

IDENTIFYING INFORMATION	
Name:	Diabetes screening
Short/Other Names:	n/a
BACKGROUND, INTERPRETATION AND BENCHMARKS	
Description:	The percentage of non-diabetic patients in the physician panel who completed a diabetes screening test.
Rationale:	Diabetes is a health problem that imposes significant burden on the population and health system. It is expected that treatment after early detection will yield benefits superior to those obtained when treatment is delayed. Thus, providing asymptomatic screening information to physicians will encourage them to screen individuals who are likely to have diabetes. The presentation of screening rates might also serve to motivate active screening practices (i.e., encourage physicians to take more direct steps in screening patients).
Interpretation:	A higher rate implies more eligible patients in a zone or PCN have been screened.
Target/Benchmark:	No benchmarks have been identified.
INDICATOR CALCULATION	
Calculation:	<p>Screening rate =</p> $\left(\frac{\text{Number of eligible patients with a diabetes screening test}}{\text{Total number of eligible patients in zone or PCN}} \right) \times 100$ <p>Type of Measure: Percentage</p> <p>Adjustment Applied: None</p>
Denominator:	<p>Description</p> <p>The number of eligible patients in a zone or PCN.</p> <p>Inclusion Criteria</p> <ul style="list-style-type: none"> Patients 40 years or older. For PCN-level data, patients assigned to the PCN by the HQCA algorithm. <p>Exclusions</p> <ul style="list-style-type: none"> Patients aged younger than 40 years. Diabetic patients identified in the episode specific disease category (EDC) aggregate groups in the HQCA's dynamic proxy disease registry.

Numerator:	<p>Description</p> <p>An eligible patient is an asymptomatic patient screened for diabetes. A patient is eligible if they meet the inclusion criteria outlined below.</p> <p>Inclusion Criteria</p> <ul style="list-style-type: none"> Patients 40 years or older. <p>Diabetes screening is identified by the following lab test codes, and ICD-9 or ICD-10 diagnostic codes:</p> <p>Lab test codes [Order Test Code]:</p> <ul style="list-style-type: none"> HBA1C (Hemoglobin A1c). GLUF (Glucose fasting). <p>ICD-9 or ICD-10 diagnostic codes:</p> <ul style="list-style-type: none"> V77.1 (Screening for Diabetes Mellitus). Z13.1 (Encounter for Screening for Diabetes Mellitus). <p>Exclusions</p> <ul style="list-style-type: none"> Diabetic patients identified in the episode specific disease category (EDC) aggregate groups in the HQCA's dynamic proxy disease registry. Patients aged younger than 40 years.
DATA DETAILS	
Data Sources:	Alberta Health Physician Claims Alberta Health Care Insurance Plan (AHCIP) Registry Alberta Breast Cancer Screening Program (ABCSP) Data
Available Data Years:	<p>Type of Year: Fiscal year [starts April 1, ends March 31]</p> <p>First Available Year: 2014/15</p> <p>Last Available Year: 2018/19</p>
Geographic Coverage:	The province of Alberta excluding the military and prisoners.
Reporting Levels:	Zone, PCN

QUALITY STATEMENT	
Limitations and Technical Notes:	<ul style="list-style-type: none"> ▪ PCN assignment is based on which physician a patient is assigned to by the HQCA algorithm. ▪ Not all physicians belong to a PCN; as a result not all patients are assigned to PCNs. ▪ All calculations include only patients who are currently listed as 'Active' in the Alberta Health Care Insurance Plan (AHCIP) Registry database. This may lead to underestimation of the calculated measure above. ▪ Only Alberta data is available. As such, any visits by Alberta patients to labs or facilities outside of the province are not included.