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Australian Institute of Health and Welfare

Board Chair

Hon. Peter Collins, AM, QC

Director

Penny Allbon

Any enquiries about or comments on this publication should be directed to:

Ms Melissa Goodwin

Australian Institute of Health and Welfare

GPO Box 570

Canberra ACT 2601

Phone: (02) 6244 1041

Email: screening@aihw.gov.au

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Any enquiries about or comments on the data and statistical analyses in this report should be directed to:

Ms Melissa Goodwin Cancer and Screening Unit Australian Institute of Health and Welfare GPO Box 570 Canberra ACT 2601

Phone: (02) 6244 1041

Any enquiries about or comments on the National Bowel Cancer Screening Program should be directed to:

Mr Alan Keith Director Screening Section MDP 13 Australian Government Department of Health and Ageing GPO Box 9848 Canberra ACT 2601

Phone: (02) 6289 1555

Abbreviations

ABS Australian Bureau of Statistics
ACT Australian Capital Territory

AIHW Australian Institute of Health and Welfare

ARIA Accessibility/Remoteness Index for Australia

ASR age-standardised rate standardised to the Australian 2001 population

CD Census Collection District

CI confidence interval (see Appendix D)

DoHA Australian Government Department of Health and Ageing

FOBT faecal occult blood test

ICD-10 International Classification of Diseases 10th revision

IRSD Index of Relative Socioeconomic Disadvantage

NBCSP National Bowel Cancer Screening Program
NCSCH National Cancer Statistics Clearing House

NSW New South Wales
NT Northern Territory

Qld Queensland

SA South Australia

SEIFA Socio-Economic Index for Areas

SES socioeconomic status

Tas Tasmania Vic Victoria

WA Western Australia

Symbols

.. not applicable

> greater than < smaller than

≤ smaller than or equal to

n.a. not available

n.p. not publishable because of small numbers, confidentiality concerns or other

concerns about the quality of the data

Summary

This monitoring report describes the performance of the National Bowel Cancer Screening Program (NBCSP) for people invited to participate in the program in the period 1 January 2008 to 31 December 2008. Individual progression of participants through the screening pathway is analysed up to 31 January 2009. Data were provided by the NBCSP Register maintained by Medicare Australia, and are presented as measures of program activity, performance and outcome.

Phase 1 of the NBCSP was implemented in August 2006 by the Australian Government, in partnership with state and territory governments. Phase 2, which was introduced mid-2008, continued the phase 1 target ages of 55 and 65 years, and added people aged 50. Therefore, this report on participants invited in 2008 includes data from both phases of the NBCSP. Of the participants screened by the NBCSP in this period, less than 1% were found to have bowel cancer; however, this represents a partial picture of outcomes due to incomplete reporting.

Participation

Of the 685,915 people invited into the NBCSP in 2008, an estimated 39.3% agreed to participate. This proportion was lower than previous years, mainly due to the later inclusion of invitees aged 50 years — many of whom may not have had time to complete and return the kit. Participation of those aged 55 (39.3%) and 65 years (48.1%) was similar to previous years.

Faecal occult blood test outcomes

The proportion of positive screening test results for the 248,475 participants who correctly completed a faecal occult blood test (FOBT) was 6.6%. This was statistically significantly lower than in 2007, mainly due to the inclusion of invitees aged 50 years from 1 July 2008 who generally had lower positivity rates than the older target ages.

Male (7.7%) participants had a higher FOBT positivity rate than females (5.7%), which correlated with known bowel cancer incidence patterns between the sexes.

FOBT positivity rates increased with increasing disadvantage, from 5.5% for participants with the highest socioeconomic status to 7.8% for those with the lowest socioeconomic status.

Follow-up of positive faecal occult blood test results

Of the 16,436 people who returned a positive FOBT, 42.9% had a primary health care practitioner visit recorded, and 64.5% had been recorded as undergoing a colonoscopy to investigate the positive FOBT result.

Of the participants who visited the primary health care practitioner after their positive FOBT result, 83.7% reported having experienced no symptoms beforehand.

Cancer detection

Of the 7,042 people who returned a positive FOBT and had valid follow-up data, 63 confirmed and 239 suspected cancers were found. Pre-cancerous adenomas were found in a further 979 participants. The 239 suspected cancers, plus 2,467 polyp specimens, were awaiting a final histopathology diagnosis. Outcomes for a further 9,394 participants with a positive FOBT result were unknown as follow-up data was not available.