

# Rate of hospitalization for Ambulatory Care Sensitive Conditions (ACSCs)

## Alternate Name\*

Hospitalization rate for conditions that can be managed outside hospital

## INDICATOR DESCRIPTION

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### Description\*

This indicator measures the rate of hospitalization, per 100,000 people aged 0 to 74 years, for one of the following conditions that, if effectively managed or treated earlier, may not have resulted in admission to hospital: asthma, diabetes, chronic obstructive pulmonary disease, heart failure, hypertension, angina and epilepsy. A lower rate is better.

### Indicator Status\*

Active

### HQO Reporting tool/product

Public reporting

### Dimension\*

Efficient

### Type\*

Outcome

## DEFINITION AND SOURCE INFORMATION

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### Unit of Measurement\*

Rate per 100,000 people

### Calculation Methods\*

This indicator is calculated as the numerator divided by the denominator per 100,000 population

### Numerator including inclusion/exclusion\*

The number of inpatient records from acute care hospitals during each fiscal year with any ambulatory care sensitive condition (ACSC) as the most responsible diagnosis.

*Inclusions:*

Hospitalization with most responsible diagnosis (DXTYPE=M) code of:

- Asthma: J45;
- Congestive heart failure and pulmonary edema: I50, J81; excluding cases with CCI codes for cardiac surgical procedures (see below);
- Diabetes: E10.0, E10.1, E10.63, E10.64, E10.9, E11.0, E11.1, E11.63, E11.9, E13.0, E13.1, E13.63, E13.9, E14.0, E14.1, E14.63, E14.9, E11.64, E13.64, E14.64;
- Chronic obstructive pulmonary disease: J41 to J44, J47 or J10.0, J11.0, J12-J16, J18, J20, J21, J22 when J44 is also present as a secondary diagnosis;
- Grand mal status and other epileptic convulsions: G40, G41;
- Hypertension: I10.0, I10.1, I11; excluding cases with CCI codes for cardiac surgical procedures (see below);
- Angina: I20, I23.82, I24.0, I24.8, I24.9, excluding cases with CCI codes for cardiac surgical procedures (see below);

Cardiac surgical procedures for exclusion: J1HA58, 1HA80, 1HA87, 1HB53, 1HB54, 1HB55, 1HB87, 1HD53, 1HD54, 1HD55, 1HH59, 1HH71, 1HJ76, 1HJ82, 1HM57, 1HM78, 1HM80, 1HN71, 1HN80, 1HN87, 1HP76, 1HP78, 1HP80, 1HP82, 1HP83, 1HP87, 1HR71, 1HR80, 1HR84, 1HR87, 1HS80, 1HS90, 1HT80, 1HT89, 1HT90, 1HU80, 1HU90, 1HV80, 1HV90, 1HW78, 1HW79, 1HX71, 1HX78, 1HX79, 1HX80, 1HX83, 1HX86, 1HX87, 1HY85, 1HZ53 rubric (except 1HZ53LAKP), 1HZ55 rubric (except 1HZ55LAKP), 1HZ56, 1HZ57, 1HZ59, 1HZ80, 1HZ85, 1HZ87, 1IF83, 1IJ50, 1IJ55, 1IJ57, 1IJ76, 1IJ86, 1IJ80, 1IK57, 1IK80, 1IK87, 1IN84, 1LA84, 1LC84, 1LD84, 1YY54LANJ.

*Exclusions:*

1. Death before discharge.
2. Patients sign themselves out.
3. Transfers from another acute care facility.
4. Patients aged 75 and older.

### Denominator including inclusion/exclusion\*

The number of people in Ontario aged 0 to 74 years.

*Exclusions:*

1. Birthdate after April 1st of given fiscal year.
2. Death date before April 1st of given fiscal year.
3. Missing sex.
4. Non-Ontario resident (April 1st of given fiscal year).
5. Age less than 0 or greater than 74 (April 1st of given fiscal year).
6. Not eligible for OHIP (April 1st of given fiscal year).

### Adjustment (risk, age/sex standardization)- detailed

Direct age-sex standardized rate using the 2011 Canadian population

### Data Source

Registered Persons Database (RPDB)

Discharge Abstract Database (DAD)

### Data provided to HQO by

Institute for Clinical Evaluative Sciences (ICES)

## Reported Levels of comparability /stratifications (defined)

Time

Institution

Income

Rurality

Region

## OTHER RELEVANT INFORMATION

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### Caveats and Limitations

This indicator is affected by the health status of the population, since a healthier population will have fewer hospitalizations overall. For example, a population with fewer smokers is likely to have fewer people with lung disease that may require hospitalization.

## TAGS

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### TAGS\*

Primary Care

Outcome

Access

Chronic Disease

Integration

Efficient

Registered Persons Database (RPDB)

Discharge Abstract Database (DAD)

## PUBLISH

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### PUBLISH DATETIME\*

20/11/2018 15:14:00