

National Bowel Cancer Screening Program: PI 07- Interval cancer rate

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National Bowel Cancer Screening Program: PI 07-Interval cancer rate

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	National Bowel Cancer Screening Program interval cancer rate
Synonymous names:	NBCSP interval cancer rate
METEOR identifier:	694181
Registration status:	Health! , Standard 06/09/2018
Description:	The proportion of people who returned a National Bowel Cancer Screening Program (NBCSP) screening test in a defined 12-month period who were diagnosed with colorectal cancer (not involving a positive NBCSP screen and positive assessment) in the following 24-month period, or before their next screen, whichever comes first.
Rationale:	<p>An interval cancer is a colorectal cancer that is diagnosed after a screen that detected no cancer and before the next screen or in the following 24 months, whichever is earlier. Interval cancers are inevitable in a population based screening program; a low interval cancer rate is desirable.</p> <p>A high interval cancer rate reduces the potential for the program to achieve reductions in morbidity and mortality from colorectal cancer. Monitoring interval cancer rates is also important to assess the diagnostic assessment component of the screening pathway.</p> <p>Monitoring the interval cancer rate by various stratifications may also reveal emerging positive or negative trends that need to be investigated and rectified if necessary.</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 an NBCSP screening test in a defined 12-month period who were diagnosed with colorectal cancer in the following 24 months (or before their next screen), after negative or inconclusive screen(s), or a positive screen and negative assessment(s).

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—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](#)

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

[Person—cancer diagnostic assessment indicator, yes/no code 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 returned a negative screening test or a positive screening test with a negative diagnostic assessment in the **defined 12-month period**.

Data Element / Data Set

Denominator data elements:

[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](#)

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

[Person—cancer diagnostic assessment abnormal result, yes/no code N](#)

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
- Screening test type
- Screening test result
- Colorectal polyp(s) found indicator

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—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](#)

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

[Person—cancer screening test 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

[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—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

[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](#)

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 07-Interval cancer rate Health!](#), Superseded 06/09/2018