

<b>IDENTIFYING INFORMATION</b>	
<b>Name:</b>	<b>Influenza vaccination rates for selected high risk groups</b>
<b>Short/Other Names:</b>	n/a
<b>BACKGROUND, INTERPRETATION AND BENCHMARKS</b>	
<b>Description:</b>	<p>The percentage of Albertans in groups that are high risk of complications from influenza who received the influenza vaccine. High risk groups include:</p> <ul style="list-style-type: none"> <li>▪ Children under 6 years of age</li> <li>▪ Seniors (65 years of age and older)</li> <li>▪ Persons living with chronic obstructive pulmonary disease (COPD)</li> <li>▪ Persons living with asthma</li> </ul>
<b>Rationale:</b>	<p>Influenza immunization has many benefits to the patient including but not limited to:</p> <ul style="list-style-type: none"> <li>▪ reduces the risk of flu-related hospitalizations</li> <li>▪ acts as an important preventive tool for patients with chronic health conditions</li> <li>▪ helps protect women during and after pregnancy</li> </ul>
<b>Interpretation:</b>	A higher rate implies more eligible patients have been immunized.
<b>Target/Benchmark:</b>	No benchmarks have been identified.
<b>INDICATOR CALCULATION</b>	
<b>Calculation:</b>	<p>Vaccination rate =</p> $\left( \frac{\text{Number of persons immunized against influenza}}{\text{Total number of Albertans in zone or PCN}} \right) \times 100$ <p><b>Type of Measure:</b> Percentage <b>Adjustment Applied:</b> None</p>

<b>Denominator:</b>	<p><b>Description</b></p> <p>The number of Albertans in a zone or PCN.</p> <p><b>Inclusion Criteria</b></p> <ul style="list-style-type: none"> <li>▪ For PCN-level data, patients assigned to the PCN by the HQA algorithm.</li> </ul> <p><b>Exclusions</b></p> <ul style="list-style-type: none"> <li>▪ None</li> </ul>
<b>Numerator:</b>	<p><b>Description</b></p> <p>The total number of Albertans that received a flu (influenza) vaccine from a physician, pharmacist or Alberta Health Services public health.</p> <p><b>Inclusion Criteria</b></p> <ul style="list-style-type: none"> <li>▪ Albertans with influenza immunization records.</li> </ul> <p><b>Exclusions</b></p> <ul style="list-style-type: none"> <li>▪ None</li> </ul>
<b>DATA DETAILS</b>	
<b>Data Sources:</b>	<p>Alberta Health Physician claims</p> <p>Alberta Health Care Insurance Plan (AHCIP) Registry</p> <p>Alberta Immunization Registry</p>
<b>Available Data Years:</b>	<p><b>Type of Year:</b> Fiscal year [starts April 1, ends March 31]</p> <p><b>First Available Year:</b> 2018/19</p> <p><b>Last Available Year:</b> 2022/23</p>
<b>Geographic Coverage:</b>	<p>The province of Alberta excluding the military and prisoners.</p>
<b>Reporting Levels:</b>	<p>Zone, PCN</p>

## Quality Statement

### Limitations and Technical Notes:

- PCN assignment is based on which physician a patient is assigned to by the HQA 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.
- Immunizations given by other practitioners is not included as individual data is not provided.
- Only Alberta data is available. As such, any visits by Alberta patients to facilities outside of the province are not included.