



Appendix

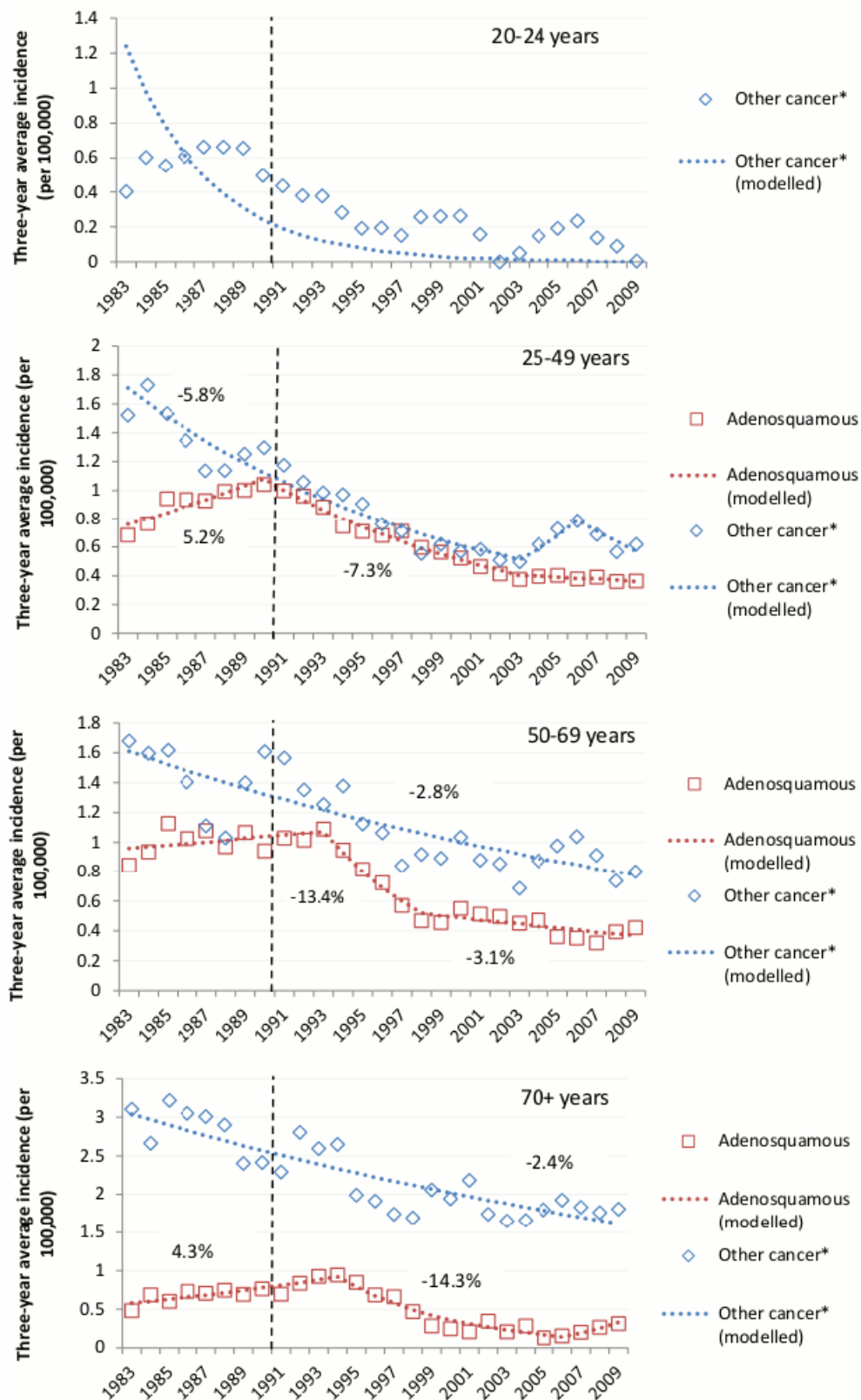
**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Smith M, Canfell K. Impact of the Australian National Cervical Screening Program in women of different ages. *Med J Aust* 2016; 205: 359-364. doi: 10.5694/mja16.00289.

Appendix: Supplementary material accompanying the article:

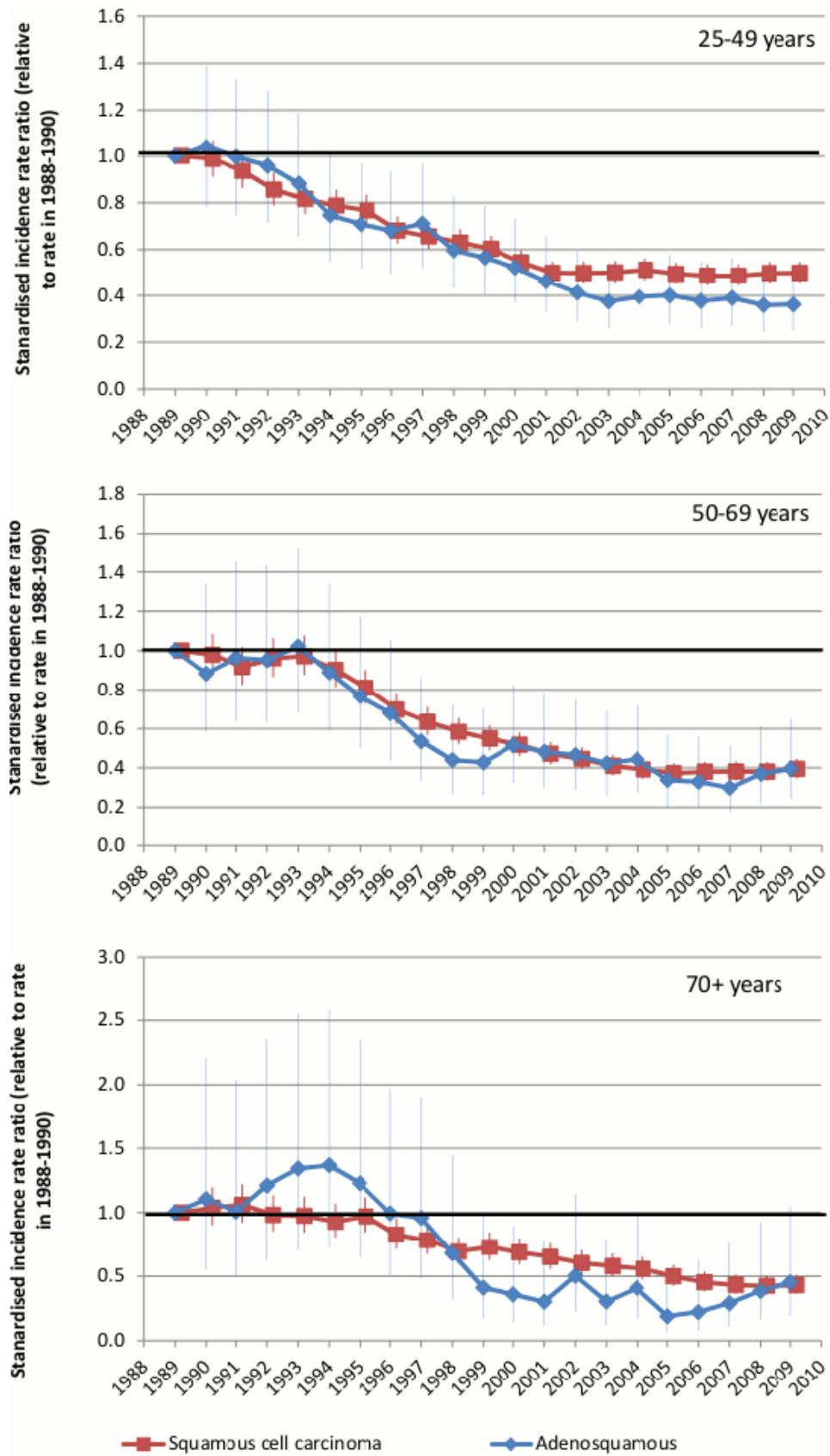
“Impact of the Australian National Cervical Screening Program in women of different ages”

Supplementary Figure 1 – Three-year average incidence of adenosquamous and other* cervical cancer, by age



Figures on chart represent annual percent change in rates which were statistically significant. Rates for adenosquamous cancer in women aged 20-24 years are not shown due to extremely small number of cases (14 cases in total over the 29-year period 1982-2010; no cases recorded in 19 of these years) * Other cervical cancer includes cervical cancer cases not coded as SCC, adenocarcinoma, or adenosquamous; includes cases coded as sarcoma, other carcinoma, other malignant neoplasm.

Supplementary Figure 2 – Standardised ratio of three-year cervical cancer incidence relative to incidence in 1988-1990, by age



Results for women aged 20-24 years are not shown due to extremely small number of adenosquamous cases

Supplementary Table 1 - Cervical cancer incidence and standardised rate ratio (SRR)

Age group	Adenosquamous				Other* cervical cancer			
	1988-1990	2008-2010	SRR	(95% CI)	1988-1990	2008-2010	SRR	(95% CI)
20-24†	0.05	0.09	1.82	(0.17 - 19.7)	0.66	0.01	0.01	(0.0 - 2.35)
25-49	1.00	0.36	0.36	(0.25 - 0.53)	1.25	0.62	0.49	(0.37 - 0.67)
50-69	1.07	0.42	0.40	(0.24 - 0.65)	1.40	0.80	0.57	(0.39 - 0.84)
70+	0.69	0.31	0.45	(0.20 - 1.05)	2.40	1.81	0.75	(0.52 - 1.10)

* Other cervical cancer includes cervical cancer cases not coded as SCC, adenocarcinoma, or adenosquamous; includes cases coded as sarcoma, other carcinoma, other malignant neoplasm. † Standardised rate ratio of incidence rate in 2008-2010 relative to that in 1988-1990 (for ages 20-24 this is an age-specific incidence rate ratio) Results in bold are significant at P < 0.05 level

Supplementary Table 2 – Histological breakdown of cervical cancer cases in women aged 20-24 (1982-2010)

Year	SCC	Adenocarcinoma	Adenosquamous	Other* cervical cancer
1982-1985	35	6	5	13
1986-1990	47	10	<3	20
1991-1995	21	18	<3	12
1996-2000	35	13	<3	8
2001-2005	44	7	<3	3
2006-2010	38	12	4	3

SCC = squamous cell carcinoma * Other cervical cancer includes cervical cancer cases not coded as SCC, adenocarcinoma, or adenosquamous; includes cases coded as sarcoma, other carcinoma, other malignant neoplasm

Supplementary Table 3 – Cervical cancer incidence by histological type and age immediately prior to NCSP (1988-1990) and in most recent three-year period (2008-2010)

	SCC		Adenocarcinoma		Adenosquamous		Other cancers									
	1988-1990	2008-2010	1988-1990	2008-2010	1988-1990	2008-2010	1988-1990	2008-2010								
	ASR	% of cancers*	ASR	% of cancers*	ASR	% of cancers*	ASR	% of cancers*								
All ages	9.88	73%	4.52	65%	1.99	15%	1.63	23%	0.65	5%	0.25	4%	1.01	7%	0.56	8%
20-69 yrs	13.15	73%	6.09	65%	2.72	15%	2.28	24%	0.92	5%	0.35	4%	1.23	7%	0.61	7%
20-24*	1.46	57%	1.33	74%	0.40	16%	0.37	21%	0.05	2%	0.09	5%	0.66	25%	0.01	0.3%
25-49	13.39	71%	6.69	65%	3.21	17%	2.65	26%	1.00	5%	0.36	4%	1.25	7%	0.62	6%
50-69	16.69	77%	6.58	66%	2.57	12%	2.22	22%	1.07	5%	0.42	4%	1.40	6%	0.80	8%
70+ yrs	16.82	74%	7.23	64%	2.83	12%	2.02	18%	0.69	3%	0.31	3%	2.40	11%	1.81	16%

SCC = squamous cell carcinoma ASR = age-standardised rate (using Australia 2001 Standard population) for all age groups other than 20-24 years (age-specific rate) Other cancers includes cervical cancer cases not coded as SCC, adenocarcinoma, or adenosquamous; includes cases coded as sarcoma, other carcinoma, other malignant neoplasm * rate of each histological type of cancer divided by overall cervical cancer rate