National Bowel Cancer Screening Program: PI 06b-Positive predictive value of diagnostic assessment for detecting colorectal cancer

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National Bowel Cancer Screening Program: PI 06b-Positive predictive value of diagnostic assessment for detecting colorectal cancer

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 colorectal cancer
Synonymous names:	NBCSP positive predictive value of diagnostic assessment for detecting colorectal cancer
METEOR identifier:	694179
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 cancer, measured 12 months after the defined period.
Rationale:	This indicator calculates the positive predictive value of follow-up assessment for detecting cancers. This is a measure of the quality and effectiveness of diagnostic assessment.

The NBCSP aims to maximise the early detection of colorectal cancer in the target population.

This can be achieved by detecting cases of colorectal cancer before a person has symptoms, enabling early intervention.

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.

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).

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 had a diagnostic assessment and were diagnosed with screen-detected cancer in a **defined 12-month 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

Patient—diagnosis date of cancer, DDMMYYYY

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—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

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

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┌─ **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

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┌─ **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

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┌─ **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

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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

Medicare Australia (Medicare Australia merged with the Department of Human Services in 2011)

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Relational attributes

Related metadata references:

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Program: PI 06b-Positive predictive value of diagnostic assessment for detecting colorectal cancer Health!](#), Superseded 06/09/2018