result Updates

Every year

Update Frequency

Indicator Results

Web Tool:

Health Indicators e-Publication

URL: http://yourhealthsystem.cihi.ca/epub/?language=en

Not applicable

Quality Statement

Not applicable

Caveats and Limitations

Not applicable

Trending Issues

Not applicable

This indicator includes all new hospitalized hip fractures in the reference period, encompassing first-ever and recurrent events.

A person may have more than one hip fracture event in the reference period.

Comments

Hip fractures not admitted to an acute care hospital and in-hospital hip fractures are not included in this indicator.

Hip fractures occurring in a hospital are reported separately in the In-Hospital Hip Fracture indicator.