



Appendix 2

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Cenin DR, St John DJB, Ledger MJN, et al. Optimising the expansion of the National Bowel Cancer Screening Program. *Med J Aust* 2014; 201: 456-461. doi: 10.5694/mja13.00112.

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Scenario Criteria

The scenarios adhered to the following criteria:

- the 72-year-old cohort and the 74-year-old cohorts were invited at the same time because of the smaller population size of these two groups;
- age cohorts were added in the following order given the higher incidence of bowel cancer in the older cohorts: 70's , followed by the 60's, concluding with the 50's;
- cohort substitution was permitted when the 55- and 65-year-old cohorts were removed, with screening being offered to an extra cohort; and
- screening interval was at least two years and no more than five years apart (as is the current screening interval). This was achieved for all scenarios except *slow*, where there was a six-year screening interval associated with the removal of the 55- and 65-year-old cohorts.