

National Bowel Cancer Screening Program: PI 05b- Positive predictive value of diagnostic assessment for detecting adenoma

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National Bowel Cancer Screening Program: PI 05b- Positive predictive value of diagnostic assessment for detecting adenoma

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	National Bowel Cancer Screening Program positive predictive value of diagnostic assessment for detecting adenoma
Synonymous names:	NBCSP positive predictive value of diagnostic assessment for detecting adenoma
METEOR identifier:	694174
Registration status:	Health , Standard 06/09/2018
Description:	The proportion of people who returned a positive National Bowel Cancer Screening Program (NBCSP) screening test that underwent a diagnostic assessment and were diagnosed with an adenoma, measured 12 months after the defined period.
Rationale:	<p>The NBCSP aims to maximise the early detection of colorectal cancer in the target population. Adenomas are benign growths that have the potential to become cancerous, and their removal is likely to lower the risk of future colorectal cancer in these patients.</p> <p>This indicator calculates the positive predictive value of follow-up assessment for detecting adenomas. This is a measure of the quality and effectiveness of diagnostic assessment for detecting serious colorectal abnormality.</p> <p>Monitoring the positive predictive value of diagnostic assessment for detecting adenoma by various stratifications may also reveal emerging positive or negative trends that need to be investigated and rectified if necessary.</p> <p>To reduce the effect of any lag time between invitation, positive screen, diagnostic assessment and histopathology, this indicator includes all those who underwent diagnostic assessment in the defined period, not all those invited in the defined period (who had undergone diagnostic assessment).</p>
Indicator set:	National Bowel Cancer Screening Program performance indicators 2019– Health , Standard 06/09/2018

Collection and usage attributes

Computation:	100 x (Numerator ÷ Denominator)						
Numerator:	The number of people who returned a positive NBCSP screening test that underwent a diagnostic assessment and were diagnosed with an adenoma within a defined 12-month period or the following 12 months.						
Numerator data elements:	<table border="1"><tr><td>Data Element / Data Set</td></tr><tr><td>Person—person identifier, X[X(19)]</td></tr><tr><td>Data Source</td></tr><tr><td>National Bowel Cancer Screening Program (NBCSP)</td></tr><tr><td>NMDS / DSS</td></tr><tr><td>National Bowel Cancer Screening Program NBEDS 2018–19</td></tr></table>	Data Element / Data Set	Person—person identifier, X[X(19)]	Data Source	National Bowel Cancer Screening Program (NBCSP)	NMDS / DSS	National Bowel Cancer Screening Program NBEDS 2018–19
Data Element / Data Set							
Person—person identifier, X[X(19)]							
Data Source							
National Bowel Cancer Screening Program (NBCSP)							
NMDS / DSS							
National Bowel Cancer Screening Program NBEDS 2018–19							

[Person—cancer screening test result, bowel cancer code N\[A\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—cancer diagnostic assessment date, DDMMYYYY](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—colorectal polyps found in colon indicator, yes/no code N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—colorectal polyp type, code N\[N\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Denominator:

The number of people who underwent diagnostic assessment to follow up a positive screening test in the [defined 12-month period](#) and had available diagnostic information.

Denominator data elements:

Data Element / Data Set

[Person—person identifier, X\[X\(19\)\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—cancer screening test result, bowel cancer code N\[A\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—cancer diagnostic assessment type, bowel cancer code N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—cancer diagnostic assessment date, DDMMYYYY](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Disaggregation:

Items will be presented by sex and age group, by:

- State and territory
- Socioeconomic status
- Remoteness area
- Indigenous status
- Main language spoken at home
- Disability status
- Disease screening invitation round
- Diagnostic assessment type
- Patient election status
- Colorectal polyp(s) type

Some disaggregation may result in numbers too small for publication.

Disaggregation data elements:

Data Element / Data Set

[Person—Australian state/territory identifier, code N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—disability status, yes/no/not stated/inadequately described code N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—geographic remoteness, classification \(ASGS-RA\) N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—age, total years N\[NN\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—screening round number, identifier N\[N\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—colorectal polyp type, code N\[N\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Patient—election status, code N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—sex, code X](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—main language other than English spoken at home, code \(ASCL 2016\) N\[NNN\]](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Data Element / Data Set

[Person—area of usual residence, statistical area level 1 \(SA1\) code \(ASGS 2016\) N\(11\)](#)

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2018–19](#)

Representational attributes

Representation class: Percentage
Data type: Real
Unit of measure: Person
Format: N[N].N

Data source attributes

Data sources:

Data Source

[National Bowel Cancer Screening Program \(NBCSP\)](#)

Frequency

6-monthly (register snapshot)

Data custodian

Prior to 1 November 2019, Medicare Australia (Medicare Australia merged with the Department of Human Services in 2011). From 1 November 2019, the Department of Health and Aged Care.

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Relational attributes

**Related metadata
references:**

Supersedes [National Bowel Cancer Screening Program: PI 05b-Positive predictive value of diagnostic assessment for detecting adenoma Health](#), Superseded 06/09/2018