

National Bowel Cancer Screening Program: PI 06a- Colorectal cancer detection rate

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National Bowel Cancer Screening Program: PI 06a-Colorectal cancer detection rate

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	National Bowel Cancer Screening Program colorectal cancer detection rate
Synonymous names:	NBCSP colorectal cancer detection rate
METEOR identifier:	694176
Registration status:	Health , Standard 06/09/2018
Description:	<p>The proportion of people who returned a valid National Bowel Cancer Screening Program (NBCSP) screening test in a defined 12-month period and were diagnosed with a screen-detected colorectal cancer, measured 12 months after the defined period.</p>
Rationale:	<p>The NBCSP aims to maximise the early detection of colorectal cancer in the target population.</p> <p>This can be achieved by detecting cases of colorectal cancer before a person has symptoms, enabling early intervention. The cancer detection rate is a key indicator of program effectiveness, especially when comparing this rate to the known colorectal cancer incidence rate in the target population. Monitoring the cancer detection rate 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 screened in the defined period, not all those invited in the defined period (who had a positive screen).</p>
Indicator set:	National Bowel Cancer Screening Program performance indicators 2019– Health , Standard 06/09/2018

Collection and usage attributes

Computation:	10,000 x (Numerator ÷ Denominator)
Numerator:	The number of people who returned a valid NBCSP screening test in a defined 12-month period who were diagnosed with a screen-detected colorectal cancer within the defined period or the following 12 months.

Numerator data elements:

Data Element / Data Set

[Patient—cancer 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—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—disease screening test completion status, bowel screening 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—disease screening test results sent date, DDMMYYYY](#)

Data Source

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

NMDS / DSS

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

Denominator:

The number of people who returned a valid screening test for analysis in a [defined 12-month period](#).

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—disease screening test completion status, bowel screening 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—disease screening test results sent 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

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—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—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 06a-Colorectal cancer
detection rate](#)
[Health](#), Superseded 06/09/2018