

National Bowel Cancer Screening Program: PI 01- Participation rate

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National Bowel Cancer Screening Program: PI 01- Participation rate

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	National Bowel Cancer Screening Program participation rate
Synonymous names:	NBCSP participation rate
METEOR identifier:	694155
Registration status:	Health! , Standard 06/09/2018
Description:	<p>The proportion of people invited to screen through the National Bowel Cancer Screening Program (NBCSP) in a 24-month period who returned a completed screening test within the defined 24-month period or the following 6 months.</p>
Rationale:	<p>The participation rate is a key indicator that measures the proportion of those invited who participate in the program. Without participation, the NBCSP cannot achieve early detection. The program should therefore monitor participation to ensure acceptability, equity and uptake with the aim that reductions in incidence, morbidity and mortality can be achieved.</p> <p>Participation is the number of people screened, not the number of tests completed and is divided by the number of people invited.</p> <p>The indicator reporting period is 24 months due to the rescreening interval and results in a 'rolling' rate, i.e. a particular year would be included in two annual reports. This is consistent with other cancer screening program reporting.</p> <p>National Health and Medical Research Council (NHMRC) guidelines recommend a two-yearly screening interval for colorectal cancer screening in Australia (ACN 2017), and a rollout for this is currently underway. Accordingly, this participation indicator counts participation activity over a 24-month period and uses a 6-month follow-up period to ensure those invited have had time to respond.</p> <p>Although it would be ideal to adjust for people who do not screen because they participate in other forms of screening or surveillance, this is not currently possible due to restrictions in the data available. However, people who opt off or suspend from the Program without completing the test will not be counted.</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 invited to screen through the NBCSP in a 24-month period who returned a completed screening test within the defined 24-month period or the following 6 months.

Numerator 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 program invitation 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 invited in a [defined 24-month period](#), excluding those who either opted off or suspended without completing a screening test.

People who opt off or suspend are excluded from the denominator as they may be already participating in other forms of screening or surveillance due to non-asymptomatic reasons. Therefore, the denominator is closer to a true population screening scenario.

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 program invitation 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—opted off from a disease screening program 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—suspended participation from a disease screening program indicator, 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

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—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—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—disease screening invitation round, count 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—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](#)

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](#)

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: NN.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

Reference documents: ACN (Australian Cancer Network Colorectal Cancer Guidelines Revision Committees) 2017. Clinical practice guidelines for the prevention, early detection and management of colorectal cancer (CRC) 3rd edn. Sydney: The Cancer Council Australia and Australian Cancer Network.

Relational attributes

Related metadata references: Supersedes [National Bowel Cancer Screening Program: PI 01-Participation rate Health!](#), Superseded 06/09/2018