

## Appendix D: Additional tables

### Additional tables for Chapter 2: Incidence of breast cancer

Table D2.1: Incidence of breast cancer by age at diagnosis, females, 2006

Age group (years)	Number of cases	Age-specific rate <sup>(a)</sup>	95% confidence interval
<20	1	0.0	0.0–0.2
20–24	9	1.2	0.6–2.4
25–29	56	8.0	6.1–10.4
30–34	188	25.1	21.7–29.0
35–39	473	61.7	56.2–67.5
40–44	981	127.1	119.3–135.4
45–49	1,375	182.3	172.8–192.2
50–54	1,573	229.7	218.4–241.3
55–59	1,737	273.2	260.5–286.3
60–64	1,722	349.2	332.9–366.1
65–69	1,366	345.6	327.5–364.4
70–74	973	297.3	278.9–316.6
75–79	821	273.8	255.4–293.2
80–84	708	295.5	274.2–318.1
85+	631	289.8	267.6–313.3
<b>Total<sup>(b)</sup></b>	<b>12,614</b>	<b>112.4</b>	<b>110.4–114.4</b>

(a) Number of new cases per 100,000 females.

(b) The rate shown in this row is age-standardised to the Australian population as at 30 June 2001; it is expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.2: Incidence of breast cancer, females, 1982 to 2006**

Year	Number of cases	% of all cancer cases <sup>(a)</sup>	Age-standardised rate (A) <sup>(b)</sup>	95% confidence interval	Age-standardised rate (W) <sup>(c)</sup>	95% confidence interval
1982	5,289	24.1	80.7	78.5–83.0	63.4	61.7–65.2
1983	5,361	23.7	80.6	78.4–82.8	63.0	61.3–64.8
1984	5,699	24.0	83.4	81.2–85.6	65.3	63.6–67.0
1985	5,903	24.1	84.2	82.0–86.4	66.0	64.3–67.7
1986	6,079	24.2	85.1	82.9–87.3	66.3	64.6–68.0
1987	6,687	25.1	91.2	89.0–93.4	71.6	69.9–73.4
1988	6,730	24.8	89.6	87.4–91.8	70.3	68.6–72.0
1989	7,166	25.7	93.4	91.3–95.6	73.3	71.6–75.1
1990	7,406	25.8	94.7	92.5–96.9	74.3	72.6–76.1
1991	8,042	26.3	100.4	98.2–102.6	78.8	77.0–80.6
1992	8,034	25.6	98.3	96.1–100.5	77.3	75.6–79.1
1993	8,785	27.1	105.3	103.1–107.5	83.2	81.4–85.0
1994	9,746	28.5	114.1	111.9–116.5	90.3	88.4–92.1
1995	10,050	28.4	115.6	113.3–117.9	91.2	89.4–93.1
1996	9,745	27.4	109.3	107.1–111.5	86.4	84.6–88.2
1997	10,194	27.7	111.5	109.3–113.7	88.0	86.3–89.8
1998	10,722	28.3	114.5	112.3–116.7	90.5	88.8–92.3
1999	10,652	27.7	111.2	109.1–113.3	88.3	86.6–90.0
2000	11,347	28.3	115.6	113.5–117.8	91.8	90.1–93.5
2001	11,803	28.7	117.3	115.2–119.4	93.1	91.4–94.9
2002	12,065	28.2	117.2	115.1–119.3	93.2	91.5–95.0
2003	11,845	27.9	112.4	110.4–114.4	89.4	87.7–91.0
2004	12,186	27.7	113.3	111.3–115.3	90.0	88.4–91.7
2005	12,213	27.2	111.2	109.2–113.2	88.6	87.0–90.2
2006	12,614	27.7	112.4	110.4–114.4	89.7	88.1–91.3

(a) Includes cancers coded in ICD-10 as C00–C97, D45, D46, D47.1 and D47.3 with the exception of those C44 codes which indicate a basal or squamous cell carcinoma of the skin. Due to changes over time in which cancers were reportable, the data on cancers that begin with an ICD-10 code of 'D' may be incomplete before 2003 and data on C44 codes (other than basal or squamous cell carcinomas) may be incomplete before 2001.

(b) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

(c) Standardised using the World Health Organization 2000 World Standard Population and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.3: Incidence of breast cancer by age at diagnosis, females, 1982 to 2006**

Year	<40 years			40–49 years			50–69 years			70+ years			All ages		
	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	
1982	11.8	10.8–12.9	118.3	110.8–126.1	174.0	167.1–181.2	249.8	237.0–263.1	80.7	78.5–83.0					
1983	11.4	10.4–12.5	122.8	115.2–130.7	167.3	160.5–174.3	258.3	245.5–271.6	80.6	78.4–82.8					
1984	11.0	10.1–12.0	123.1	115.7–130.8	178.6	171.5–185.8	266.7	254.0–279.9	83.4	81.2–85.6					
1985	12.0	11.0–13.0	122.9	115.7–130.6	180.4	173.4–187.6	265.4	253.0–278.4	84.2	82.0–86.4					
1986	11.0	10.1–12.0	118.9	111.8–126.3	184.1	177.0–191.5	279.6	267.0–292.6	85.1	82.9–87.3					
1987	13.1	12.1–14.1	136.1	128.7–143.7	196.8	189.5–204.2	279.0	266.6–291.8	91.2	89.0–93.4					
1988	11.7	10.8–12.7	133.8	126.7–141.2	194.5	187.3–201.8	279.0	266.7–291.6	89.6	87.4–91.8					
1989	11.8	10.8–12.8	136.8	129.7–144.1	207.9	200.5–215.5	287.0	274.7–299.6	93.4	91.3–95.6					
1990	12.1	11.1–13.1	139.5	132.5–146.7	209.3	201.9–216.9	291.7	279.5–304.3	94.7	92.5–96.9					
1991	12.7	11.7–13.7	140.3	133.5–147.5	230.1	222.4–238.0	304.5	292.3–317.2	100.4	98.2–102.6					
1992	12.0	11.0–12.9	148.6	141.7–155.8	222.0	214.5–229.7	289.4	277.7–301.6	98.3	96.1–100.5					
1993	12.5	11.5–13.5	148.7	141.9–155.7	250.6	242.6–258.7	301.7	289.8–313.9	105.3	103.1–107.5					
1994	12.6	11.6–13.6	153.2	146.4–160.2	282.7	274.4–291.2	322.1	310.0–334.5	114.1	111.9–116.5					
1995	12.4	11.5–13.4	154.5	147.8–161.5	285.2	276.9–293.7	331.5	319.4–343.9	115.6	113.3–117.9					
1996	12.3	11.4–13.3	147.9	141.4–154.6	269.1	261.1–277.2	307.5	296.1–319.3	109.3	107.1–111.5					
1997	12.6	11.7–13.6	144.1	137.7–150.6	277.2	269.3–285.3	319.2	307.7–331.0	111.5	109.3–113.7					
1998	12.5	11.6–13.5	148.3	141.9–154.9	288.4	280.4–296.5	322.0	310.6–333.7	114.5	112.3–116.7					
1999	12.4	11.5–13.4	142.3	136.1–148.7	286.9	279.1–294.9	298.6	287.8–309.8	111.2	109.1–113.3					
2000	12.6	11.6–13.5	150.5	144.2–157.1	295.2	287.4–303.1	315.6	304.6–326.9	115.6	113.5–117.8					
2001	12.2	11.3–13.2	150.2	143.9–156.7	304.8	297.0–312.8	316.1	305.2–327.3	117.3	115.2–119.4					
2002	12.6	11.7–13.6	152.9	146.6–159.3	304.4	296.8–312.2	309.2	298.5–320.3	117.2	115.1–119.3					
2003	13.0	12.1–14.0	150.3	144.1–156.7	285.7	278.3–293.1	298.1	287.7–308.9	112.4	110.4–114.4					
2004	12.7	11.8–13.7	149.2	143.1–155.5	289.2	281.9–296.6	304.3	293.7–315.1	113.3	111.3–115.3					
2005	13.0	12.1–14.0	157.0	150.8–163.4	279.7	272.7–286.9	287.2	277.0–297.7	111.2	109.2–113.2					
2006	12.9	12.0–13.9	153.6	147.4–159.9	287.7	280.6–294.8	288.9	278.7–299.3	112.4	110.4–114.4					

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.4: Projected<sup>(a)</sup> breast cancer incidence, females, 2007 to 2015**

<b>Year</b>	<b>Number of cases</b>	<b>95% prediction interval</b>	<b>Age-standardised rate (A)<sup>(b)</sup></b>	<b>95% prediction interval</b>	<b>Age-standardised rate (W)<sup>(c)</sup></b>	<b>95% prediction interval</b>
2007	13,021	12,615–13,427	113.2	109.7–116.7	90.4	87.5–93.2
2008	13,307	12,869–13,745	113.1	109.5–116.7	90.4	87.4–93.4
2009	13,599	13,127–14,071	113.0	109.2–116.9	90.4	87.2–93.6
2010	13,898	13,388–14,408	112.9	108.9–117.0	90.4	87.1–93.8
2011	14,204	13,653–14,756	112.8	108.6–117.1	90.4	86.9–94.0
2012	14,509	13,917–15,101	112.8	108.3–117.3	90.5	86.7–94.2
2013	14,814	14,177–15,451	112.7	108.0–117.4	90.5	86.6–94.4
2014	15,111	14,426–15,797	112.6	107.6–117.6	90.5	86.4–94.6
2015	15,409	14,672–16,145	112.5	107.3–117.7	90.5	86.2–94.8

(a) The projections are based on breast cancer incidence data for females for 1997 to 2006.

(b) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

(c) Standardised using the World Health Organization 2000 World Standard Population and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.5: International comparison of estimated incidence of breast cancer, females, 2002<sup>(a)</sup>**

<b>Region or country</b>	<b>Estimated number of cases</b>	<b>Age-standardised rate<sup>(b)</sup></b>	<b>95% confidence interval<sup>(c)</sup></b>
Northern America	229,631	99.4	99.0–99.8
New Zealand	2,330	91.9	88.2–95.6
Western Europe	125,604	84.6	84.1–85.1
<b>Australia</b>	<b>11,176</b>	<b>83.2</b>	<b>81.7–84.7</b>
Northern Europe	62,425	82.5	81.9–83.1
Southern Europe	72,458	62.4	61.9–62.9
Micronesia	99	50.4	40.5–60.3
South America	75,907	46.0	45.7–46.3
Central and Eastern Europe	100,262	42.6	42.3–42.9
<b>World</b>	<b>1,151,298</b>	<b>37.4</b>	<b>37.3–37.5</b>
Polynesia	84	34.2	26.9–41.5
Southern Africa	6,474	33.4	32.6–34.2
Western Asia	25,163	33.3	32.9–33.7
Caribbean	6,424	32.9	32.1–33.7
Western Africa	21,397	27.8	27.4–28.2
Central America	14,240	25.9	25.5–26.3
South-Eastern Asia	58,495	25.5	25.3–25.7
Northern Africa	16,588	23.2	22.8–23.6
Melanesia	474	22.2	20.2–24.2
South-Central Asia	133,802	21.8	21.7–21.9
Eastern Asia	167,525	20.6	20.5–20.7
Eastern Africa	15,564	19.5	19.2–19.8
Middle Africa	5,173	16.5	16.1–16.9

(a) The data were estimated for 2002 and are based on data from approximately 3 to 5 years earlier.

(b) Standardised using the World Health Organization 2000 World Standard Population and expressed per 100,000 females.

(c) The confidence intervals are approximations (see Appendix B).

Source: Ferlay et al. 2004.

**Table D2.6: Incidence of breast cancer by histology group and type<sup>(a)</sup>, females, 2006**

Type of breast cancer (ICD-O-3 codes)	Number of cases	% of total breast cancers
<b>Group 1: Invasive ductal carcinoma</b>	<b>9,933</b>	<b>78.7</b>
Infiltrating duct carcinoma, not otherwise specified (8500)	9,414	74.6
Infiltrating duct and lobular carcinoma (8522)	271	2.1
Infiltrating duct mixed with other types of carcinoma (8523)	125	1.0
Paget disease and intraductal carcinoma of breast (8543)	53	0.4
Paget disease and infiltrating duct carcinoma of breast (8541)	50	0.4
Infiltrating ductular carcinoma (8521)	20	0.2
Carcinoma simplex (8231) <sup>(b)</sup>	0	0.0
<b>Group 2: Invasive lobular carcinoma</b>	<b>1,354</b>	<b>10.7</b>
Lobular carcinoma, not otherwise specified (8520)	1,332	10.6
Infiltrating lobular mixed with other types of carcinoma (8524)	22	0.2
<b>Group 3: Medullary carcinoma and atypical medullary carcinoma</b>	<b>49</b>	<b>0.4</b>
Medullary carcinoma, not otherwise specified (8510)	32	0.3
Atypical medullary carcinoma (8513)	17	0.1
Medullary carcinoma with lymphoid stroma (8512)	0	0.0
<b>Group 4: Tubular carcinoma and invasive cribriform carcinoma</b>	<b>193</b>	<b>1.5</b>
Tubular adenocarcinoma (8211)	179	1.4
Cribriform carcinoma, not otherwise specified (8201)	14	0.1
<b>Group 5: Mucinous carcinoma</b>	<b>235</b>	<b>1.9</b>
Mucinous adenocarcinoma (8480)	231	1.8
Mucin-producing adenocarcinoma (8481)	3	0.0
Other <sup>(c)</sup>	1	0.0
<b>Group 6: Invasive papillary carcinoma</b>	<b>58</b>	<b>0.5</b>
Intraductal papillary adenocarcinoma with invasion (8503)	31	0.2
Papillary adenocarcinoma, not otherwise specified (8260)	16	0.1
Papillary carcinoma, not otherwise specified (8050)	11	0.1
Papillary cystadenocarcinoma, not otherwise specified (8450)	0	0.0
<b>Group 7: Inflammatory carcinoma</b>	<b>9</b>	<b>0.1</b>
Inflammatory carcinoma (8530)	9	0.1

(continued)

**Table D2.6 (continued): Incidence of breast cancer by histology group and type<sup>(a)</sup>, females, 2006**

Type of breast cancer (ICD-O-3 codes)	Number of cases	% of total breast cancers
<b>Group 8: Other—specified</b>	<b>269</b>	<b>2.1</b>
Adenocarcinoma, not otherwise specified (8140)	96	0.8
Metaplastic carcinoma, not otherwise specified (8575)	38	0.3
Phyllodes tumour, malignant (9020)	25	0.2
Paget disease, mammary (8540)	16	0.1
Intraductal micropapillary carcinoma, invasive (8507)	14	0.1
Intracystic carcinoma, not otherwise specified (8504)	12	0.1
Apocrine adenocarcinoma (8401)	10	0.1
Neuroendocrine carcinoma, not otherwise specified (8246)	5	0.0
Other <sup>(d)</sup>	53	0.4
<b>Group 9: Unspecified</b>	<b>514</b>	<b>4.1</b>
Carcinoma, not otherwise specified (8010)	310	2.5
Neoplasm, malignant (8000)	204	1.6
Tumour cells, malignant (8001)	0	0.0
<b>Total</b>	<b>12,614</b>	<b>100.0</b>

(a) For the purpose of this study, breast cancer histology types have been categorised by National Breast and Ovarian Cancer Centre (NBOCC) as shown in this table. The relevant ICD-O-3 histology codes are indicated. All cases were coded by cancer registries as primary site breast cancers. A number of the histology types shown are no longer in general use but were employed in cancer registration in earlier years. All were used by the registries for invasive cancer.

(b) While approximately 100 breast cancer cases were assigned this code each year in the early 1980s, it has been infrequently assigned since the mid-1980s.

(c) Includes Signet ring cell carcinoma (8490) and Mucoepidermoid carcinoma (8430).

(d) Includes all other specified histology types that are not included elsewhere.

Source: Australian Cancer Database, AIHW.

**Table D2.7: Incidence of breast cancer by remoteness area<sup>(a)</sup>, females, 2002–2006**

Remoteness area <sup>(a)</sup>	Average annual number of cases <sup>(b)</sup>	Age-standardised rate <sup>(c)</sup>	95% confidence interval
Major cities	8,340	117.4	116.2–118.5
Inner regional	2,569	107.8	105.9–109.7
Outer regional	1,085	99.8	97.2–102.5
Remote	134	95.0	87.9–102.5
Very remote	48	76.6	66.7–87.2
Not stated	9	..	..
<b>Total</b>	<b>12,185</b>	<b>113.2</b>	<b>112.3–114.2</b>

(a) Measured using the Australian Standard Geographical Classification Remoteness Area classification.

(b) Numbers may not sum to the total due to rounding.

(c) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.8: Incidence of breast cancer by socioeconomic status<sup>(a)</sup>, females, 2002–2006**

<b>Socioeconomic status<sup>(a)</sup></b>	<b>Average annual number of cases<sup>(b)</sup></b>	<b>Age-standardised rate<sup>(c)</sup></b>	<b>95% confidence interval</b>
1 (lowest)	2,320	108.2	106.2–110.2
2	2,448	109.9	107.9–111.9
3	2,365	112.9	110.9–115.0
4	2,352	113.6	111.5–115.6
5 (highest)	2,669	120.0	117.9–122.0
Not stated	30	..	..
<b>Total</b>	<b>12,185</b>	<b>113.2</b>	<b>112.3–114.2</b>

(a) Measured using the ABS Socio-Economic Index for Areas (SEIFA) Index of Relative Socio-economic Disadvantage.

(b) Numbers may not sum to the total due to rounding.

(c) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.9: Incidence of breast cancer by Indigenous status, females, Queensland, Western Australia, South Australia and the Northern Territory, 2002–2006**

<b>Indigenous status</b>	<b>Average annual number of cases<sup>(a)</sup></b>	<b>Age-standardised rate<sup>(b)</sup></b>	<b>95% confidence interval</b>
Indigenous	47	69.1	59.5–79.7
Non-Indigenous	4,046	103.1	101.7–104.6
Not stated	460	..	..
<b>Total</b>	<b>4,553</b>	<b>113.9</b>	<b>112.4–115.4</b>

(a) Numbers may not sum to the total due to rounding.

(b) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.



**Table D2.10: Incidence of breast cancer by country/region of birth<sup>(a)</sup>, females, 2002–2006**

Country/region of birth <sup>(a)</sup>	Average annual number of cases <sup>(b)</sup>	Age-standardised rate <sup>(c)</sup>	95% confidence interval
Australia	7,823	108.2	107.2–109.3
New Zealand (NZ)	223	105.2	98.7–112.0
Oceania and Antarctica excl. Australia and NZ	67	111.3	98.6–125.2
United Kingdom (UK) and Ireland	1,164	110.6	107.7–113.6
North-West Europe, excl. UK and Ireland	326	111.4	105.4–117.6
Southern and Eastern Europe	694	82.7	79.6–85.9
North Africa and the Middle East	156	102.3	95.1–109.9
South-East Asia	281	77.9	73.5–82.5
North-East Asia	154	71.3	66.1–76.8
Southern and Central Asia	108	85.2	78.1–92.7
Sub-Saharan Africa	92	95.9	87.0–105.5
United States of America (USA) and Canada	62	130.3	114.8–147.0
Americas, excl. USA and Canada	49	80.9	70.5–92.3
Inadequately described, not stated or unknown	987	..	..
<b>Total</b>	<b>12,185</b>	<b>113.2</b>	<b>112.3–114.2</b>

(a) Country of birth is classified according to the Standard Australian Classification of Countries, 2nd edition (ABS 2008c).

(b) Numbers may not sum to the total due to rounding.

(c) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: Australian Cancer Database, AIHW.

**Table D2.11: Incidence of ductal carcinoma in situ, females, 1995 to 2005**

Year	Number of cases	Age-standardised rate <sup>(a)</sup>	95% confidence interval
1995 <sup>(b)</sup>	824	10.7	9.9–11.4
1996 <sup>(b)</sup>	832	10.4	9.7–11.1
1997	1,042	11.7	11.0–12.4
1998	1,179	12.8	12.1–13.6
1999	1,200	12.8	12.1–13.5
2000	1,309	13.6	12.9–14.4
2001	1,447	14.7	13.9–15.4
2002	1,390	13.8	13.0–14.5
2003	1,436	13.9	13.1–14.6
2004	1,532	14.5	13.8–15.2
2005	1,558	14.4	13.7–15.1

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

(b) No data for South Australia and the Northern Territory were provided for 1995 and no data for South Australia were provided for 1996. The rates for those years apply to females in the states and territories for which data were provided.

Source: AIHW analyses of data supplied by state/territory cancer registries.

**Table D2.12: Incidence of ductal carcinoma in situ by age at diagnosis, females, 1995 to 2005**

Year	<50 years		50–69 years		70+ years		All ages	
	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI
1995 <sup>(b)</sup>	3.6	3.1–4.1	31.4	28.5–34.4	21.4	18.2–24.9	10.7	9.9–11.4
1996 <sup>(b)</sup>	3.9	3.4–4.4	30.3	27.5–33.2	18.9	16.0–22.2	10.4	9.7–11.2
1997	4.4	3.9–5.0	35.1	32.3–38.0	18.1	15.5–21.1	11.7	11.0–12.4
1998	4.3	3.9–4.9	38.3	35.5–41.4	24.4	21.3–27.8	12.8	12.1–13.6
1999	4.1	3.7–4.7	40.3	37.4–43.4	21.3	18.5–24.5	12.8	12.1–13.5
2000	4.2	3.7–4.7	42.4	39.4–45.5	25.6	22.5–29.1	13.6	12.9–14.4
2001	4.2	3.8–4.8	47.3	44.3–50.5	25.9	22.8–29.3	14.7	13.9–15.4
2002	4.4	3.9–4.9	43.1	40.2–46.1	24.1	21.1–27.4	13.8	13.1–14.5
2003	4.0	3.5–4.5	42.9	40.1–45.9	28.5	25.2–32.1	13.9	13.1–14.6
2004	4.5	4.1–5.1	45.1	42.3–48.1	26.7	23.5–30.1	14.5	13.8–15.3
2005	4.4	4.0–5.0	44.4	41.7–47.4	27.5	24.3–31.0	14.4	13.7–15.1

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

(b) No data for South Australia and the Northern Territory were provided for 1995 and no data for South Australia were provided for 1996. The rates for those years apply to females in the states and territories for which data were provided.

Source: AIHW analyses of data supplied by state/territory cancer registries.

**Table D2.13: Incidence of breast cancer by type of breast cancer<sup>(a)</sup>, males, 2002–2006**

Type of breast cancer	Average annual number of cases <sup>(b)</sup>	% of total breast cancers
Group 1: Invasive ductal carcinoma	85	86.0
Infiltrating duct carcinoma, not otherwise specified	80	81.5
Group 2: Invasive lobular carcinoma	2	1.8
Group 3: Medullary carcinoma and atypical medullary carcinoma	0	0.0
Group 4: Tubular carcinoma and invasive cribriform carcinoma	0	0.0
Group 5: Mucinous carcinoma	1	0.8
Group 6: Invasive papillary carcinoma	3	2.8
Group 7: Inflammatory carcinoma	0	0.0
Group 8: Other–specified	4	4.5
Group 9: Unspecified	4	4.1
<b>Total</b>	<b>98</b>	<b>100.0</b>

(a) Appendix Table D2.6 provides a list of the histology types included in each group.

(b) Numbers may not sum to the total due to rounding.

Source: Australian Cancer Database, AIHW.

## Additional tables for Chapter 3: Mortality from breast cancer

Table D3.1: Mortality from breast cancer and all cancers by age at death, females, 2006

Age group (years)	Breast cancer			All cancers		
	Number of deaths	Age-specific rate <sup>(a)</sup>	95% confidence interval	Number of deaths	Age-specific rate <sup>(a)</sup>	95% confidence interval
<20	0	0	..	69	2.6	2.0–3.3
20–24	2	0.3	0.0–1.0	26	3.6	2.3–5.3
25–29	3	0.4	0.1–1.3	39	5.6	4.0–7.7
30–34	13	1.7	0.9–3.0	78	10.4	8.2–13.0
35–39	53	6.9	5.2–9.0	169	22.0	18.8–25.6
40–44	107	13.9	11.4–16.8	303	39.3	35.0–43.9
45–49	153	20.3	17.2–23.8	563	74.7	68.6–81.1
50–54	237	34.6	30.3–39.3	849	124.0	115.8–132.6
55–59	302	47.5	42.3–53.2	1,226	192.8	182.2–203.9
60–64	286	58.0	51.5–65.1	1,409	285.7	271.0–301.0
65–69	236	59.7	52.3–67.8	1,647	416.7	396.8–437.3
70–74	249	76.1	66.9–86.1	1,951	596.2	570.0–623.2
75–79	263	87.7	77.4–99.0	2,559	853.4	820.6–887.1
80–84	319	133.2	118.9–148.6	2,833	1,182.5	1,139.4–1,226.9
85+	395	181.4	164.0–200.2	3,402	1,562.4	1,510.4–1,615.8
<b>Total<sup>(b)</sup></b>	<b>2,618</b>	<b>22.1</b>	<b>21.3–23.0</b>	<b>17,123</b>	<b>141.0</b>	<b>138.9–143.2</b>

(a) Number of deaths per 100,000 females.

(b) The rates shown in this row are age-standardised to the Australian population as at 30 June 2001; they are expressed per 100,000 females.

Source: National Mortality Database, AIHW.

**Table D3.2: Mortality from breast cancer by year of death registration<sup>(a)</sup>, females, 1907 to 2006**

<b>Year</b>	<b>ASR<sup>(b)</sup></b>	<b>Year</b>	<b>ASR<sup>(b)</sup></b>	<b>Year</b>	<b>ASR<sup>(b)</sup></b>
1907	21.8	1941	34.3	1975	28.6
1908	22.3	1942	32.0	1976	29.7
1909	20.4	1943	35.0	1977	29.4
1910	22.1	1944	31.5	1978	27.5
1911	21.8	1945	32.0	1979	28.1
1912	26.0	1946	32.5	1980	28.2
1913	23.0	1947	33.1	1981	28.9
1914	22.6	1948	33.1	1982	29.8
1915	20.4	1949	31.9	1983	29.5
1916	24.4	1950	30.5	1984	29.8
1917	22.1	1951	29.2	1985	30.7
1918	22.1	1952	32.6	1986	30.2
1919	23.9	1953	31.9	1987	30.0
1920	22.2	1954	31.8	1988	30.5
1921	24.7	1955	31.2	1989	30.8
1922	27.8	1956	30.4	1990	30.4
1923	27.4	1957	29.0	1991	30.5
1924	26.3	1958	28.8	1992	28.9
1925	28.0	1959	30.5	1993	30.5
1926	26.2	1960	28.8	1994	30.0
1927	29.2	1961	30.7	1995	28.9
1928	29.7	1962	27.8	1996	28.1
1929	28.3	1963	29.9	1997	27.8
1930	26.4	1964	30.9	1998	26.5
1931	29.6	1965	28.3	1999	25.4
1932	29.3	1966	28.9	2000	24.7
1933	28.8	1967	30.2	2001	24.7
1934	30.9	1968	29.2	2002	25.1
1935	30.7	1969	29.2	2003	24.6
1936	32.4	1970	29.1	2004	23.4
1937	29.3	1971	30.3	2005	23.6
1938	32.6	1972	28.5	2006	22.2
1939	30.8	1973	29.2		
1940	31.3	1974	29.4		

(a) These data are based on year of registration of death rather than year of death.

(b) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females. The 1968 to 1996 data were adjusted from earlier ICD standards to ICD-10 standards using a factor of 0.98. The pre-1968 data were not adjusted.

Source: National General Record of Incidence of Mortality (GRIM) Books, AIHW.

**Table D3.3: Mortality from breast cancer by age at death, females, 1982 to 2006**

Year	<50 years		50–69 years		70+ years		All ages	
	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI
1982	7.5	6.7–8.4	65.6	61.3–70.0	127.6	118.4–137.3	29.7	28.4–31.1
1983	6.9	6.2–7.8	68.5	64.2–73.0	124.2	115.4–133.6	29.6	28.3–31.0
1984	7.8	7.0–8.7	67.8	63.5–72.3	133.9	124.8–143.4	31.0	29.7–32.3
1985	8.2	7.4–9.1	67.4	63.1–71.8	126.3	117.7–135.4	30.5	29.2–31.9
1986	7.6	6.8–8.4	65.3	61.1–69.6	123.1	114.8–131.9	29.3	28.1–30.6
1987	7.6	6.9–8.4	68.0	63.7–72.5	129.8	121.3–138.7	30.5	29.3–31.8
1988	7.2	6.5–8.0	68.2	64.0–72.6	133.6	125.1–142.5	30.6	29.4–31.9
1989	8.0	7.3–8.8	67.7	63.5–72.0	132.8	124.4–141.5	31.0	29.8–32.3
1990	7.4	6.7–8.1	67.3	63.2–71.6	127.9	119.9–136.4	30.0	28.8–31.3
1991	7.8	7.1–8.6	66.9	62.8–71.2	131.7	123.7–140.2	30.6	29.4–31.9
1992	7.7	7.0–8.5	60.0	56.1–64.0	126.8	119.1–134.9	28.7	27.6–29.9
1993	7.0	6.3–7.7	67.4	63.4–71.7	132.4	124.6–140.5	30.2	29.0–31.4
1994	7.5	6.8–8.2	65.4	61.4–69.5	132.8	125.1–140.8	30.2	29.0–31.3
1995	6.5	5.8–7.1	65.1	61.2–69.2	128.2	120.8–136.0	29.0	27.9–30.1
1996	7.0	6.4–7.7	61.4	57.6–65.3	122.3	115.1–129.7	28.1	27.0–29.2
1997	7.2	6.6–7.9	60.6	56.9–64.4	118.6	111.7–125.9	27.8	26.7–28.9
1998	6.4	5.8–7.0	56.6	53.1–60.3	118.1	111.3–125.2	26.4	25.3–27.4
1999	6.4	5.8–7.1	55.8	52.4–59.4	110.1	103.6–116.9	25.5	24.5–26.5
2000	5.9	5.4–6.5	51.7	48.5–55.1	114.7	108.1–121.5	24.7	23.8–25.7
2001	5.8	5.2–6.3	52.3	49.1–55.6	115.4	109.0–122.2	24.8	23.8–25.8
2002	5.3	4.8–5.9	56.5	53.2–59.9	111.9	105.6–118.5	25.0	24.0–26.0
2003	5.5	5.0–6.1	54.1	51.0–57.4	111.9	105.6–118.4	24.7	23.8–25.6
2004	5.3	4.8–5.9	51.8	48.8–55.0	108.0	101.9–114.4	23.7	22.8–24.7
2005	5.5	5.0–6.0	51.6	48.6–54.7	105.3	99.3–111.6	23.6	22.7–24.5
2006	4.5	4.0–5.0	47.5	44.7–50.5	106.2	100.2–112.4	22.1	21.3–23.0

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females. The 1982 to 1996 data were adjusted from ICD-9 to ICD-10 standards using a factor of 0.98.

Source: National Mortality Database, AIHW.

**Table D3.4: International comparison of estimated mortality from breast cancer, females, 2002<sup>(a)</sup>**

<b>Region or country</b>	<b>Estimated number of cases</b>	<b>Age-standardised rate<sup>(b)</sup></b>	<b>95% confidence interval<sup>(c)</sup></b>
New Zealand	670	24.5	22.6–26.4
Micronesia	47	23.6	16.9–30.3
Northern Europe	19,789	22.6	22.3–22.9
Western Europe	39,297	22.3	22.1–22.5
Western Africa	14,833	19.6	19.3–19.9
Northern America	48,239	19.2	19.0–19.4
<b>Australia</b>	<b>2,667</b>	<b>18.4</b>	<b>17.7–19.1</b>
Southern Europe	24,617	18.1	17.9–18.3
Central and Eastern Europe	45,310	17.9	17.7–18.1
Northern Africa	11,751	16.7	16.4–17.0
Southern Africa	3,130	16.3	15.7–16.9
Polynesia	38	15.8	10.8–20.8
South America	24,681	15.1	14.9–15.3
Western Asia	10,738	14.3	14.0–14.6
Eastern Africa	10,974	14.1	13.8–14.4
<b>World</b>	<b>410,712</b>	<b>13.2</b>	<b>13.2–13.2</b>
Caribbean	2,478	12.7	12.2–13.2
Middle Africa	3,711	12.1	11.7–12.5
South-Eastern Asia	26,818	11.8	11.7–11.9
South-Central Asia	67,165	11.1	11.0–11.2
Central America	5,679	10.5	10.2–10.8
Melanesia	220	10.5	9.1–11.9
Eastern Asia	47,866	5.8	5.7–5.9

(a) The data were estimated for 2002 and are based on data from approximately 3 to 5 years earlier.

(b) Standardised using the World Health Organization 2000 World Standard Population and expressed per 100,000 females.

(c) The confidence intervals are approximations (see Appendix B).

Source: Ferlay et al. 2004.

**Table D3.5: Mortality from breast cancer by remoteness area<sup>(a)</sup>, females, 2002–2006**

Remoteness area <sup>(a)</sup>	Average annual number of deaths <sup>(b)</sup>	Age-standardised rate <sup>(c)</sup>	95% confidence interval
Major cities	1,747	23.4	22.9–23.9
Inner regional	615	24.6	23.7–25.5
Outer regional	275	24.5	23.2–25.9
Remote	27	20.6	17.2–24.3
Very remote	11	20.9	15.6–27.3
<b>Total</b>	<b>2,676</b>	<b>23.8</b>	<b>23.4–24.2</b>

(a) Measured using the Australian Standard Geographical Classification Remoteness Area classification.

(b) Numbers may not sum to the total due to rounding.

(c) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: National Mortality Database, AIHW.

**Table D3.6: Mortality from breast cancer by socioeconomic status<sup>(a)</sup>, females, 2002–2006**

Socioeconomic status <sup>(a)</sup>	Average annual number of deaths <sup>(b)</sup>	Age-standardised rate <sup>(c)</sup>	95% confidence interval
1 (lowest)	517	22.9	22.1–23.9
2	526	22.3	21.4–23.2
3	512	23.6	22.7–24.5
4	505	23.7	22.8–24.7
5 (highest)	615	26.5	25.5–27.4
<b>Total</b>	<b>2,676</b>	<b>23.8</b>	<b>23.4–24.2</b>

(a) Measured using the ABS Socio-Economic Index for Areas (SEIFA) Index of Relative Socio-economic Disadvantage.

(b) Numbers may not sum to the total due to rounding.

(c) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: National Mortality Database, AIHW.

**Table D3.7: Mortality from breast cancer by Indigenous status, females, Queensland, Western Australia, South Australia and the Northern Territory, 2002–2006**

Indigenous status	Average annual number of deaths <sup>(a)</sup>	Age-standardised rate <sup>(b)</sup>	95% confidence interval
Indigenous	15	24.8	18.7–32.1
Non-Indigenous	930	23.1	22.4–23.8
Not stated	9	..	..
<b>Total</b>	<b>953</b>	<b>23.4</b>	<b>22.7–24.0</b>

(a) Numbers may not sum to the total due to rounding.

(b) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: National Mortality Database, AIHW.

**Table D3.8: Mortality from breast cancer by country/region of birth<sup>(a)</sup>, females, 2002–2006**

Country/region of birth <sup>(a)</sup>	Average annual number of deaths <sup>(b)</sup>	Age-standardised rate <sup>(c)</sup>	95% confidence interval
Australia	1,867	24.4	23.9–24.9
New Zealand (NZ)	40	21.8	18.7–25.3
Oceania and Antarctica, excl. Australia and NZ	13	20.7	15.3–27.3
United Kingdom (UK) and Ireland	305	26.4	25.1–27.8
North-West Europe, excl. UK and Ireland	86	26.3	23.7–29.1
Southern and Eastern Europe	193	20.3	19.0–21.7
North Africa and the Middle East	31	22.2	18.8–26.1
South-East Asia	47	15.4	13.3–17.8
North-East Asia	24	12.6	10.4–15.2
Southern and Central Asia	20	16.5	13.4–20.2
Sub-Saharan Africa	19	22.1	17.7–27.2
United States of America (USA) and Canada	14	34.7	26.3–44.6
Americas, excl. USA and Canada	10	17.1	12.4–22.8
Inadequately described, not stated or unknown	8	..	..
<b>Total</b>	<b>2,676</b>	<b>23.8</b>	<b>23.4–24.2</b>

(a) Country of birth is classified according to the Standard Australian Classification of Countries, 2nd edition (ABS 2008c).

(b) Numbers may not sum to the total due to rounding.

(c) Standardised to the Australian population as at 30 June 2001 and expressed per 100,000 females.

Source: National Mortality Database, AIHW.



## Additional tables for Chapter 4: Survival after a diagnosis of breast cancer

Table D4.1: Relative survival (RS) by age at diagnosis, females with breast cancer, 2000–2006

Age at diagnosis (years)	1-year relative survival		5-year relative survival	
	RS (%)	95% CI	RS (%)	95% CI
<30	98.9	97.2–99.5	84.5	80.2–88.0
30–39	98.5	98.1–98.8	85.4	84.2–86.5
40–49	98.9	98.8–99.1	90.4	89.8–90.9
50–59	98.6	98.4–98.7	90.3	89.9–90.8
60–69	98.2	98.0–98.5	91.5	91.0–92.0
70–79	95.8	95.3–96.2	85.5	84.6–86.4
80+	90.2	89.3–91.1	76.1	74.1–78.0
<b>All ages</b>	<b>97.4</b>	<b>97.2–97.5</b>	<b>88.3</b>	<b>88.0–88.6</b>

Source: Australian Cancer Database, AIHW.

**Table D4.2: Relative survival (RS), females with breast cancer, 1982–1987 to 2000–2006**

Years after diagnosis	1982–1987		1988–1993		1994–1999		2000–2006	
	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI
1	93.6	93.3–93.9	95.6	95.3–95.8	96.7	96.5–96.8	97.4	97.2–97.5
2	87.0	86.6–87.4	90.9	90.6–91.2	93.4	93.1–93.6	94.9	94.7–95.1
3	81.2	80.7–81.7	86.0	85.6–86.4	90.2	89.9–90.5	92.5	92.2–92.7
4	76.5	75.9–77.0	82.3	81.9–82.8	87.6	87.3–87.9	90.4	90.1–90.6
5	72.6	72.0–73.1	79.3	78.9–79.8	85.3	84.9–85.6	88.3	88.0–88.6
6	69.4	68.8–70.0	76.7	76.3–77.2	83.3	82.9–83.7	86.7	86.4–87.1
7	66.7	66.1–67.3	74.9	74.4–75.4	81.6	81.2–82.0	85.4	85.0–85.8
8	64.5	63.8–65.1	72.9	72.4–73.4	80.2	79.8–80.6	84.3	83.8–84.8
9	62.4	61.7–63.0	71.3	70.8–71.9	79.0	78.6–79.4	83.4	82.7–84.0
10	60.7	60.0–61.3	70.0	69.4–70.5	77.8	77.3–78.2	..	..
11	59.1	58.5–59.8	68.9	68.4–69.5	76.9	76.4–77.3	..	..
12	57.9	57.2–58.6	67.8	67.2–68.4	76.0	75.5–76.5	..	..
13	56.9	56.2–57.6	66.7	66.1–67.3	75.0	74.4–75.5	..	..
14	56.0	55.3–56.7	65.7	65.1–66.3	74.0	73.4–74.7	..	..
15	55.2	54.4–55.9	64.8	64.1–65.4	73.6	72.9–74.4	..	..
16	54.2	53.5–55.0	64.2	63.5–64.8	..	..	..	..
17	53.5	52.7–54.2	63.4	62.8–64.1	..	..	..	..
18	52.8	52.1–53.6	62.7	62.0–63.4	..	..	..	..
19	52.4	51.6–53.2	62.2	61.5–63.0	..	..	..	..
20	52.0	51.2–52.8	61.8	60.9–62.6	..	..	..	..
21	51.7	50.8–52.5	60.6	59.4–61.7	..	..	..	..
22	51.3	50.4–52.1	..	..	..	..	..	..
23	50.9	50.0–51.8	..	..	..	..	..	..
24	50.6	49.7–51.6	..	..	..	..	..	..
25	50.4	49.4–51.4	..	..	..	..	..	..
26	50.4	49.3–51.5	..	..	..	..	..	..
27	50.0	48.6–51.4	..	..	..	..	..	..

Source: Australian Cancer Database, AIHW.

**Table D4.3: Five-year relative survival (RS) by age at diagnosis, females with breast cancer, 1982–1987 to 2000–2006**

Age at diagnosis (years)	1982–1987		1988–1993		1994–1999		2000–2006	
	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI
<30	71.0	65.7–75.7	71.0	65.9–75.5	76.0	71.3–80.0	84.5	80.2–88.0
30–39	73.0	71.3–74.6	76.8	75.3–78.2	81.5	80.2–82.8	85.4	84.2–86.5
40–49	77.0	75.9–78.0	82.2	81.4–83.0	87.3	86.7–88.0	90.4	89.8–90.9
50–59	71.0	69.8–72.0	80.5	79.7–81.4	88.1	87.6–88.7	90.3	89.9–90.8
60–69	73.7	72.6–74.7	81.5	80.7–82.4	87.7	87.0–88.3	91.5	91.0–92.0
70–79	71.0	69.5–72.5	77.8	76.6–79.0	84.2	83.2–85.1	85.5	84.6–86.4
80+	66.8	63.7–69.8	69.3	66.8–71.8	70.9	68.7–73.0	76.1	74.1–78.0
<b>All ages</b>	<b>72.6</b>	<b>72.0–73.1</b>	<b>79.3</b>	<b>78.9–79.8</b>	<b>85.3</b>	<b>84.9–85.6</b>	<b>88.3</b>	<b>88.0–88.6</b>

Source: Australian Cancer Database, AIHW.

**Table D4.4: International comparison of mortality-to-incidence ratios for breast cancer, females, 2002<sup>(a)</sup>**

Region or country	Mortality: ASR <sup>(b)</sup>	Incidence: ASR <sup>(b)</sup>	Mortality-to-incidence ratio <sup>(c)</sup>
Middle Africa	12.1	16.5	0.73
Eastern Africa	14.1	19.5	0.72
Northern Africa	16.7	23.2	0.72
Western Africa	19.6	27.8	0.71
South Central Asia	11.1	21.8	0.51
Southern Africa	16.3	33.4	0.49
Melanesia	10.5	22.2	0.47
Micronesia	23.6	50.4	0.47
South-Eastern Asia	11.8	25.5	0.46
Polynesia	15.8	34.2	0.46
Western Asia	14.3	33.3	0.43
Central and Eastern Europe	17.9	42.6	0.42
Central America	10.5	25.9	0.41
Caribbean	12.7	32.9	0.39
<b>World</b>	<b>13.2</b>	<b>37.4</b>	<b>0.35</b>
South America	15.1	46.0	0.33
Southern Europe	18.1	62.4	0.29
Eastern Asia	5.8	20.6	0.28
Northern Europe	22.6	82.5	0.27
New Zealand	24.5	91.9	0.27
Western Europe	22.3	84.6	0.26
<b>Australia</b>	<b>18.4</b>	<b>83.2</b>	<b>0.22</b>
Northern America	19.2	99.4	0.19

(a) The mortality and incidence rates were derived from estimates of the number of new breast cancer cases and deaths for 2002; those estimates were based on data from approximately 3 to 5 years earlier.

(b) Standardised using the World Health Organization 2000 World Standard Population and expressed per 100,000 females.

(c) Equals the age-standardised mortality rate divided by the age-standardised incidence rate.

Source: Ferlay et al. 2004.

**Table D4.5: Five-year relative survival (RS) by type of breast cancer<sup>(a)</sup> and age at diagnosis, females with breast cancer, 1982–2006**

Type of breast cancer <sup>(a)</sup>	<50 years			50–59 years			60–69 years			70+ years			All ages		
	RS (%)	95% CI		RS (%)	95% CI		RS (%)	95% CI		RS (%)	95% CI		RS (%)	95% CI	
Group 1: Invasive ductal carcinoma	84.1	83.7–84.4		85.8	85.4–86.2		86.7	86.3–87.1		83.2	82.6–83.8		84.9	84.7–85.1	
Group 2: Invasive lobular carcinoma	89.3	88.3–90.2		90.2	89.3–91.1		90.6	89.6–91.6		85.6	84.0–87.2		88.9	88.3–89.5	
Group 3: Medullary carcinoma and atypical medullary carcinoma	89.2	86.9–91.1		87.8	84.4–90.6		85.7	80.9–89.6		89.8	82.4–96.3		88.3	86.5–89.9	
Group 4: Tubular carcinoma and invasive cribriform carcinoma	99.1	98.0–99.8		100.3	99.4–100.8		98.7	97.1–100.0		99.2	95.6–102.3		99.4	98.6–100.1	
Group 5: Mucinous carcinoma	94.2	91.9–95.9		93.8	91.1–95.9		96.3	94.0–98.1		94.4	91.7–97.1		94.7	93.2–96.1	
Group 6: Invasive papillary carcinoma	88.7	81.7–93.2		88.1	81.0–93.0		97.1	92.1–100.3		96.5	90.7–101.7		94.1	91.0–96.9	
Group 7: Inflammatory carcinoma	38.2	26.7–49.6		41.3	28.1–54.1		44.0	22.0–64.8		29.6	8.5–58.7		39.0	31.3–46.7	
Group 8: Other—specified	72.7	71.1–74.3		69.7	67.8–71.5		67.4	65.5–69.3		59.6	57.5–61.7		66.8	65.9–67.8	
Group 9: Unspecified	73.8	71.8–75.7		64.7	62.5–66.9		57.6	55.4–59.8		38.4	36.8–40.0		52.5	51.5–53.5	
<b>Total</b>	<b>83.9</b>	<b>83.6–84.2</b>		<b>85.2</b>	<b>84.9–85.5</b>		<b>85.3</b>	<b>85.0–85.7</b>		<b>78.0</b>	<b>77.5–78.5</b>		<b>83.0</b>	<b>82.8–83.2</b>	

(a) Appendix Table D2.6 provides a list of the histology types included in each group.

Source: Australian Cancer Database, AIHW.

**Table D4.6: Five-year relative survival (RS) by remoteness area<sup>(a)</sup> and age at diagnosis, females with breast cancer, 1997–2004**

Age at diagnosis (years)	Major cities		Inner regional		Outer regional		Remote and Very remote		Total <sup>(b)</sup>	
	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI
<50	88.8	88.2–89.3	86.1	84.9–87.2	86.3	84.5–87.9	86.4	82.3–89.7	88.0	87.5–88.5
50–59	90.3	89.7–90.8	90.4	89.4–91.3	88.5	86.8–90.0	88.1	83.6–91.6	90.1	89.7–90.6
60–69	90.4	89.8–91.1	91.2	90.1–92.2	88.2	86.2–90.0	85.6	79.2–90.6	90.4	89.9–90.9
70+	81.5	80.5–82.5	82.9	81.1–84.6	77.9	74.8–80.9	76.4	67.3–84.5	81.6	80.8–82.4
<b>All ages</b>	<b>87.7</b>	<b>87.3–88.1</b>	<b>87.6</b>	<b>86.9–88.2</b>	<b>85.3</b>	<b>84.3–86.4</b>	<b>85.0</b>	<b>82.3–87.4</b>	<b>87.5</b>	<b>87.2–87.8</b>

(a) Measured using the Australian Standard Geographical Classification Remoteness Area classification.

(b) Includes unknown remoteness area.

Source: Australian Cancer Database, AIHW.

**Table D4.7: Five-year relative survival by socioeconomic status<sup>(a)</sup> and age at diagnosis, females with breast cancer, 2000–2004**

Age at diagnosis (years)	1 (lowest)			2			3			4			5 (highest)			Total <sup>(b)</sup>		
	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI	RS (%)	95% CI
<50	86.5	84.9–88.0	87.5	85.9–89.0	89.0	87.5–90.3	89.4	88.0–90.7	90.4	89.1–91.5	88.7	88.1–89.3						
50–59	88.1	86.5–89.6	90.7	89.3–91.9	89.5	88.1–90.9	90.9	89.6–92.1	92.0	90.9–93.0	90.4	89.8–91.0						
60–69	89.2	87.4–90.9	91.5	89.9–92.9	92.0	90.4–93.4	91.4	89.7–92.9	92.3	90.9–93.6	91.4	90.7–92.0						
70+	80.5	77.9–83.1	80.3	77.8–82.8	82.7	80.1–85.2	83.5	80.9–86.1	85.3	83.1–87.5	82.5	81.4–83.6						
<b>All ages</b>	<b>86.1</b>	<b>85.1–87.0</b>	<b>87.4</b>	<b>86.5–88.3</b>	<b>88.2</b>	<b>87.4–89.1</b>	<b>88.9</b>	<b>88.0–89.7</b>	<b>90.0</b>	<b>89.2–90.7</b>	<b>88.2</b>	<b>87.8–88.6</b>						

(a) Measured using the ABS Socio-Economic Index for Areas (SEIFA) Index of Relative Socio-economic Disadvantage.

(b) Includes unknown socioeconomic status.

Source: Australian Cancer Database, AIHW.

## Additional tables for Chapter 6: Burden of disease due to breast cancer

Table D6.1: Leading causes of burden of disease by age group, females, 2003

Age group (years)	Anxiety and depression	Ischaemic heart disease	Stroke	Type 2 diabetes	Dementia	Breast cancer	Total
	Number (Disability-adjusted life years)						
<1	0	1	115	4	32	0	33,648
1–4	0	3	216	23	63	0	17,102
5–9	2,482	4	280	44	31	0	17,509
10–14	13,025	5	372	58	30	0	28,468
15–19	17,612	77	147	58	30	0	46,769
20–24	12,333	43	332	340	1	25	47,308
25–29	14,050	180	943	1,193	1	260	47,468
30–34	12,827	487	1,309	2,586	29	1,132	51,204
35–39	13,154	821	1,007	3,561	5	2,680	53,994
40–44	14,740	1,375	1,285	4,749	83	4,971	62,561
45–49	12,538	2,843	2,421	5,348	97	6,878	68,753
50–54	8,149	3,314	2,419	5,796	495	8,382	72,671
55–59	3,719	4,845	2,169	5,746	861	9,135	76,883
60–64	1,339	6,487	2,685	5,409	1,770	7,618	80,796
65–69	300	8,653	3,712	5,682	3,389	5,835	85,204
70–74	21	12,399	5,923	5,835	6,848	4,610	99,501
75–79	29	18,661	9,370	5,922	12,627	4,102	123,380
80–84	56	21,409	11,855	4,657	15,278	2,686	116,171
85–89	63	17,922	10,643	3,078	11,184	1,524	83,590
90–94	18	9,758	6,045	1,297	5,979	554	42,345
95–99	8	2,668	1,693	330	1,632	115	11,107
100+	0	436	225	46	283	14	1,721
<b>All ages<sup>(a)</sup></b>	<b>126,464</b>	<b>112,390</b>	<b>65,166</b>	<b>61,763</b>	<b>60,747</b>	<b>60,520</b>	<b>1,268,156</b>

(a) Numbers may not sum to the total due to rounding.

Source: Begg et al. 2007b.

**Table D6.2: Leading causes of years of life lost by age group, females, 2003**

Age group (years)	Ischaemic heart disease	Stroke	Breast cancer	Lung cancer	Bowel cancer	Total
	Number of years of life lost (YLLs)					
0-1	0	62	0	0	0	15,963
1-4	0	0	0	0	0	3,639
5-9	0	1	0	0	0	1,761
10-14	1	89	0	0	1	2,165
15-19	73	147	0	0	2	5,242
20-24	24	61	3	29	32	6,032
25-29	107	155	158	30	63	6,758
30-34	363	170	734	83	332	9,907
35-39	480	487	1,714	188	396	12,735
40-44	821	771	2,964	969	820	18,068
45-49	1,709	1,292	4,320	1,426	1,396	24,130
50-54	2,002	1,029	5,180	2,828	1,878	28,458
55-59	3,001	1,046	5,960	3,559	2,007	36,117
60-64	4,349	1,923	5,093	4,623	2,742	41,742
65-69	5,923	2,700	3,937	4,434	2,884	46,533
70-74	9,119	4,482	3,147	4,781	3,176	57,117
75-79	14,882	7,610	2,981	4,643	3,180	74,389
80-84	18,207	10,112	2,088	2,604	2,623	76,046
85-89	16,116	9,354	1,213	1,056	1,512	59,969
90-94	9,040	5,391	473	259	575	32,384
95-99	2,517	1,483	104	34	113	8,696
100+	418	179	12	5	5	1,328
<b>All ages<sup>(a)</sup></b>	<b>89,152</b>	<b>48,548</b>	<b>40,080</b>	<b>31,551</b>	<b>23,735</b>	<b>569,181</b>

(a) Values may not sum to the total due to rounding.

Source: Begg et al. 2007b.



## Additional tables for Chapter 7: Mammography

**Table D7.1: Participation in the BreastScreen Australia Program by age group, females, 2005–2006<sup>(a)</sup>**

Age group (years)	Number of females	Per cent of females <sup>(b)</sup>	95% confidence interval
40–44	87,300	11.3	11.2–11.4
45–49	140,685	18.8	18.7–18.9
50–54	364,520	53.7	53.5–53.9
55–59	360,138	57.5	57.3–57.7
60–64	287,073	59.6	59.4–59.8
65–69	230,065	58.9	58.7–59.2
70–74	105,715	32.4	32.2–32.6
75–79	37,107	12.4	12.3–12.5
80–84	8,205	3.5	3.4–3.5
85+	1,673	0.8	0.7–0.8
<b>Total (aged 40+)<sup>(c)</sup></b>	<b>1,622,481</b>	<b>34.2</b>	<b>34.2–34.3</b>

(a) Period covers 1 January 2005 to 31 December 2006.

(b) Equals the number of females screened as a proportion of the average of the 2005 and 2006 ABS estimated resident population.

(c) The rate shown in this row is age-standardised to the Australian population as at 30 June 2001.

Source: AIHW analysis of BreastScreen Australia data.

**Table D7.2: Participation in the BreastScreen Australia Program by remoteness area<sup>(a)</sup>, females, 2005–2006<sup>(b)</sup>**

Remoteness area <sup>(a)</sup>	Aged 50–69 years			Aged 40+ years		
	Number of females <sup>(c)</sup>	ASR <sup>(d)</sup>	95% confidence interval	Number of females <sup>(c)</sup>	ASR <sup>(d)</sup>	95% confidence interval
Major cities	781,318	54.6	54.5–54.7	1,006,291	32.2	32.2–32.3
Inner regional	297,555	61.1	60.9–61.3	389,145	37.1	36.9–37.2
Outer regional	139,070	62.2	61.9–62.5	191,656	40.1	39.9–40.3
Remote	17,595	60.1	59.2–61.0	25,494	40.2	39.7–40.7
Very remote	6,258	49.5	48.3–50.8	9,896	35.7	34.9–36.4
<b>Total</b>	<b>1,241,796</b>	<b>56.9</b>	<b>56.8–57.0</b>	<b>1,622,481</b>	<b>34.2</b>	<b>34.2–34.3</b>

(a) Measured using the Australian Standard Geographical Classification Remoteness Area classification.

(b) Period covers 1 January 2005 to 31 December 2006.

(c) Values may not sum to the total due to rounding.

(d) Rates were calculated as the number of females screened to the average of the 2005 and 2006 ABS estimated resident population and standardised to the Australian population as at 30 June 2001. They are expressed per 100 females (i.e. as a percentage).

Source: AIHW analysis of BreastScreen Australia data.

**Table D7.3: Participation in the BreastScreen Australia Program by socioeconomic status<sup>(a)</sup>, females, 2005–2006<sup>(b)</sup>**

Socioeconomic status <sup>(a)</sup>	Aged 50–69 years			Aged 40+ years		
	Number of females <sup>(c)</sup>	ASR <sup>(d)</sup>	95% confidence interval	Number of females <sup>(c)</sup>	ASR <sup>(d)</sup>	95% confidence interval
1 (lowest)	232,563	57.1	56.9–57.4	298,778	33.8	33.7–33.9
2	257,248	57.6	57.4–57.8	335,997	34.7	34.6–34.9
3	253,594	59.4	59.2–59.6	338,252	36.4	36.2–36.5
4	239,256	55.4	55.2–55.7	320,044	34.1	34.0–34.2
5 (highest)	259,134	55.0	54.8–55.2	329,411	32.3	32.2–32.4
<b>Total</b>	<b>1,241,796</b>	<b>56.9</b>	<b>56.8–57.0</b>	<b>1,622,481</b>	<b>34.2</b>	<b>34.2–34.3</b>

(a) Measured using the ABS Socio-Economic Index for Areas (SEIFA) Index of Relative Socio-economic Disadvantage.

(b) Period covers 1 January 2005 to 31 December 2006.

(c) Values may not sum to the total due to rounding.

(d) Rates were calculated as the number of females screened to the average of the 2005 and 2006 ABS estimated resident population and standardised to the Australian population as at 30 June 2001. They are expressed per 100 females (i.e. as a percentage).

Source: AIHW analysis of BreastScreen Australia data.

**Table D7.4: Participation in the BreastScreen Australia Program by Indigenous status<sup>(a)</sup>, females, 2005–2006<sup>(b)</sup>**

Indigenous status <sup>(a)</sup>	Aged 50–69 years			Aged 40+ years		
	Number of females	ASR <sup>(c)</sup>	95% confidence interval	Number of females	ASR <sup>(c)</sup>	95% confidence interval
Indigenous	9,155	38.1	37.3–38.9	13,263	24.5	24.1–25.0
Non-Indigenous	1,223,626	56.7	56.6–56.8	1,598,313	34.0	34.0–34.1
Not stated	9,015	..	..	10,905	..	..
<b>Total</b>	<b>1,241,796</b>	<b>56.9</b>	<b>56.8–57.0</b>	<b>1,622,481</b>	<b>34.1</b>	<b>34.1–34.2</b>

(a) Defined by whether or not a woman self-identified as being of Aboriginal and/or Torres Strait Islander descent.

(b) Period covers 1 January 2005 to 31 December 2006.

(c) Rates were calculated as the number of females screened to the average of the 2005 and 2006 ABS estimated resident population and standardised to the Australian population as at 30 June 2001. They are expressed per 100 females (i.e. as a percentage).

Source: AIHW analysis of BreastScreen Australia data.

**Table D7.5: Participation in the BreastScreen Australia Program by main language spoken at home<sup>(a)</sup>, females, 2005–2006<sup>(b)</sup>**

Main language spoken at home <sup>(a)</sup>	Aged 50–69 years			Aged 40+ years		
	Number of females	ASR <sup>(c)</sup>	95% confidence interval	Number of females	ASR <sup>(c)</sup>	95% confidence interval
English	1,072,956	59.1	59.0–59.2	1,406,252	35.6	35.6–35.7
Other language	163,889	44.8	44.6–45.0	209,875	26.6	26.4–26.7
Not stated	4,951	..	..	6,354	..	..
<b>Total</b>	<b>1,241,796</b>	<b>56.9</b>	<b>56.8–57.0</b>	<b>1,622,481</b>	<b>34.2</b>	<b>34.2–34.3</b>

(a) Defined by whether or not a woman indicated that English was her main language spoken at home.

(b) Period covers 1 January 2005 to 31 December 2006.

(c) Rates were calculated as the number of females screened to the average of the 2005 and 2006 ABS estimated resident population and standardised to the Australian population as at 30 June 2001. They are expressed per 100 females (i.e. as a percentage).

Source: AIHW analysis of BreastScreen Australia data.

**Table D7.6: Medicare Benefits Schedule-funded mammography services by age group, females, 2007–08**

Age group (years)	Mammography of both breasts			Mammography of one breast			Total mammography		
	No. of services	Rate <sup>(a)</sup>	95% CI	No. of services	Rate <sup>(a)</sup>	95% CI	No. of services	Rate <sup>(a)</sup>	95% CI
<25	1,095	0.3	0.3–0.3	166	0.0	0.0–0.1	1,261	0.4	0.3–0.4
25–34	13,936	9.5	9.3–9.6	871	0.6	0.6–0.6	14,807	10.1	9.9–10.2
35–44	71,676	45.9	45.6–46.3	3,503	2.2	2.2–2.3	75,179	48.2	47.8–48.5
45–54	92,391	62.4	62.0–62.8	8,740	5.9	5.8–6.0	101,131	68.3	67.9–68.7
55–64	70,939	59.6	59.2–60.1	12,026	10.1	9.9–10.3	82,965	69.8	69.3–70.2
65–74	43,433	57.6	57.1–58.2	9,841	13.1	12.8–13.3	53,274	70.7	70.1–71.3
75–84	17,939	33.1	32.7–33.6	5,041	9.3	9.1–9.6	22,980	42.5	41.9–43.0
85+	2,307	9.8	9.4–10.2	707	3.0	2.8–3.2	3,014	12.8	12.4–13.3
<b>Total<sup>(b)</sup></b>	<b>313,716</b>	<b>28.2</b>	<b>28.1–28.3</b>	<b>40,895</b>	<b>3.5</b>	<b>3.5–3.6</b>	<b>354,611</b>	<b>31.8</b>	<b>31.7–31.9</b>

(a) These rates are age-specific rates and are expressed per 1,000 females.

(b) The rates shown in this row are age-standardised to the Australian population as at 30 June 2001; they are expressed per 1,000 females.

Source: Medicare Australia Statistics, Australian Government Department of Health and Ageing.

**Table D7.7: Medicare Benefit Schedule-funded mammography services, females, 1993–94 to 2007–08**

Year	Mammography of both breasts			Mammography of one breast			Total mammography		
	No. of services	ASR <sup>(a)</sup>	95% CI	No. of services	ASR <sup>(a)</sup>	95% CI	No. of services	ASR <sup>(a)</sup>	95% CI
1993–94	356,919	43.1	43.0–43.3	28,189	3.4	3.3–3.4	385,108	46.5	46.3–46.6
1994–95	355,999	41.9	41.7–42.0	30,986	3.6	3.6–3.7	386,985	45.5	45.3–45.6
1995–96	323,708	37.2	37.0–37.3	31,445	3.6	3.5–3.6	355,153	40.8	40.6–40.9
1996–97	298,196	33.4	33.3–33.6	31,229	3.5	3.4–3.5	329,425	36.9	36.8–37.1
1997–98	309,994	33.9	33.8–34.1	31,627	3.4	3.4–3.5	341,621	37.4	37.3–37.5
1998–99	314,444	33.7	33.6–33.8	31,002	3.3	3.3–3.3	345,446	37.0	36.9–37.1
1999–00	296,527	31.1	31.0–31.2	31,671	3.3	3.3–3.3	328,198	34.4	34.3–34.5
2000–01	305,984	31.5	31.4–31.6	34,548	3.5	3.5–3.6	340,532	35.0	34.9–35.1
2001–02	296,168	29.9	29.8–30.0	35,971	3.6	3.5–3.6	332,139	33.5	33.4–33.6
2002–03	294,185	29.2	29.1–29.3	38,550	3.7	3.7–3.8	332,735	32.9	32.8–33.0
2003–04	287,699	28.0	27.9–28.1	40,100	3.8	3.8–3.8	327,799	31.8	31.7–31.9
2004–05	296,788	28.4	28.3–28.5	39,404	3.7	3.6–3.7	336,192	32.0	31.9–32.1
2005–06	319,013	30.0	29.9–30.1	39,002	3.5	3.5–3.6	358,015	33.5	33.4–33.6
2006–07	318,440	29.3	29.2–29.4	40,031	3.6	3.5–3.6	358,471	32.8	32.7–33.0
2007–08	313,716	28.2	28.1–28.3	40,895	3.5	3.5–3.6	354,611	31.8	31.7–31.9

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 1,000 females.

Source: Medicare Australia Statistics, Australian Government Department of Health and Ageing.

## Additional tables for Chapter 8: Hospitalisations for breast cancer

Table D8.1: Hospitalisations for breast cancer by age group, females, 2007–08

Age group (years)	Number of hospitalisations	Age-specific rate <sup>(a)</sup>	95% confidence interval
<20	2	0.0	0.0–0.0
20–24	67	0.1	0.1–0.1
25–29	461	0.6	0.6–0.7
30–34	1,906	2.6	2.5–2.7
35–39	4,684	5.9	5.7–6.0
40–44	10,056	13.2	12.9–13.4
45–49	15,228	19.6	19.3–19.9
50–54	15,810	22.4	22.1–22.8
55–59	16,330	25.4	25.1–25.8
60–64	15,555	28.4	28.0–28.9
65–69	10,463	25.3	24.8–25.8
70–74	6,790	20.0	19.5–20.5
75–79	4,507	15.1	14.7–15.6
80–84	2,826	11.6	11.2–12.0
85+	1,382	5.9	5.6–6.2
<b>Total<sup>(b)</sup></b>	<b>106,067</b>	<b>9.3</b>	<b>9.3–9.4</b>

(a) Number of cases per 1,000 females.

(b) The rate shown in this row is age-standardised to the Australian population as at 30 June 2001; it is expressed per 100,000 females.

Source: National Hospital Morbidity Database, AIHW.

Table D8.2: Hospitalisations for breast cancer by same-day and overnight status, females, 1999–00 to 2007–08

Year	Same-day hospitalisations			Overnight hospitalisations			Total hospitalisations		
	Number	ASR <sup>(a)</sup>	95% CI	Number	ASR <sup>(a)</sup>	95% CI	Number	ASR <sup>(a)</sup>	95% CI
1999–00	45,499	4.8	4.8–4.9	15,334	1.6	1.6–1.6	60,833	6.4	6.4–6.5
2000–01	49,031	5.1	5.0–5.1	15,943	1.6	1.6–1.6	64,974	6.7	6.6–6.7
2001–02	54,489	5.5	5.5–5.5	16,271	1.6	1.6–1.6	70,760	7.1	7.1–7.2
2002–03	62,238	6.1	6.1–6.2	16,962	1.6	1.6–1.7	79,200	7.8	7.7–7.8
2003–04	67,674	6.5	6.5–6.6	17,220	1.6	1.6–1.7	84,894	8.2	8.1–8.2
2004–05	72,975	6.9	6.8–6.9	16,914	1.6	1.5–1.6	89,889	8.4	8.4–8.5
2005–06	74,444	6.9	6.8–6.9	18,148	1.6	1.6–1.7	92,592	8.5	8.5–8.6
2006–07	86,404	7.8	7.7–7.9	18,250	1.6	1.6–1.6	104,654	9.4	9.4–9.5
2007–08	87,561	7.7	7.7–7.8	18,506	1.6	1.6–1.6	106,067	9.3	9.3–9.4

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 1,000 females.

Source: National Hospital Morbidity Database, AIHW.

**Table D8.3: Hospitalisations for breast cancer by age group, females, 1999–00 to 2007–08**

Year	Age group (years)							
	<50		50–69		70+		All ages	
	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI	ASR <sup>(a)</sup>	95% CI
1999–00	3.2	3.1–3.2	17.3	17.1–17.5	8.4	8.3–8.6	6.4	6.4–6.5
2000–01	3.2	3.2–3.2	18.0	17.8–18.2	9.6	9.4–9.8	6.7	6.6–6.7
2001–02	3.4	3.3–3.4	19.5	19.3–19.7	9.6	9.4–9.8	7.1	7.1–7.2
2002–03	3.8	3.7–3.8	20.9	20.7–21.1	10.8	10.6–11.0	7.8	7.7–7.8
2003–04	3.9	3.9–4.0	21.8	21.6–22.0	11.6	11.4–11.8	8.2	8.1–8.2
2004–05	3.9	3.9–3.9	22.6	22.4–22.8	13.5	13.3–13.8	8.4	8.4–8.5
2005–06	4.0	4.0–4.1	22.4	22.2–22.6	13.6	13.4–13.8	8.5	8.5–8.6
2006–07	4.4	4.4–4.5	25.1	24.9–25.3	14.8	14.5–15.0	9.4	9.4–9.5
2007–08	4.3	4.3–4.4	25.0	24.8–25.2	14.8	14.6–15.1	9.3	9.3–9.4

(a) Standardised to the Australian population as at 30 June 2001 and expressed per 1,000 females.

Source: National Hospital Morbidity Database, AIHW.

**Table D8.4: Average length of stay (ALOS) for breast cancer-related hospitalisations by same-day and overnight status, females, 1999–00 to 2007–08**

Year	ALOS of overnight hospitalisations (days)	ALOS of same-day hospitalisations (days)	ALOS (days)
1999–00	5.4	1.0	2.1
2000–01	5.1	1.0	2.0
2001–02	5.0	1.0	1.9
2002–03	4.8	1.0	1.8
2003–04	4.9	1.0	1.8
2004–05	4.5	1.0	1.7
2005–06	4.3	1.0	1.6
2006–07	4.2	1.0	1.6
2007–08	4.1	1.0	1.5

Source: National Hospital Morbidity Database, AIHW.

## Additional tables for Chapter 9: Expenditure on breast cancer

Table D9.1: Expenditure on hospital admitted patient services and number of hospitalisations for breast cancer by age group, females, 2004–05

Age group (years)	Hospital admitted patient expenditure		Number of admitted patient hospitalisations <sup>(a)</sup>	Average expenditure per hospitalisation (\$)
	(\$ million)	Per cent		
<25	0	0.1	16	4,034
25–34	2	2.0	461	3,926
35–44	11	11.8	2,774	3,913
45–54	21	23.2	5,360	3,978
54–64	24	25.7	5,658	4,174
65–74	18	19.5	3,765	4,779
75–84	12	13.4	2,408	5,119
85+	4	4.4	604	6,701
<b>Total</b>	<b>92</b>	<b>100.0</b>	<b>21,046</b>	<b>4,373</b>

(a) Defined as those hospitalisations for which the principal diagnosis was breast cancer (ICD-10 code of C50). Does not include hospitalisations for which breast cancer was an additional diagnosis and the principal diagnosis related specifically to the type of cancer treatment or care received.

Source: Disease Expenditure Database, AIHW