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Appendix 2: Additional tables

Table A1: Numbers of new cases of breast cancer in States and Territories and Australia, 1982–1996

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	1,796	1,444	809	410	474	132	67	11	5,143
1983	1,855	1,393	873	413	485	155	76	18	5,268
1984	2,032	1,554	872	454	489	135	84	12	5,632
1985	2,060	1,582	874	571	552	156	61	14	5,870
1986	2,185	1,597	960	546	528	149	67	18	6,050
1987	2,368	1,769	1,096	615	565	170	65	29	6,677
1988	2,469	1,749	1,018	640	559	141	81	22	6,679
1989	2,471	1,864	1,072	704	681	170	98	22	7,082
1990	2,570	1,886	1,270	672	667	171	103	22	7,361
1991	2,922	1,989	1,390	694	680	190	90	37	7,992
1992	2,709	2,054	1,326	751	766	203	100	34	7,943
1993	3,051	2,173	1,551	779	795	245	115	29	8,738
1994	3,331	2,607	1,571	843	820	287	140	43	9,642
1995	3,462	2,602	1,603	937	912	255	147	33	9,951
1996	3,352	2,444	1,661	875	820	224	134	46	9,556

Table A2: Numbers of new cases of breast cancer in Australia, by age, 1982–1996

Year	Age group				Total
	15–39	40–49	50–69	70+	
1982	490	910	2,391	1,351	5,142
1983	490	981	2,312	1,485	5,268
1984	481	1,029	2,516	1,606	5,632
1985	527	1,074	2,581	1,687	5,869
1986	529	1,049	2,639	1,833	6,050
1987	614	1,277	2,905	1,881	6,677
1988	568	1,323	2,869	1,919	6,679
1989	573	1,397	3,095	2,017	7,082
1990	598	1,487	3,161	2,115	7,361
1991	633	1,579	3,482	2,298	7,992
1992	610	1,711	3,369	2,253	7,943
1993	639	1,797	3,884	2,417	8,737
1994	652	1,897	4,430	2,663	9,642
1995	657	1,971	4,537	2,784	9,949
1996	648	1,920	4,356	2,632	9,556

Note: Age at diagnosis was missing for one woman in 1982, 1985, 1993 and for two women in 1995.

Table A3: Numbers of deaths from breast cancer in States and Territories and Australia, 1982–1996

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	709	601	272	161	149	73	18	4	1,987
1983	756	592	269	166	167	63	18	9	2,040
1984	789	586	316	181	190	77	21	6	2,166
1985	760	656	300	180	213	58	26	3	2,196
1986	743	610	314	187	211	63	29	8	2,165
1987	849	653	328	172	181	70	33	7	2,293
1988	842	652	333	211	232	70	16	5	2,361
1989	882	688	347	212	230	59	24	7	2,449
1990	856	698	352	199	204	73	35	5	2,422
1991	883	737	365	188	238	56	47	11	2,525
1992	851	672	382	217	216	61	22	7	2,428
1993	878	736	413	211	262	66	35	10	2,611
1994	902	775	430	232	230	70	27	3	2,669
1995	885	708	434	240	238	79	41	9	2,634
1996	885	716	426	216	270	58	40	9	2,619

Table A4: Numbers of deaths from breast cancer in Australia, by age, 1982–1996

Year	Age group				Total
	15–39	40–49	50–69	70+	
1982	101	217	933	736	1,987
1983	85	215	992	748	2,040
1984	96	253	978	839	2,166
1985	123	263	991	819	2,196
1986	115	251	970	829	2,165
1987	117	268	1,010	898	2,293
1988	100	272	1,043	946	2,361
1989	116	318	1,050	965	2,449
1990	95	316	1,056	955	2,422
1991	122	334	1,049	1,020	2,525
1992	118	344	949	1,017	2,428
1993	113	317	1,083	1,097	2,610
1994	115	358	1,059	1,137	2,669
1995	86	333	1,083	1,132	2,634
1996	130	338	1,036	1,115	2,619

Note: Age at death was missing for one woman in 1993.

Table A5: Age-standardised breast cancer incidence and mortality rates^(a) with mortality to incidence ratios, Australia, 1982–1996

Year	Incidence		Mortality		Mortality/incidence ratio (%)	
	AS Rate (Aust 1991)	AS Rate (World)	AS Rate (Aust 1991)	AS Rate (World)	Ratio (Aust 1991)	Ratio (World)
1982	69.9	56.4	26.2	20.2	37.5	35.8
1983	70.1	56.5	26.3	20.4	37.5	36.2
1984	73.1	58.9	27.4	21.1	37.4	35.8
1985	74.5	59.8	27.2	21.0	36.4	35.1
1986	74.8	60.0	26.1	20.1	34.9	33.5
1987	80.9	65.2	26.9	20.8	33.3	31.9
1988	79.1	63.7	27.0	20.7	34.2	32.5
1989	81.9	66.3	27.5	21.1	33.5	31.9
1990	83.2	67.4	26.6	20.5	31.9	30.4
1991	88.2	71.5	27.1	20.9	30.7	29.2
1992	85.7	69.7	25.3	19.4	29.6	27.9
1993	92.7	75.9	26.6	20.3	28.7	26.8
1994	100.3	82.2	26.6	20.4	26.5	24.8
1995	101.1	82.9	25.6	19.6	25.4	23.7
1996	94.9	78.0	24.9	19.1	26.3	24.4

(a) Age-standardised rates are expressed per 100,000 woman-years and are age-standardised to the Australian 1991 Population Standard (AS Rate (Aust 1991)) and the World Standard Population (AS Rate (World)). See 'Methods' pages 3 and 4.

Table A6a: Incidence rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the Australian 1991 Population Standard

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	67.4	73.2	71.6	69.4	69.6	64.9	79.7	41.4	69.9
1983	68.8	68.9	75.8	67.6	68.8	75.3	90.8	46.3	70.1
1984	73.3	75.5	73.3	72.7	68.7	61.8	92.6	34.5	73.1
1985	73.0	75.5	71.4	88.2	74.6	71.3	68.4	43.0	74.5
1986	75.6	74.6	75.6	81.0	71.1	65.4	71.6	42.4	74.8
1987	80.7	81.3	84.1	87.9	74.2	74.2	62.2	66.7	80.9
1988	82.2	79.1	75.4	88.9	72.4	59.6	76.6	48.3	79.1
1989	80.7	82.3	76.6	94.5	86.9	71.1	88.9	61.3	81.9
1990	82.4	81.7	87.8	87.7	84.0	69.6	89.4	64.3	83.2
1991	91.7	84.4	92.8	87.7	83.6	77.1	75.9	88.6	88.2
1992	83.5	85.6	85.9	91.8	92.3	79.5	82.5	67.7	85.7
1993	92.5	89.3	97.2	93.3	95.3	96.8	90.1	62.3	92.7
1994	99.7	105.3	95.2	99.7	96.1	110.6	107.5	67.9	100.3
1995	101.5	103.2	94.1	107.1	104.7	96.8	105.0	61.5	101.1
1996	96.1	95.6	94.1	97.1	92.7	83.8	93.2	69.8	94.9

Table A6b: Standard errors of incidence rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the Australian 1991 Population Standard

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	1.6	1.9	2.5	3.4	3.2	5.7	10.2	16.2	1.0
1983	1.6	1.9	2.6	3.3	3.2	6.1	10.9	12.1	1.0
1984	1.6	1.9	2.5	3.4	3.2	5.4	10.5	11.1	1.0
1985	1.6	1.9	2.4	3.7	3.2	5.8	9.2	14.0	1.0
1986	1.6	1.9	2.5	3.5	3.1	5.4	9.1	11.7	1.0
1987	1.7	1.9	2.5	3.6	3.2	5.7	8.0	13.8	1.0
1988	1.7	1.9	2.4	3.5	3.1	5.1	8.8	11.8	1.0
1989	1.6	1.9	2.3	3.6	3.4	5.5	9.3	16.2	1.0
1990	1.6	1.9	2.5	3.4	3.3	5.4	9.1	16.6	1.0
1991	1.7	1.9	2.5	3.3	3.2	5.6	8.2	17.8	1.0
1992	1.6	1.9	2.4	3.4	3.4	5.6	8.5	13.2	1.0
1993	1.7	1.9	2.5	3.4	3.4	6.2	8.6	13.4	1.0
1994	1.7	2.1	2.4	3.5	3.4	6.6	9.3	11.8	1.0
1995	1.7	2.0	2.4	3.5	3.5	6.1	8.9	12.9	1.0
1996	1.7	2.0	2.3	3.3	3.3	5.7	8.3	11.7	1.0

Table A6c: Incidence rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the World Standard Population

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	54.2	60.0	56.6	56.6	55.6	51.9	66.1	30.9	56.4
1983	55.4	55.7	61.0	53.7	56.1	60.7	74.0	39.9	56.5
1984	59.2	60.8	58.9	57.6	55.7	48.7	77.1	30.4	58.9
1985	58.8	60.6	57.8	69.5	59.2	57.8	52.2	34.4	59.8
1986	60.9	60.2	60.0	63.8	57.1	52.2	56.9	35.7	60.0
1987	65.1	65.9	67.8	69.2	58.9	59.9	51.0	59.4	65.2
1988	66.5	64.0	61.1	69.9	58.1	47.1	62.8	41.3	63.7
1989	65.5	66.5	62.4	75.8	70.6	57.1	71.5	44.0	66.3
1990	66.8	65.9	71.1	71.1	68.9	54.9	75.5	45.2	67.4
1991	74.8	68.1	74.3	71.0	68.0	63.9	62.9	69.7	71.5
1992	68.1	69.1	69.9	74.9	75.8	63.1	65.9	58.8	69.7
1993	75.9	72.8	79.5	74.9	79.1	81.9	75.4	51.5	75.9
1994	82.2	85.8	77.8	81.3	78.8	90.3	87.2	59.6	82.2
1995	83.9	84.5	76.7	86.9	85.0	80.7	86.7	50.2	82.9
1996	79.0	79.2	76.7	78.8	76.3	68.8	76.8	60.2	78.0

Table A6d: Standard errors of incidence rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the World Standard Population

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	1.3	1.6	2.1	2.9	2.7	4.8	8.3	10.5	0.8
1983	1.3	1.6	2.2	2.7	2.7	5.1	8.7	10.5	0.8
1984	1.4	1.6	2.1	2.8	2.6	4.4	8.6	9.4	0.8
1985	1.4	1.6	2.0	3.0	2.7	4.8	6.9	10.4	0.8
1986	1.4	1.6	2.0	2.8	2.6	4.5	7.1	9.5	0.8
1987	1.4	1.6	2.1	2.9	2.6	4.8	6.5	11.8	0.8
1988	1.4	1.6	2.0	2.9	2.6	4.2	7.2	9.8	0.8
1989	1.4	1.6	2.0	3.0	2.9	4.6	7.4	10.4	0.8
1990	1.4	1.6	2.1	2.9	2.8	4.5	7.7	10.6	0.8
1991	1.5	1.6	2.1	2.8	2.8	4.9	6.8	12.6	0.8
1992	1.4	1.6	2.0	2.8	2.9	4.7	6.8	11.2	0.8
1993	1.4	1.6	2.1	2.8	2.9	5.4	7.3	10.4	0.8
1994	1.5	1.8	2.0	2.9	2.9	5.6	7.6	9.9	0.9
1995	1.5	1.7	2.0	3.0	3.0	5.3	7.4	9.6	0.9
1996	1.4	1.7	2.0	2.8	2.8	4.8	6.8	9.8	0.8

Table A7a: Mortality rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the Australian 1991 Population Standard

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	25.6	29.4	23.3	27.3	21.0	34.7	24.7	16.0	26.2
1983	26.8	28.0	22.9	27.3	22.6	28.7	21.6	64.4	26.3
1984	27.7	27.5	25.9	28.5	25.5	35.0	25.5	23.6	27.4
1985	26.2	30.1	23.9	27.6	28.4	25.9	30.5	5.6	27.2
1986	24.8	27.6	24.4	27.3	27.4	27.1	33.9	26.8	26.1
1987	27.9	28.6	24.6	24.5	22.8	30.2	35.2	23.3	26.9
1988	27.0	28.2	24.1	29.0	28.4	28.3	16.5	21.9	27.0
1989	27.8	29.3	24.2	28.3	28.0	24.2	23.4	24.6	27.5
1990	26.6	29.0	23.8	25.8	24.3	28.9	34.9	14.9	26.6
1991	26.9	30.2	24.0	23.5	27.7	21.8	44.7	28.8	27.1
1992	25.0	27.1	24.1	26.4	24.8	22.7	19.3	10.6	25.3
1993	25.6	28.6	25.4	24.9	29.7	24.4	30.3	21.9	26.6
1994	25.8	29.8	25.3	26.5	25.2	25.9	22.3	7.1	26.6
1995	24.6	26.8	24.9	26.7	25.5	27.6	33.4	22.1	25.6
1996	24.1	26.7	23.6	23.3	28.4	20.2	31.7	23.0	24.9

Table A7b: Standard errors of mortality rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the Australian 1991 Population Standard

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	1.0	1.2	1.4	2.2	1.7	4.1	6.1	9.3	0.6
1983	1.0	1.2	1.4	2.1	1.8	3.7	5.4	24.6	0.6
1984	1.0	1.1	1.5	2.1	1.9	4.0	5.7	10.8	0.6
1985	1.0	1.2	1.4	2.1	2.0	3.4	6.2	3.4	0.6
1986	0.9	1.1	1.4	2.0	1.9	3.4	6.5	10.5	0.6
1987	1.0	1.1	1.4	1.9	1.7	3.6	6.4	9.8	0.6
1988	0.9	1.1	1.3	2.0	1.9	3.4	4.3	10.2	0.6
1989	0.9	1.1	1.3	1.9	1.9	3.2	4.9	11.7	0.6
1990	0.9	1.1	1.3	1.8	1.7	3.4	6.0	7.3	0.5
1991	0.9	1.1	1.3	1.7	1.8	2.9	6.7	10.1	0.5
1992	0.9	1.1	1.2	1.8	1.7	2.9	4.2	4.1	0.5
1993	0.9	1.1	1.3	1.7	1.9	3.0	5.2	8.1	0.5
1994	0.9	1.1	1.2	1.8	1.7	3.1	4.4	4.4	0.5
1995	0.8	1.0	1.2	1.7	1.7	3.2	5.3	8.7	0.5
1996	0.8	1.0	1.2	1.6	1.8	2.7	5.1	8.5	0.5

Table A7c: Mortality rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the World Standard Population

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	19.7	23.1	17.7	20.9	16.1	25.7	20.0	12.4	20.2
1983	21.1	21.7	17.6	21.7	17.1	22.6	16.6	37.1	20.4
1984	21.2	21.4	19.5	21.7	19.9	28.1	20.4	19.5	21.1
1985	20.2	23.4	18.5	21.3	21.6	20.6	22.8	4.9	21.0
1986	19.0	21.2	19.0	20.6	21.3	20.5	25.1	21.9	20.1
1987	21.6	22.0	19.3	18.7	17.4	23.9	26.4	18.3	20.8
1988	20.7	21.8	18.5	22.0	22.1	20.6	12.5	16.6	20.7
1989	21.5	22.7	18.4	21.6	21.3	19.0	16.7	15.7	21.1
1990	20.5	22.3	18.5	20.1	18.4	21.8	25.2	12.0	20.5
1991	21.0	23.1	18.6	17.6	21.1	17.1	33.8	23.2	20.9
1992	19.1	20.9	18.3	20.1	19.4	16.7	16.1	10.6	19.4
1993	19.9	21.3	19.4	18.5	23.5	18.9	21.9	17.4	20.3
1994	20.2	22.4	19.3	20.0	19.1	19.6	17.4	6.5	20.4
1995	18.8	20.8	18.9	20.0	19.6	21.0	24.6	17.0	19.6
1996	18.3	20.8	18.2	17.7	21.2	15.0	22.9	17.9	19.1

Table A7d: Standard errors of mortality rates of breast cancer in the States and Territories and Australia, 1982-1996, age-standardised to the World Standard Population

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1982	0.8	1.0	1.1	1.7	1.4	3.2	4.7	7.2	0.5
1983	0.8	0.9	1.1	1.7	1.4	3.0	4.0	13.6	0.5
1984	0.8	0.9	1.2	1.7	1.5	3.4	4.5	8.6	0.5
1985	0.8	1.0	1.1	1.7	1.6	2.9	4.6	3.1	0.5
1986	0.7	0.9	1.1	1.6	1.6	2.7	4.7	8.0	0.5
1987	0.8	0.9	1.1	1.5	1.4	3.0	4.7	7.4	0.5
1988	0.8	0.9	1.1	1.6	1.6	2.6	3.2	7.4	0.5
1989	0.8	0.9	1.0	1.6	1.5	2.7	3.5	6.5	0.5
1990	0.7	0.9	1.0	1.5	1.4	2.8	4.4	5.8	0.4
1991	0.8	0.9	1.0	1.4	1.5	2.4	5.1	7.5	0.4
1992	0.7	0.9	1.0	1.4	1.4	2.3	3.5	4.1	0.4
1993	0.7	0.8	1.0	1.4	1.6	2.5	3.8	5.9	0.4
1994	0.7	0.9	1.0	1.4	1.4	2.5	3.4	4.1	0.4
1995	0.7	0.8	1.0	1.4	1.4	2.6	4.0	6.1	0.4
1996	0.7	0.8	0.9	1.3	1.4	2.1	3.8	6.3	0.4

Table A8a: Incidence and mortality rates of breast cancer in the States and Territories and Australia, in four age groups and all ages, age-standardised to the Australian 1991 Population Standard

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Incidence									
1982–1986									
15–39	16.7	17.4	16.2	14.9	16.9	17.7	17.2	11.2	16.6
40–49	121.5	118.0	124.0	118.1	108.2	124.2	116.7	81.1	119.2
50–69	175.7	189.4	175.4	186.2	178.5	149.5	208.7	81.2	179.7
70+	248.0	244.4	271.5	299.8	249.6	245.0	296.8	161.7	254.9
All ages	71.7	73.6	73.5	76.1	70.6	67.7	80.5	41.4	72.6
1987–1991									
15–39	18.6	18.5	17.0	17.2	17.8	14.6	14.9	12.6	17.9
40–49	140.5	132.6	135.6	129.3	131.4	114.4	141.0	81.1	134.8
50–69	212.4	209.4	214.4	230.4	206.6	180.6	222.0	160.7	211.9
70+	278.6	276.5	291.5	342.3	268.7	245.4	213.0	270.3	282.7
All ages	83.6	81.8	83.6	89.3	80.3	70.5	78.9	65.8	82.7
1992–1996									
15–39	17.6	18.2	18.5	16.4	17.5	21.1	17.2	15.9	17.8
40–49	150.1	145.6	142.9	146.1	143.2	142.6	148.8	127.3	146.3
50–69	265.9	267.7	250.6	270.7	277.7	263.6	257.8	188.5	264.8
70+	292.4	308.4	317.4	336.4	298.6	276.0	329.4	132.5	304.4
All ages	94.7	95.9	93.4	97.8	96.3	93.5	95.7	65.8	95.0
Mortality									
1982–1986									
15–39	3.7	3.4	3.2	3.7	3.4	3.5	2.7	2.6	3.4
40–49	26.8	29.2	27.4	30.3	26.2	42.6	33.0	14.8	28.3
50–69	69.9	77.1	62.3	71.9	64.8	73.5	62.5	57.0	70.3
70+	122.4	134.5	113.8	131.3	121.4	140.0	151.1	188.3	125.7
All ages	26.2	28.5	24.1	27.7	25.0	30.2	27.5	26.8	26.6
1987–1991									
15–39	3.5	3.7	3.2	1.9	2.8	4.3	4.5	1.7	3.3
40–49	31.1	29.8	24.7	26.9	28.2	27.4	28.1	14.8	28.8
50–69	70.7	76.7	64.5	69.8	69.0	67.5	78.0	65.3	71.0
70+	128.1	140.1	113.4	132.1	127.8	129.2	164.8	114.8	129.7
All ages	27.2	29.1	24.1	26.2	26.3	26.6	31.2	22.6	27.0
1992–1996									
15–39	2.7	3.9	3.0	2.9	3.0	3.4	3.1	0.5	3.1
40–49	28.3	26.2	26.7	25.2	23.6	27.9	20.3	17.7	26.6
50–69	65.2	72.6	63.5	63.4	72.4	56.6	79.2	56.1	67.2
70+	119.6	137.1	119.9	136.0	132.8	125.2	135.8	67.2	126.9
All ages	25.0	27.8	24.6	25.6	26.7	24.2	27.7	17.2	25.8

Table A8b: Incidence and mortality rates of breast cancer in the States and Territories and Australia, in four age groups and all ages, age-standardised to the World Standard Population

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Incidence									
1982–1986									
15–39	14.2	14.7	13.7	12.8	14.4	15.1	14.6	9.7	14.1
40–49	123.7	120.3	127.6	120.1	110.2	127.6	119.4	79.9	121.6
50–69	173.6	186.9	172.9	183.8	177.3	147.2	208.1	83.8	177.6
70+	246.5	243.0	269.4	298.1	245.5	244.6	302.8	191.1	253.2
All ages	57.7	59.5	58.9	60.5	56.7	54.2	65.1	34.2	58.4
1987–1991									
15–39	15.7	15.7	14.4	14.6	15.0	12.4	12.9	10.6	15.1
40–49	143.8	135.4	138.8	132.4	134.4	116.9	142.4	79.9	137.9
50–69	210.2	207.1	212.2	228.3	204.3	179.7	219.5	160.6	209.7
70+	276.7	272.9	289.5	340.0	265.1	234.9	202.3	257.9	279.8
All ages	67.8	66.1	67.5	71.4	65.0	56.7	65.1	51.9	66.9
1992–1996									
15–39	14.9	15.5	15.8	13.8	14.8	17.9	14.5	13.4	15.2
40–49	154.2	149.3	148.2	150.0	147.2	146.6	153.5	130.7	150.5
50–69	263.7	265.2	249.2	268.2	275.4	261.2	258.7	188.8	262.6
70+	291.9	306.6	315.9	333.0	295.4	274.8	333.0	130.4	302.9
All ages	77.9	78.4	76.2	79.3	79.0	77.0	78.5	56.1	77.8
Mortality									
1982–1986									
15–39	3.1	2.9	2.7	3.1	2.9	2.9	2.3	2.2	2.9
40–49	27.6	30.3	27.8	31.3	26.8	43.5	34.7	13.3	29.1
50–69	68.8	75.6	61.1	71.0	63.8	72.2	62.7	54.6	69.1
70+	119.5	134.5	109.6	125.3	118.9	139.9	151.5	197.4	123.3
All ages	20.2	22.2	18.5	21.3	19.2	23.4	21.1	19.0	20.6
1987–1991									
15–39	2.9	3.1	2.7	1.6	2.4	3.6	3.8	1.4	2.8
40–49	31.9	30.5	25.2	27.8	28.5	29.1	28.5	13.3	29.5
50–69	69.7	75.5	63.7	68.7	67.6	66.4	76.4	62.4	69.9
70+	125.6	137.1	110.8	126.9	124.1	123.2	151.8	116.7	126.5
All ages	21.1	22.4	18.6	20.0	20.1	20.4	23.1	17.2	20.8
1992–1996									
15–39	2.3	3.3	2.5	2.5	2.6	2.9	2.5	0.4	2.6
40–49	29.3	27.0	27.6	25.6	24.4	28.5	21.7	18.3	27.4
50–69	64.1	71.3	62.4	62.5	71.4	55.5	75.9	56.3	66.0
70+	115.9	133.3	113.9	132.4	130.6	122.5	126.0	66.3	122.9
All ages	19.2	21.2	18.8	19.3	20.5	18.3	20.7	14.0	19.7

Table A9: Incidence rates of breast cancer in the States and Territories and Australia, 1982–1986, 1987–1991 and 1992–1996

Age group	1982–1986								Australia
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	
0–4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5–9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10–14	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
15–19	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.1
20–24	1.3	0.3	1.3	0.7	1.0	0.0	1.8	0.0	0.9
25–29	6.0	6.7	6.1	7.7	7.9	8.9	5.4	5.3	6.6
30–34	24.6	23.8	26.4	16.5	24.3	20.4	25.2	2.9	23.6
35–39	52.7	57.6	48.4	51.1	52.0	60.6	55.1	49.6	53.3
40–44	104.6	100.6	95.9	102.6	92.2	97.7	95.9	90.3	100.5
45–49	142.8	139.9	159.2	137.5	128.3	157.4	142.8	69.5	142.7
50–54	143.2	155.5	139.4	156.2	161.3	115.8	223.4	97.3	148.7
55–59	168.8	177.2	172.4	187.0	168.5	148.6	183.3	97.2	172.4
60–64	191.7	203.6	184.3	182.0	192.0	155.4	196.8	95.1	191.7
65–69	206.8	229.6	214.4	227.8	196.1	186.5	230.7	28.3	213.7
70–74	235.0	237.8	265.2	279.0	221.6	228.0	302.3	337.0	243.1
75–79	249.9	245.6	259.6	285.6	249.0	270.1	335.9	90.3	253.9
80–84	252.3	256.6	307.9	313.0	278.3	201.9	167.9	0.0	266.8
85+	280.1	245.0	267.5	384.9	301.5	302.8	373.4	0.0	278.8
All ages ASR (Aust 1991)^(a)	71.7	73.6	73.5	76.1	70.6	67.7	80.5	41.4	72.6
Std error	0.7	0.9	1.1	1.6	1.4	2.5	4.5	5.8	0.4
All ages ASR (World)^(a)	57.7	59.5	58.9	60.5	56.7	54.2	65.1	34.2	58.4
Std error	0.6	0.7	0.9	1.3	1.2	2.1	3.5	4.5	0.4

(continued)

Table A9 (continued): Incidence rates of breast cancer in the States and Territories and Australia, 1982–1986, 1987–1991 and 1992–1996

Age group	1987–1991								Australia
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	
0–4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5–9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10–14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15–19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20–24	1.0	1.2	0.7	1.3	0.7	1.2	0.0	0.0	1.0
25–29	6.4	8.0	7.3	7.8	5.9	5.4	11.4	2.3	7.1
30–34	26.6	29.3	24.7	25.1	25.4	24.0	13.1	17.9	26.3
35–39	60.7	54.9	53.5	52.8	58.6	43.4	51.3	44.2	56.2
40–44	114.5	110.2	111.3	104.7	108.2	95.0	129.4	73.8	110.8
45–49	173.1	160.7	166.2	160.2	160.6	138.9	155.5	125.9	164.9
50–54	185.9	176.6	191.3	202.6	176.9	166.2	158.2	149.3	183.9
55–59	195.9	193.9	194.3	195.5	190.2	167.2	211.1	139.8	193.7
60–64	226.9	230.3	225.8	267.8	224.1	199.9	286.2	198.6	230.5
65–69	247.6	244.6	252.6	262.1	242.7	191.9	243.8	156.4	246.4
70–74	269.5	258.9	282.8	307.2	241.9	183.2	166.7	168.4	265.6
75–79	282.6	286.0	289.1	327.8	272.3	243.5	246.9	356.9	285.9
80–84	294.0	301.3	314.8	345.2	286.0	330.5	287.8	241.8	303.6
85+	276.1	274.7	291.5	490.3	322.6	329.1	170.1	434.2	300.5
All ages ASR (Aust 1991)^(a)	83.6	81.8	83.6	89.3	80.3	70.5	78.9	65.8	82.7
Std error	0.7	0.9	1.1	1.6	1.3	2.4	3.9	6.9	0.4
All ages ASR (World)^(a)	67.8	66.1	67.5	71.4	65.0	56.7	65.1	51.9	66.9
Std error	0.6	0.7	0.9	1.3	1.1	2.1	3.2	5.0	0.4

(continued)

Table A9 (continued): Incidence rates of breast cancer in the States and Territories and Australia, 1982–1986, 1987–1991 and 1992–1996

Age group	1992–1996								
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
0–4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5–9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10–14	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1
15–19	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.1
20–24	1.3	0.7	1.7	1.2	0.7	0.0	0.0	0.0	1.1
25–29	7.3	8.7	7.3	5.2	7.0	9.5	6.3	4.6	7.4
30–34	25.3	24.8	25.6	25.3	28.7	30.7	26.3	21.8	25.6
35–39	55.4	58.2	59.2	51.3	51.9	66.8	54.8	54.7	56.3
40–44	118.3	116.3	101.2	115.7	112.3	111.6	112.5	101.3	113.6
45–49	190.1	182.4	195.3	184.4	182.1	181.6	194.5	160.0	187.5
50–54	235.3	231.0	234.7	222.0	249.5	233.9	252.6	151.9	233.7
55–59	257.1	265.7	241.1	278.5	279.8	266.8	248.2	223.0	260.5
60–64	277.2	276.3	257.1	289.6	273.0	256.5	297.1	222.8	273.8
65–69	301.6	306.7	273.9	303.0	316.0	305.5	231.4	159.5	298.8
70–74	293.7	306.3	306.0	314.5	280.3	264.8	340.1	117.4	298.6
75–79	304.2	321.4	318.6	344.1	306.4	315.4	348.1	185.4	314.9
80–84	291.5	321.1	323.9	353.9	316.9	239.0	266.9	91.2	310.2
85+	260.5	264.0	342.0	364.0	312.9	269.8	340.3	112.0	289.0
All ages ASR (Aust 1991)^(a)	94.7	95.9	93.4	97.8	96.3	93.5	95.7	65.8	95.0
Std error	0.8	0.9	1.1	1.5	1.5	2.7	3.9	5.6	0.4
All ages ASR (World)^(a)	77.9	78.4	76.2	79.3	79.0	77.0	78.5	56.1	77.8
Std error	0.6	0.8	0.9	1.3	1.3	2.3	3.2	4.5	0.4

(a) Age-standardised rates are expressed per 100,000 woman-years and are age-standardised to the Australian 1991 Population Standard (ASR (Aust 1991)) and the World Standard Population (ASR (World)). See 'Methods' pages 3 and 4.

Table A10: Mortality^(a) rates of breast cancer in the States and Territories and Australia, 1982–1986, 1987–1991 and 1992–1996

Age group	1982–1986								Australia
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	
0–4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5–9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10–14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15–19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20–24	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
25–29	0.6	1.2	2.0	1.3	1.1	0.0	0.0	0.0	1.1
30–34	5.4	3.6	4.5	4.8	3.4	2.4	5.0	2.9	4.4
35–39	12.5	12.3	9.5	12.6	12.8	15.5	8.9	10.6	12.0
40–44	20.7	20.7	23.9	23.0	21.6	35.8	19.7	26.5	21.9
45–49	34.5	40.0	31.8	39.6	31.9	51.2	49.8	0.0	36.2
50–54	52.2	58.0	49.8	61.2	51.3	51.9	59.0	54.1	54.1
55–59	67.8	72.0	53.3	66.9	60.9	80.2	64.2	27.8	66.2
60–64	76.8	81.3	65.6	73.8	71.5	73.7	71.1	38.1	75.3
65–69	87.0	102.1	84.0	88.8	78.5	93.2	55.7	113.1	89.8
70–74	98.2	116.4	80.4	82.9	102.1	129.1	135.5	192.6	100.8
75–79	104.5	122.0	100.8	126.5	107.2	115.2	134.4	90.3	111.2
80–84	153.3	122.9	148.6	166.8	149.6	151.4	139.9	144.1	144.6
85+	201.1	243.4	204.5	251.0	179.0	220.9	261.4	484.3	216.0
All ages ASR (Aust 1991)^(a)	26.2	28.5	24.1	27.7	25.0	30.2	27.5	26.8	26.6
Std error	0.4	0.5	0.6	0.9	0.8	1.7	2.7	5.9	0.3
All ages ASR (World)^(a)	20.2	22.2	18.5	21.3	19.2	23.4	21.1	19.0	20.6
Std error	0.3	0.4	0.5	0.8	0.7	1.4	2.0	3.8	0.2

(continued)

Table A10 (continued): Mortality rates^(a) of breast cancer in the States and Territories and Australia, 1982–1986, 1987–1991 and 1992–1996

Age group	1987–1991								Australia
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	
0–4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5–9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10–14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15–19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20–24	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2
25–29	0.9	1.3	1.0	0.9	1.7	1.1	1.6	0.0	1.1
30–34	4.0	5.2	4.0	4.2	3.5	3.3	8.2	0.0	4.3
35–39	12.5	11.8	11.2	4.4	9.2	17.6	12.8	8.8	11.2
40–44	24.9	24.4	21.4	20.1	26.3	14.1	24.5	11.1	23.4
45–49	38.9	36.7	29.0	35.5	30.6	44.1	32.6	21.9	35.5
50–54	58.9	58.3	57.2	53.9	51.8	47.2	48.1	24.9	56.7
55–59	60.6	72.5	59.5	68.6	61.5	72.5	62.9	58.2	64.7
60–64	77.3	85.7	62.7	72.8	75.9	73.2	108.5	76.4	76.9
65–69	89.5	94.6	81.2	87.9	91.2	81.4	98.7	111.7	89.4
70–74	103.6	107.4	87.6	93.9	94.3	91.6	91.7	101.0	99.9
75–79	126.6	118.9	99.4	128.8	116.7	126.6	211.7	59.5	120.1
80–84	134.7	164.9	133.8	166.3	151.5	175.9	226.2	120.9	148.8
85+	202.7	264.3	203.8	215.7	231.0	190.2	198.4	289.4	223.5
All ages ASR (Aust 1991)^(a)	27.2	29.1	24.1	26.2	26.3	26.6	31.2	22.6	27.0
Std error	0.4	0.5	0.6	0.8	0.7	1.5	2.6	4.4	0.2
All ages ASR (World)^(a)	21.1	22.4	18.6	20.0	20.1	20.4	23.1	17.2	20.8
Std error	0.3	0.4	0.5	0.7	0.6	1.2	1.9	3.1	0.2

(continued)

Table A10 (continued): Mortality rates^(a) of breast cancer in States and Territories and Australia, 1982–1986, 1987–1991 and 1992–1996

Age group	1992–1996								
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
0–4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5–9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10–14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15–19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20–24	0.1	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.1
25–29	0.4	0.4	0.7	1.2	1.1	1.2	0.0	0.0	0.6
30–34	3.9	4.5	4.1	4.0	3.1	6.3	4.6	0.0	4.1
35–39	9.3	15.1	10.7	9.5	10.9	9.7	11.0	2.7	11.1
40–44	21.2	19.7	19.5	22.6	17.7	23.3	9.5	12.7	20.1
45–49	37.3	34.4	35.7	28.5	31.1	33.7	33.9	24.0	34.7
50–54	52.3	52.5	45.4	44.5	59.8	41.2	29.2	72.9	50.5
55–59	59.3	71.8	61.6	65.1	62.7	53.4	66.7	19.4	63.4
60–64	69.3	78.8	70.5	73.8	81.8	61.1	103.8	69.6	73.6
65–69	83.5	92.0	80.9	74.0	88.7	74.8	128.6	59.8	85.2
70–74	88.5	104.9	76.0	109.1	109.0	98.1	72.9	58.7	94.3
75–79	115.9	136.6	119.3	117.6	119.1	95.2	91.6	46.4	121.2
80–84	139.5	154.3	157.1	175.5	149.0	162.2	252.8	91.2	151.6
85+	201.8	219.2	211.4	211.7	221.4	234.6	280.3	112.0	212.2
All ages ASR (Aust 1991)^(a)	25.0	27.8	24.6	25.5	26.7	24.2	27.7	17.2	25.8
Std error	0.4	0.5	0.5	0.8	0.8	1.3	2.2	3.3	0.2
All ages ASR (World)^(a)	19.2	21.2	18.8	19.3	20.5	18.3	20.7	14.0	19.7
Std error	0.3	0.4	0.4	0.6	0.6	1.1	1.7	2.4	0.2

(a) Age-standardised rates are expressed per 100,000 woman-years and are age-standardised to the Australian 1991 Population Standard (ASR (Aust 1991)) and the World Standard Population (ASR (World)). See 'Methods' pages 3 and 4.

Table A11: Age-standardised incidence rates of breast cancer in Australian women, in four age groups, 1982–1996

Year	AS Rates (Aust 1991)				AS Rates (World)			
	Age group				Age group			
	15–39	40–49	50–69	70+	15–39	40–49	50–69	70+
1982	17.2	114.8	175.4	233.6	14.7	117.2	173.0	230.8
1983	16.6	120.4	168.0	246.7	14.1	123.5	166.6	245.9
1984	15.9	122.3	181.7	256.6	13.5	123.9	179.7	256.7
1985	16.9	122.6	185.5	260.6	14.3	125.3	182.4	257.3
1986	16.5	115.7	187.9	273.6	14.0	118.1	187.9	272.0
1987	19.0	133.5	203.7	273.1	16.1	136.6	200.8	266.8
1988	17.3	132.0	198.4	272.8	14.7	134.1	196.1	270.3
1989	17.1	133.3	210.6	280.5	14.5	136.5	208.6	278.5
1990	17.6	135.9	213.1	286.4	14.8	139.5	211.2	285.1
1991	18.3	138.4	232.6	299.7	15.5	141.7	230.6	297.0
1992	17.4	143.9	222.8	283.9	14.7	148.4	220.6	279.2
1993	18.0	145.7	254.7	296.9	15.4	149.1	252.7	297.7
1994	18.2	149.0	286.4	318.9	15.4	153.2	283.1	319.1
1995	18.1	150.3	287.4	324.5	15.4	155.2	285.9	320.4
1996	17.6	142.5	270.7	297.4	14.9	146.7	268.8	297.4

(a) Age-standardised rates are expressed per 100,000 woman-years and are age-standardised to the Australian 1991 Population Standard (Aust 1991) and the World Standard Population (World). See 'Methods' pages 3 and 4.

Table A12: Age-standardised mortality rates of breast cancer in Australian women, in four age groups, 1982–1996

Year	AS Rates (Aust 1991)				AS Rates (World)			
	Age group				Age group			
	15–39	40–49	50–69	70+	15–39	40–49	50–69	70+
1982	3.6	27.3	68.3	125.5	3.0	28.0	67.6	123.1
1983	2.9	26.4	72.1	123.1	2.4	27.1	71.2	122.4
1984	3.2	29.9	70.9	133.0	2.7	30.8	69.7	130.1
1985	4.0	29.9	71.3	125.1	3.3	31.0	69.7	121.7
1986	3.6	27.7	69.0	122.0	3.0	28.3	67.4	119.4
1987	3.6	28.0	70.8	128.3	3.1	28.6	70.0	125.4
1988	3.0	27.2	71.9	131.7	2.6	28.0	70.7	128.1
1989	3.5	30.4	71.3	131.0	2.9	31.1	70.1	127.2
1990	2.8	28.9	70.9	126.5	2.4	29.6	69.5	123.2
1991	3.5	29.3	70.0	130.8	3.0	29.9	68.9	128.7
1992	3.4	28.9	62.7	125.5	2.8	29.9	61.8	122.9
1993	3.2	25.5	71.0	130.6	2.6	26.5	69.8	125.2
1994	3.2	28.1	68.5	131.5	2.7	28.9	67.5	127.6
1995	2.4	25.3	69.1	126.6	2.0	26.3	67.7	122.3
1996	3.5	25.3	64.9	121.0	3.0	25.8	63.7	117.3

(a) Age-standardised rates are expressed per 100,000 woman-years and are age-standardised to the Australian 1991 Population Standard (Aust 1991) and the World Standard Population (World). See 'Methods' pages 3 and 4.

Table A13: Age-standardised incidence and mortality rates^(a) of breast cancer in urban and rural areas of Australia, in four age groups and all ages, 1987–1991 and 1992–1996

Year	AS Rate (Aust 1991)			AS Rate (World)		
	Urban	Rural	Australia	Urban	Rural	Australia
Incidence						
1987–1991						
15–39	18.0	17.1	17.9	15.2	14.5	15.1
40–49	136.2	127.1	134.8	139.4	129.8	137.9
50–69	214.8	196.4	211.9	212.5	194.9	209.7
70+	282.9	269.7	282.7	280.7	265.2	279.8
All ages	83.5	77.8	82.7	67.6	62.7	66.9
1992–1996						
15–39	17.9	16.9	17.8	15.2	14.3	15.2
40–49	148.5	134.8	146.3	152.8	138.9	150.5
50–69	265.6	253.1	264.8	263.6	250.5	262.6
70+	302.7	296.8	304.4	301.0	295.6	302.9
All ages	95.4	90.5	95.0	78.2	73.9	77.8
Mortality						
1987–1991						
15–39	3.2	3.6	3.3	2.7	3.0	2.8
40–49	29.0	28.3	28.8	29.6	29.0	29.5
50–69	71.6	69.5	71.0	70.5	68.5	69.9
70+	129.1	131.5	129.7	126.4	127.2	126.5
All ages	27.1	27.0	27.0	20.9	20.6	20.8
1992–1996						
15–39	3.2	3.0	3.1	2.6	2.5	2.6
40–49	26.6	26.5	26.6	27.5	27.2	27.4
50–69	67.8	65.7	67.2	66.7	64.5	66.0
70+	128.8	122.2	126.9	124.6	118.7	122.9
All ages	26.1	25.1	25.8	19.9	19.3	19.7

(a) Age-standardised rates are expressed per 100,000 woman-years and are age-standardised to the Australian 1991 Population Standard (Aust 1991) and the World Standard Population (World). See 'Methods' pages 3 and 4.

Table A14: Age distribution of the Australian Standard Population (1991) and the World Standard Population

Age	Australian Standard Population (1991) ^(a)		World Standard Population ^(b)	
		% of total		% of total
0-4	1,271,703	7.4	12,000	12.0
5-9	1,272,208	7.4	10,000	10.0
10-14	1,241,619	7.2	9,000	9.0
15-19	1,364,074	7.9	9,000	9.0
20-24	1,396,764	8.1	8,000	8.0
25-29	1,399,663	8.1	8,000	8.0
30-34	1,425,735	8.2	6,000	6.0
35-39	1,328,387	7.7	6,000	6.0
40-44	1,294,271	7.5	6,000	6.0
45-49	1,029,145	6.0	6,000	6.0
50-54	846,934	4.9	5,000	5.0
55-59	725,950	4.2	4,000	4.0
60-64	736,868	4.3	4,000	4.0
65-69	671,390	3.9	3,000	3.0
70-74	510,755	3.0	2,000	2.0
75-79	384,495	2.2	1,000	1.0
80-84	229,828	1.3	500	0.5
85+	154,247	0.9	500	0.5
Total	17,284,036	100.0	100,000	100.0

(a) Australian Bureau of Statistics (1993).

(b) Smith (1992).

Glossary and abbreviations

AACR: Australasian Association of Cancer Registries

ACT: Australian Capital Territory – a landlocked Territory of Australia situated within the State of New South Wales on the eastern seaboard with a population of 304,805 (1995). Its capital city is Canberra, which is also Australia's capital city.

AIHW: Australian Institute of Health and Welfare

AS Rate: age-standardised rate

Cancer (malignant neoplasm): a term used to describe one of several diseases that result when the process of cell division, by which tissues normally grow and renew themselves, becomes uncontrolled and leads to the development of malignant cells. These malignant cells multiply in an uncoordinated way, independently of normal growth-control mechanisms, to form a tumour. This tumour may expand locally by invasion or systemically by metastasis via the lymphatic or vascular systems. If left untreated most malignant tumours eventually result in death.

Cancer death: a death for which the underlying cause is indicated as cancer. People with cancer who die of other causes are not counted in the death statistics in this publication.

CI: confidence interval

ICD-9: The ninth revision of the International Classification of Disease, a coding system used to identify the primary site of the malignancy.

Incidence: see **New cancer case**

Mortality: see **Cancer death**

NCSC: National Cancer Statistics Clearing House

New cancer case: a person who has a cancer diagnosed for the first time. A person may have more than one cancer and so may be counted twice in incidence statistics if it is decided that the two cancers are not of the same origin. This decision is based on a series of principles set out in more detail in a publication by Jensen et al. (1991).

NHL: Non-Hodgkin's lymphoma

NSW: New South Wales – a State on the eastern seaboard of Australia. It has the largest capital city in Australia, Sydney, and a population of 6,126,981 (1995).

NMSC: non-melanocytic skin cancers

NT: Northern Territory – a Territory in the north of Australia with a population of 177,552 (1995) and Darwin as its capital city.

Parity: number of children born.

PYLL: person-years of life lost

Qld: Queensland – a State in the north-east of Australia with a population of 3,265,109 (1995) and Brisbane as its capital city.

SA: South Australia – a State in the southern part of Australia with a population of 1,469,429 (1995) and Adelaide as its capital city.

Tas: Tasmania – an island State in the south-east of Australia with a population of 473,673 (1995) and Hobart as its capital city.

Vic: Victoria – a State in the south-east of Australia with a population of 4,517,387 (1995) and Melbourne as its capital city.

WA: Western Australia – the largest State in Australia, located in the west with a population of 1,733,787 (1995) and Perth as its capital city.

WHO: World Health Organization

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