National Bowel Cancer Screening Program: PI 09-Adverse events (hospital admission rate)

Exported from METEOR (AIHW's Metadata Online Registry)

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Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	National Bowel Cancer Screening Program adverse events (hospital admission rate)
Synonymous names:	NBCSP adverse events (hospital admission rate)
METEOR identifier:	533409
Registration status:	Health!, Superseded 06/09/2018
Description:	The percentage of people who returned a positive National Bowel Cancer Screening Program (NBCSP) screening test and had a **diagnostic assessment** in a **defined 12-month period** who were admitted to hospital within 30 days of the assessment, measured 6 months after the defined period.
Rationale:	As with any invasive procedure, there is the risk of an **adverse event** occurring with a colonoscopy or other diagnostic assessment.
	Maximising benefit and minimising harm is an important tenet of population screening. Accordingly, it is important to report the known harms from screening when monitoring the performance of the program. Further, many international colorectal screening programs report this indicator, which would bring Australian monitoring in line with International programs and allow comparisons to be computed if required.
	To operationalise the monitoring of adverse events, the rate at which people who had a diagnostic assessment in a 12-month period were admitted to hospital within 30 days of that procedure should be monitored.
	To reduce the effect of any lag time between invitation, positive screen, and diagnostic assessment (with adverse event), this indicator includes all those who had a diagnostic assessment in the defined period, not all those invited in the defined period (who had a diagnostic assessment).
Indicator set:	National Bowel Cancer Screening Program performance indicators 2014–2018 Health!, Superseded 06/09/2018

Collection and usage attributes

Computation:	10,000 x (Numerator ÷ Denominator)
Numerator:	The number of people who returned a positive NBCSP screening test and had a diagnostic assessment in a **defined 12-month period** who were admitted to hospital in the next 30 days.

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 2014-18

Data Element / Data Set

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 2014-18](#)

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 2014-18](#)

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 2014-18](#)

Data Element / Data Set

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

Data Source

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

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2014-18](#)

Denominator: The number of people who had a diagnostic assessment (after a positive screen) in the **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 2014-18

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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 2014-18

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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 2014-18

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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 2014-18

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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
- Diagnostic assessment type
- Election status

Some disaggregation may result in numbers too small for publication.

Disaggregation data   ┌─ **Data Element / Data Set** ───

elements:

Person—Australian state/territory identifier, code N

Data Source

National Bowel Cancer Screening Program (NBCSP)

NMDS / DSS

National Bowel Cancer Screening Program NBEDS 2014-18

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 2014-18

Data Element / Data Set

Person—sex, code N

Data Source

National Bowel Cancer Screening Program (NBCSP)

NMDS / DSS

National Bowel Cancer Screening Program NBEDS 2014-18

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 2014-18

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 2014-18

Data Element / Data Set

[Person—disability status, code N](#)

Data Source

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

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2014-18](#)

Data Element / Data Set

[Person—main language other than English spoken at home, code (ASCL 2011) NN{NN}](#)

Data Source

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

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2014-18](#)

Data Element / Data Set

[Socio-Economic Indexes for Areas (SEIFA) (2011 Census, ASGS 2011) cluster](#)

Data Source

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

NMDS / DSS

[National Bowel Cancer Screening Program NBEDS 2014-18](#)

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 2014-18](#)

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 2014-18](#)

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)

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Accountability attributes

Further data development / collection required: Adverse event data are collected within the NBCSP for those undergoing assessment; however, return of these data to the NBCSP register is not compulsory, meaning they may be incomplete. These NBCSP register data will be used until a more accurate and complete data source is available.

The indicator will be reviewed at the completion of the biennial screening rollout, or earlier if program changes warrant it. The NBCSP adverse event data, while potentially incomplete, only contain true adverse events.

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Relational attributes

Related metadata references: Has been superseded by [National Bowel Cancer Screening Program: PI09-Adverse events (hospital admission rate)](#)
[Health!,](#) Standard 06/09/2018