

Diabetes Detection

Basic Facts

Stage of development

Implemented

Potential or current usage

This measure has been part of the PHO Performance Programme's National Indicator Set since 1 July 2008 and is used to determine what proportion of the population estimated to have Diabetes have been diagnosed.

Brief overview of the measure

General description

This measure focuses on what proportion of the population estimated to have Diabetes have been diagnosed.

Rationale for selection

Diabetes presents a serious health challenge for New Zealand. It is a significant cause of ill health and premature death. Diabetes affects about 200,000 people in New Zealand but only half of these people have been diagnosed. Identifying people with Diabetes is important to enable the regular recall and review of all people who have Diabetes. This measure focuses on both Type 1 and Type 2 Diabetes.

Domain(s) of quality

Effectiveness, Efficiency

Application and interpretation of the measure

Stated intent of the measure

Ensuring people with Diabetes are diagnosed.

Caveats - Considerations

Estimations of people expected to have Diabetes are calculated by considering the ages, genders and ethnicities of PHO populations and applying diabetes rates from the National Diabetes Prevalence Data Model. When applying this model to small populations there may be inaccuracies. Currently the National Diabetes Prevalence Data Model appears to be underestimating the number of people with diabetes in many regions, and hence some PHOs are achieving a diabetes detection rate of greater than 100%. Revised prevalence estimates were introduced in 2010. This makes comparison with previous periods difficult. In future, historic

performance will be recalculated to reflect performance against the current prevalence estimates and provide an accurate representation of progress in improving diabetes detection.

Links to other measures

DB-RV01

Level of health care delivery/setting

This measure is currently reported by the PHO Performance Programme to PHO level although use of this measure to monitor practice and patient level performance is also possible.

Target population

All people aged 15 to 79 years All people aged 15 to 79 years who are within the high need population (identified as Māori, Pacific Island and/or Decile 9 or 10)

Stratification by vulnerable populations

The PHO Performance Programme currently uses this measure to monitor at both a total PHO enrolled population level (all PHO enrolled eligible patients) and a high need PHO enrolled population level (whereby high need is identified as Māori, Pacific Island and/or Decile 9 or 10)

Associated incentives

This measure is currently funded through the PHO Performance Programme both at a total population level and a high need level.

Calculation of the measure

Output of calculation

Percentage of eligible patients enrolled in a PHO that have diagnosed diabetes.

Numerator description

Number of enrolled people within the eligible population coded with diabetes.

Denominator description

Number of enrolled people in the PHO who would be expected to have diagnosed diabetes using the Diabetes Prevalence Estimate Data.

Criteria/standard for optimal performance

Every practice within a PHO should have a process in place for identifying and coding patients diagnosed with diabetes. The PHO Performance Programme goal is: 90% or more of the PHO's population estimated to have Diabetes have been identified and coded.

Data source

PHO Clinical Performance Indicator Report and Diabetes Prevalence Estimate Data provided by the Ministry of Health.

Method of extraction

The link below will take you to the document that defines how the measure is calculated - see 'Diabetes Detection' section of the Indicator Definitions for PHOs document. <http://www.dhbnz.org.nz/Site/SIG/pho/Operational-Documents.aspx>

Appraisal of the measure

Development approach

This measure was developed by the PHO Performance Programme which consists of:

- [Advisory Group](#); and
- [Governance Group](#); and
- a support team.

Other items

Owner details

Reference number

814

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