Renal replacement therapy for diabetics

Resource for Indicator Standards (RIS)
Health Analytics Branch, Ministry of Health and Long-Term Care

Indicator description

RIS indicator name

Renal replacement therapy for diabetics

Other names for this indicator

• Renal replacement therapy rates

Indicator description

Age-adjusted rate for people age 18 and older with diabetes who receive renal replacement therapy (renal dialysis or kidney transplant) per 100,000 population with diabetes.

Accountability agreement(s) the indicator supports

N/A

Numerator

Data source

FY2008/09 and up:

• Baseline Diabetes Dataset Initiative (BDDI), Ministry of Health and Long Term Care (MOHLTC)
• Discharge Abstract Database (DAD), Canadian Institute for Health Information (CIHI)

FY2002/03 – 2007/08:

• Ontario Diabetes Database (ODD), Institute for Clinical Evaluative Sciences (ICES)
Inclusion/exclusion criteria

Includes:
1. Dialysis:
   • OHIP fee codes: R849, R850, G323, G325, G326, G860, G862, G863, G865, G866, G330, G331, G332, G861, G864, G082, G083, G085, G090, G091, G092, G093, G094, G095, G096, G294, G295, G333;
   • Discharge Abstract Database (DAD) and National Ambulatory Care Reporting System (NACRS) Classification of Health Interventions (CCI): 1PZ21HQBR, 1PZ21HPD4.
2. Kidney transplant:
   • DAD & NACRS CCI: 1PC85LAXXJ, 1PC85LAXXK;
   • Individuals age 18 and older;
   • Ontario residents with diabetes (type I or type II) as of the first day of the fiscal year and who have a valid health card number.

Excludes:
1. Individuals with gestational diabetes.

Calculation

Number of people with diabetes, age 18 and older receiving dialysis, added to the number of people who received kidney transplant during a fiscal year*.

Denominator

Data source
FY2008/09 and up:
• BDDI, MOHLTC
FY2002/03 – 2007/08:
• ODD, ICES

Inclusion/exclusion criteria

Includes:
1. Individuals age 18 and older;
2. Ontario residents with diabetes (type I and type II) as of the first day of the fiscal year and who have a valid health card number.

Excludes:
1. Individuals with gestational diabetes.

Calculation
Total number of people with diabetes, age 18 and older as of the first day of the fiscal year*.
Timing and geography

Timing/frequency of release
How often and when data are being released (e.g., be as specific as possible…data are released annually in mid-May)

Data are released annually.

Trending
Years available for trending
Data are available as of 2002. (Data from 2008/09 and up are available from Health Analytics Branch, MOHLTC. Historical data from 2002/03 to 2007/08 are available from ICES).

Levels of comparability
Levels of geography for comparison
Data are available at the Local Health Integration Network (LHIN) level (i.e. LHIN of patient residence).

Additional information

Limitations
Specific limitations
The number of diabetes patients receiving chronic dialysis may be underestimated. Some patients receiving treatment outside the province or from providers in an alternate funding plan may be missed.

Comments
Additional information regarding the calculation, interpretation, data source, etc.
The BDDI was created by the MOHLTC using a validated algorithm to identify Ontario residents with diabetes aged 18 and older. The algorithm uses physician claims and hospital data to identify potential diabetes patients. Individuals are identified as having diabetes if they have had at least two diabetes OHIP diagnostic code over a two-year period OR at least one hospital record or at least one OHIP diabetes management service record. Women with gestational diabetes are excluded. The BDDI does not differentiate between type I or type II diabetes. Prevalence numbers from the MOHLTC BDDI are not the same as those previously reported by e-health BDDI, or those by the ICES Ontario Diabetes Database (ODD). This is due to slight differences in methodology.
References

Provide URLs of any key references (e.g., Diabetes in Canada, HTTP:// …)


Contact information

For more information about this indicator, please contact RIS@ontario.ca.

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2012-01-17

Date archived (YYYY-MM-DD)

2013-04-05

Archive comments

Ontario Diabetes Strategy report no longer published.