

Colorectal Cancer Screening Participation Rate	
Full data definition sign-off complete.	
Name of Measure	Compliance with screening guidelines for colorectal cancer
Name of Measure (short)	Colorectal Cancer Screening Participation Rate
Definition	Percentage of population between the ages of 50 and 74 who are up to date for colorectal cancer screening.
Domain	Health Services Delivery
Dimension	Appropriateness
Type of Measure	Process Measure
Business Context	AHS Quality & Patient Safety Dashboard The Quality and Patient Safety Committee of the Board requested the development of a Quality and Patient Safety Dashboard to enable the monitoring of the quality of services provided by Alberta Health Services (AHS).
Rationale	Colorectal cancer is the second most frequent cause of death from cancer in Alberta, and early diagnosis and treatment significantly reduces the rate of mortality from this cancer. Screening can also reduce the incidence of colorectal cancer. AHS Targets: 2008 Alberta baseline rate (CCHS): 36% of people in target age group are up to date for colorectal cancer screening. 2015 – 55% of people in target age group are up to date for colorectal cancer screening. 2020 – 67% of people in target age group are up to date for colorectal cancer screening.
Notes for Interpretation	As with other population surveys, CCHS provides cross-sectional data with self-reported and recalled information. Some results may be affected by social desirability and recall bias. Other inherent data quality issues from survey methodology may exist as well. Once the provincial colorectal cancer screening database is established, it can be used to validate the survey results. This module is part of the optional CCHS content.
Organizational Strategy	<ul style="list-style-type: none"> Actively engage patients and families as partners in system improvements. Develop and implement strategy to improve participation of the target population in colorectal cancer screening.
Benchmark Comparisons	National or International comparisons available: Alberta 2008 baseline rate (CCHS): Colorectal Cancer Screening - 2010, Cancer Control Spotlight, Canadian Partnership Against Cancer, http://www.cancerview.ca/idc/groups/public/documents/webcontent/rl_cancer_1crscreen.pdf Canada: http://www.colorectal-cancer.ca/ United States: http://appliedresearch.cancer.gov/icsn/

Colorectal Cancer Screening Participation Rate (*continued*)

**Cited
References:**

Colorectal Cancer Screening - 2010, Cancer Control Spotlight, Canadian Partnership Against Cancer,
http://www.cancerview.ca/idc/groups/public/documents/webcontent/rl_cancer_1crcscreen.pdf

Mandel JS, Church TR, Ederer F et al. Colorectal cancer mortality: effectiveness of biennial screening for fecal occult blood. *J Natl Cancer Inst.* 1999;91(5): 434–437.

Jorgensen OD, Kronborg O, Fenger C. A randomized study of screening for colorectal cancer using faecal occult blood testing: results after 13 years and seven biennial screening rounds. *Gut.* 2002;50:29–32.

Hewitson P, Glasziou P, Watson E et al. Cochrane systematic review of colorectal cancer screening using the fecal occult blood test: An update. *Am J Gastroenterol.* 2008;103:1541–1549.

Colorectal Cancer Screening Participation Rate (<i>continued</i>)	
Technical Specifications	
Metric	Percent
Preferred Display Format	Rates are displayed with one decimal point.
Numerator	The weighted number of survey participants from the target population (people aged 50-74 and defined in the denominator) who are up to date for colorectal cancer screening. ("Up to date" is defined as those who have had at least one of the following screening tests: a FOBT test within 2 years, a flexible sigmoidoscopy within 5 years or a colonoscopy within 10 years.)
Inclusion Criteria for Numerator	Male and Female, aged 50-74, lives in Alberta at time of answering the survey, who have had at least one of the following screening tests: a FOBT test within 2 years, a flexible sigmoidoscopy within 5 years or a colonoscopy within 10 years.
Exclusion Criteria for Numerator	Canadian Community Health Survey excludes populations on Indian Reserves, Canadian Forces Bases, and some remote areas. Once the provincial colorectal cancer screening program database becomes the primary data source, diagnostic tests will be excluded as they are not part of the screening process.
Data Source(s) for Numerator	Canadian Community Health Survey (CCHS), and Statistics Canada The provincial colorectal cancer screening program database will become the primary data source once it is established. Colon Cancer Screening in Canada Survey by Canadian Partnership Against Cancer (CPAC)
Refresh Rate of Numerator	CCHS data collection occurs every year since 2007; it occurred every two years prior to 2007 Once the provincial colorectal cancer screening program database becomes the primary data source, data will be updated in real-time.
Denominator	The weighted number of survey participants between ages of 50 and 74.
Inclusion Criteria for Denominator	Male and Female, aged 50 – 74, lives in Alberta at time of answering the survey; Once the provincial colorectal cancer screening program database becomes the primary data source, Alberta Health Person Directory (PD) data that is received by the program will be used
Exclusion Criteria for Denominator	Canadian Community Health Survey excludes populations on Indian Reserves, Canadian Forces Bases, and some remote areas.

Colorectal Cancer Screening Participation Rate (<i>continued</i>)	
Data Source(s) for Denominator	<p>Canadian Community Health Survey (CCHS), and Statistics Canada;</p> <p>The provincial colorectal cancer screening program database containing Person Directory (PD) data will become the primary data source for the denominator calculation once it is established.</p> <p>Colon Cancer Screening in Canada Survey by Canadian Partnership Against Cancer (CPAC)</p>
Refresh Rate of Denominator	<p>CCHS data collection occurs every year since 2007; it occurred every two years prior to 2007</p> <p>Once the provincial colorectal cancer screening program database becomes the primary data sources, the denominator data will be updated weekly.</p>
Technical Notes	<p>The first CCHS that included questions on colorectal cancer screening in Alberta was conducted in 2008.</p>
Calculation	<p>The weighted number of survey participants 50-74 who are up to date for colorectal cancer screening $\times 100$</p> <p>The weighted number of survey participants 50-74</p>
Relationship to Other Indicators	<p>Retention Rate, Positivity Rate, Diagnostic Follow-up Completion Rate, Invasive Cancer Detection Rate (These indicators are not included currently but may be in the future)</p>
Level of Reporting	<p>Provincial , Zone</p>
Frequency of Reporting	<p>Annually – depending on CCHS data availability at time of reporting.</p> <p>In the event that CCHS data is not available for a reporting period, the most recent survey results from the following sources will be used, as the survey questions related to colorectal cancer screening participation from these sources are similar with CCHS:</p> <ol style="list-style-type: none"> 1) Screening Programs, AHS plan to conduct surveys every two-three years (the last survey was conducted in early 2008); 2) Canadian Partnership Against Cancer is expected to conduct similar national surveys periodically (the first one was completed in April, 2009).
Limitations	<p>With the sample size used in CCHS survey the rates can be reported at provincial level.</p> <p>Public reporting of the results for the measure will be consistent with Statistics Canada disclosure guidelines.</p>

Colorectal Cancer Screening Participation Rate *(continued)*

Document Version History

Version	Version Date	Summary of Changes
1.0	May 18, 2010	Final version for initial use.
	May 31, 2010	Transfer to final approved version.
1.1	June 4, 2010	Contents for first draft
	June 5, 2010	Changed title reflect Consolidated Dashboard measurement name. Reviewed and modified formatting.
	June 7, 2010	Final copy for Consolidated Report.
	June 30, 2010	Add approval statement.
	August 11, 2010	Revise title and short name.
1.2	December 23, 2010	Revise based on AHS and AB Health joint review.
1.3	January 5, 2011	Revise Business Context
2.0	January 13, 2011	Version ready for signoff.
2.1	May 3, 2011	Full data definition signoff completed.
2.2	February 16, 2012	Updated AB Health Signatories
2.3	May 7, 2012	Updated Domain, Added Dimension, Titles of Contacts/Signatories
2.4	June 15, 2012	Updated naming convention, logo and signatories based on organizational changes
2.5	December 12, 2012	Revisions based on discussion between AHS and Ministry SME's
2.6	December 13, 2012	Update AHS Lead Analyst contact. Remove old approval statement, update AHS signoff page.
3.0	December 20, 2012	Version ready for signoff
3.1	January 7, 2013	Update AHS Executive Lead/Sponsor
3.2	February 11, 2013	Update of AHS Operational Owner
3.3	February 15, 2013	Full data definition signoff completed.