



Appendix 4

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.

Appendix 4

Summary of projected major outcomes by modelled implementation scenario and sensitivity analysis, 2015-2055

	Current	Slow	Annual	Multiple	5year	Sensitivity Analysis (60% participation)			
						Slow (60)	Annual (60)	Multiple (60)	5year (60)
Total number of deaths prevented	35,169	60,871	66,930	67,961	70,038	69,520	83,002	86,137	89,519
Average number of deaths prevented per year	879	1522	1673	1699	1750	1738	2075	2153	2238
Total number of colonoscopies per scenario	2,275,054	4,218,449	4,713,117	4,803,501	4,919,566	5,178,748	6,184,886	6,417,749	6,625,881
Number of colonoscopies per death prevented	65	69	70	71	70	74	75	75	74
Additional deaths prevented compared to <i>Current</i>	-	25,702	31,761	32,792	34,869	34,351	47,833	50,968	54,350
Average additional deaths prevented per year compared to <i>Current</i>	-	643	794	820	872	859	1196	1275	1359
Additional colonoscopies compared to <i>Current</i> (%increase)	-	1,943,363 (85%)	2,438,180 (107%)	2,528,560 (111%)	2,644,779 (116%)	2,903,694 (128%)	3,909,833 (172%)	4,142,695 (182%)	4,350,827 (191%)
Additional deaths prevented compared to <i>Slow</i>	-	-	6059	7091	9167	-	-	-	-
Average additional deaths prevented per year compared to <i>Slow</i>	-	-	151	177	229	-	-	-	-
Additional colonoscopies compared to <i>Slow</i> (%increase)	-	-	494,817 (12%)	585,197 (14%)	701,416 (17%)	-	-	-	-
Additional deaths prevented compared to <i>Slow (60%)</i>	-	-	-	-	-	-	13,482	16,617	20,000
Average additional deaths prevented per year compared to <i>Slow (60%)</i>	-	-	-	-	-	-	337	415	500
Additional colonoscopies compared to <i>Slow (60%)</i> (%increase)	-	-	-	-	-	-	1,006,13 (35%)	1,239,001 (43%)	1,447,134 (50%)