

DEMENTIA ESTIMATES AND PROJECTIONS, NSW AND ITS REGIONS

**REPORT BY
ACCESS ECONOMICS PTY LIMITED**

FOR

**ALZHEIMER'S AUSTRALIA NSW
AND
NSW HEALTH**

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EXECUTIVE SUMMARY

This report presents data for New South Wales and its constituent Area Health Service regions on the prevalence and incidence of dementia today, and projections for the future.

1 in 3 Australians with dementia currently live in New South Wales, around 71,360 people in 2005. This is projected to increase to over 227,200 people by 2050, more than the total number of people living with dementia across all of Australia today.

In 2005 around 18,100 new cases of dementia will be diagnosed in NSW. This will also grow, to around 54,700 new cases in 2050.

NSW, along with Victoria, Tasmania and South Australia, has a relatively older population than other States and Territories. As a result, NSW also has higher rates of dementia incidence and prevalence, as a percentage of their populations. The share of people with dementia living in NSW will decline slightly over the periods 2002-2050, as jurisdictions with relatively younger (but still ageing) populations experience higher rates of growth in dementia prevalence.

Around 65% of people with dementia in NSW live in metropolitan areas. Projected patterns in dementia prevalence and incidence over time vary considerably between Area Health Service regions, due to underlying demographic variations.

- ❑ **Western and South Western Sydney** currently have the lowest rates of dementia prevalence (as a proportion of the area's population), but are projected to witness the largest increases in dementia prevalence between 2002 to 2050 – up to a fourfold increase in Western Sydney.
- ❑ The other metropolitan regions, **Northern Sydney/Central Coast and South Eastern Sydney/Illawarra** have, and will continue to have, the largest absolute number of people with dementia.
- ❑ **Hunter/New England and the North Coast** will also experience larger increases in dementia prevalence and incidence than the average for NSW, with dementia affecting over 3% of their populations by 2050 (3.6% for the North Coast).
 - In 2050 the number of people with dementia living in each these regions will be similar to the number residing in Western Sydney.
- ❑ The **Greater Southern and Greater Western** regions will experience slower than average growth due to the smaller and more stable population residing in these areas.

These estimates are based on the most recent data available, which show that projections are significantly higher than in the past (25% higher by 2050 than prevalence estimates produced in early 2003). This can be attributed to increasing rates of diagnosis as well as revised population estimates. The significant change in prevalence estimates as a result of these factors underscores the sensitivity of the projections to such changes, lending caution to the interpretation and use of the forecasts.

However, the sensitivity also suggests that research or treatment breakthroughs that enabled the delay of dementia onset would produce substantial reductions in the future number of cases and in the real costs of dementia (Access Economics, 2004) in NSW.



1. BACKGROUND

Access Economics (2003) provided estimates and projections to Alzheimer's Australia in 2003 for the prevalence of dementia in Australia as a whole for the years 2002, 2011, 2021, 2031, 2041 and 2051. These estimates were based on age specific prevalence rates derived from the Australian Bureau of Statistics (ABS) *Survey of Disability Ageing and Carers* (DAC) for the years 1998 and 1993, together with international epidemiological data. The international data provided the more robust estimates of total prevalence, while the DAC self-reported data (see ABS, 1999 for Survey methodology) provided Australian age-gender splits, including for people aged under 65 years.

The main purpose of the 2003 Access Economics study was to provide the most reliable projections of the time, with an emphasis on the burgeoning economic cost of dementia due to demographic ageing, and the need for timely and cost-effective interventions to improve the quality of life for Australians with dementia as part of a national strategy to improve awareness, prevention and treatment of this important and (at the time) under-recognised issue.

Professor Anthony Jorm and his colleagues at the Centre for Mental Health Research, Australian National University, have estimated new prevalence and incidence rates (Jorm et al, *in press*) based on the meta-analysis of European epidemiological studies by Wancata et al (2003). In September 2004 the results of a more recent DAC Survey were released (ABS, 2004a), providing data collected June to November 2003, by severity of disability and by care setting including residential aged care facilities. In addition, release in September 2003 of detailed 2001 Census data has enabled the recalculation of ABS Series B (mid-case) population projections by demographic group and region of Australia at a more disaggregated level; the fertility, mortality and migration assumptions are explained in ABS (2003a).

Alzheimer's Australia NSW and NSW Health commissioned Access Economics to utilise the new data to estimate dementia prevalence and incidence for New South Wales and its regions. This report presents the findings of this new analysis. A detailed comparison of trends between the States and Territories is contained in a companion report by Access Economics (2005a) *Dementia estimates and projections: Australian States and Territories*. Additional companion reports for Alzheimer's Australia VIC (Access Economics, 2005b) and Alzheimer's Australia WA (Access Economics, 2005c) detail dementia prevalence and incidence for Victoria and Western Australia, and their respective regions.

2. PREVALENCE ESTIMATES AND PROJECTIONS

2.1 PREVIOUS ESTIMATES AND PROJECTIONS, AUSTRALIA

Access Economics (2003) presented age-specific dementia prevalence rates as shown in Table 1, resulting in estimates of 162,300 Australians with dementia in 2002, 0.8% of the population.

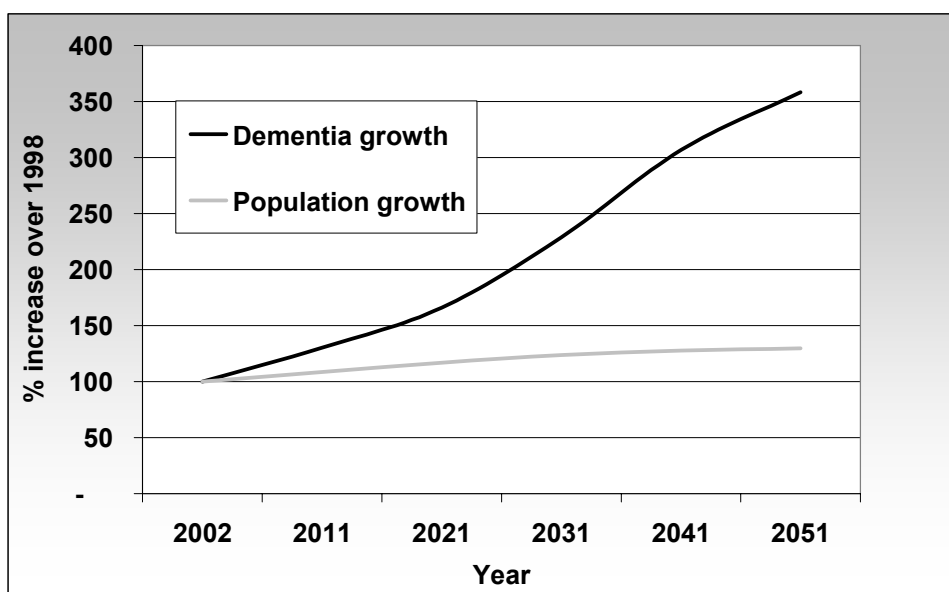
TABLE 1 PREVALENCE OF DEMENTIA BY AGE & GENDER, 2002 ESTIMATES

Age Group	Males 2002		Females 2002		People 2002		1993 % age group
	'000	% age group	'000	% age group	'000	% age group	
0-24	-	-	-	-	-	-	-
25-64	4.3	0.2%	2.3	0.1%	6.6	0.1%	0.1%
65-74	12.1	1.9%	7.6	1.1%	19.7	1.5%	1.2%
75-84	20.7	5.7%	34.1	6.8%	54.8	6.3%	6.0%
85+	19.1	22.8%	62	33.6%	81.1	30.2%	23.4%
Total	56.3	0.6%	106.0	1.1%	162.3	0.8%	0.6%

Source: Access Economics (2003), p31.

Applying these prevalence rates to estimates at that time of the growing Australian future population showed dementia reaching the half-million mark around 2041 and growing to 581,300 people by 2051, 2.3% of the then projected population (Figure 1).

FIGURE 1 PREVIOUS (2002) PROJECTION OF DEMENTIA PREVALENCE, 2002-2051



Source: Access Economics (2003), p32.



The report (p88) noted that these projections were likely to be conservative, since comparison of the 1993 and 1998 data showed an increase in the age prevalence of dementia over time (see final columns of Table 1), as diagnostics continue to improve:

“The prevalence estimates will be conservative as they will not capture people whose dementia has not been diagnosed....The prevalence [projections] may be conservative as diagnoses may occur earlier in the future in line with the current trend.”

This indeed appears to be the case, as revealed in the new data.

2.2 PREVALENCE RATES USED IN THE PROJECTIONS

For this study, Access Economics used data from the Survey of Disability, Ageing and Carers released by the Australian Bureau of Statistics in 2004 (ABS, 2004a), together with ABS demographic projections for NSW regions.

The DAC data provide (the only) estimate of the number of people with dementia in the population under 60, showing an estimated 1,700 Australians under 60 with dementia in 2003 (0.01% of Australians under 60), albeit with a very high standard error. The data also show that for the population aged 60 and over there are no statistically significant differences between State prevalence rates after standardising for age and gender distributions.

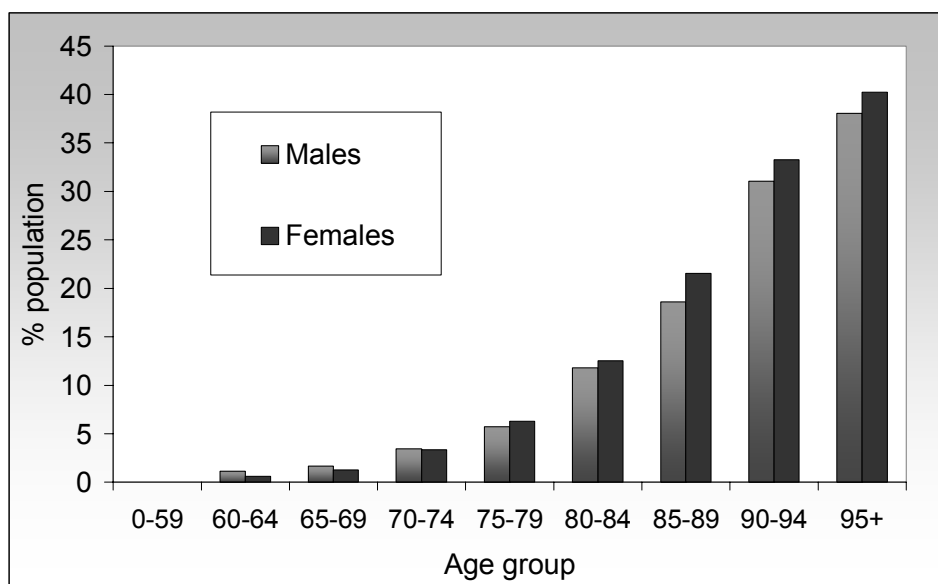
The DAC prevalence data were, as in Access Economics (2003), compared with the latest meta-analyses by Jorm et al (in press), which include Jorm et al (1987), Hofman et al (1991), Ritchie and Kildea (1995) and Lobo et al (2000). From these studies we estimated prevalence rates for those over 60 as shown in Table 2, by averaging the rates from the source studies for each age-gender group. The averages derived are also depicted graphically in Figure 2 for comparative purposes.

TABLE 2 PREVALENCE RATES BY AGE & GENDER (%)

Age group	Female	Male
<60	0.01	0.01
60-64	0.6	1.2
65-69	1.3	1.7
70-74	3.3	3.5
75-79	6.3	5.8
80-84	12.6	11.8
85-89	21.5	18.6
90-94	33.3	31.1
95+	40.3	38.1

Sources: ABS (2004), Jorm et al (1987), Hofman et al (1991), Ritchie and Kildea (1995), Lobo et al (2000).

FIGURE 2 PREVALENCE RATES, BY AGE & GENDER (%)



As set out in Access Economics (2005a), applying these prevalence rates to current Australian population projections generates a substantially (25%) larger forecast of the number of people who will have dementia in 2050 than previously estimated (Access Economics, 2003). There are three main reasons for this.

- **Higher rates of diagnosis from the new data:** when applied to the population data for earlier in this decade, generate a **much higher start point**.
 - Thus, for 2002, the previous estimate of 162,300 becomes 184,800.
 - For people aged 65-74, we see from Table 1 that 1.5% of people were formerly estimated to have dementia; Table 2 shows that this is consistent only with the 65-69 year olds now (1.3%-1.7%) with the 70-74 year old prevalence rate now 3.3%-3.5%.
- **More precise (higher) prevalence rates for the oldest old:** the previous report estimated prevalence of 6.3% in the 75-84 age band and 30.2% in the 85+ band, while the new prevalence estimates allow for narrower splits – five five-year bands from age 75 to 95+.
 - In the oldest group (95+) the prevalence rate is around 40%, and is also higher in the 90-94 and 80-84 bands (double for the latter group), where the most rapid population growth is forecast (the baby boomers start to turn 80 in 2025).
- **New demographic data:** the ABS population data projection revisions of 2003-04 yield slightly higher future forecasts of the Australian population.
 - The oldest old groups are revised upwards, largely reflecting life expectancy gains.

The significant change in prevalence estimates as a result of these factors underscores the sensitivity of the projections to such changes, lending caution to the interpretation and use of the forecasts. Indeed, more substantial events, such as research or treatment breakthroughs that enabled the delay of dementia onset, would produce substantial reductions in the future number of cases and in the real costs of dementia (Access Economics, 2004).



2.3 PREVALENCE FOR NSW AS A WHOLE

Applying these prevalence rates to the NSW population generates estimates of the number of people with dementia, by age group and gender, for the years shown in Table 3 over the page. For comparative purposes, a similar table is provided for the whole of Australia (Table 4).

In 2005 there will be over 71,300 people in New South Wales with dementia. 2005 is also the year that the first of the baby boomers turn 60, with enormous impacts for the growth in the number of people with dementia thereafter.

- ❑ **By mid-century, the number of people in NSW with dementia is projected to increase to over 227,000**, 3.8 times the number of those with dementia in NSW in 2000. While this is slightly lower than the national average rate of increase (fourfold), **there will be more people with dementia in NSW in 2050 than there are today across the whole of Australia.**
- ❑ **Currently, over 1 in 3 people with dementia live in NSW**, although this share is projected to fall from 35.2% in 2002 to 31.1% in 2005 due to the relatively quicker growth of the younger populations in some other States/Territories, notably Northern Territory, Queensland, Western Australia and the Australian Capital Territory.
- ❑ As the NSW population is relatively older than in other States/Territories, **growth of dementia in NSW is projected to be the third slowest in Australia, after Tasmania and South Australia.**

Further comparison with other States and Territories is provided in Table 5 and in Figure 3 and Figure 4. Access Economics (2005a) provides greater detail for trends across the other Australian States and Territories and for the nation as a whole.



TABLE 3 DEMENTIA PREVALENCE BY AGE & GENDER, NEW SOUTH WALES, 2000 TO 2050

NSW ('000)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2020	2030	2040	2050
Male															
0-59	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.28
60-64	1.59	1.63	1.67	1.70	1.77	1.85	1.94	2.07	2.19	2.27	2.33	2.66	2.76	2.79	3.00
65-69	1.94	1.96	2.00	2.04	2.11	2.19	2.24	2.29	2.36	2.46	2.57	3.42	3.99	4.15	4.22
70-74	3.64	3.68	3.69	3.63	3.59	3.57	3.61	3.71	3.82	3.96	4.10	6.24	7.24	7.60	7.76
75-79	4.48	4.61	4.71	4.83	4.95	5.00	5.06	5.08	5.05	5.02	5.02	7.13	9.77	11.59	12.23
80-84	4.99	5.38	5.74	6.10	6.43	6.71	6.91	7.09	7.32	7.56	7.69	9.50	15.16	18.07	19.46
85-89	3.64	3.82	4.03	4.19	4.31	4.57	5.00	5.38	5.75	6.08	6.39	8.04	12.35	17.54	21.55
90-94	1.72	1.85	2.01	2.23	2.39	2.58	2.71	2.86	2.98	3.10	3.35	6.06	8.29	14.03	17.66
95+	0.50	0.58	0.63	0.73	0.75	0.81	0.87	0.94	1.03	1.12	1.22	2.64	4.08	6.70	10.61
TOTAL M	22.77	23.79	24.75	25.73	26.58	27.56	28.62	29.71	30.78	31.85	32.96	45.97	63.93	82.77	96.78
% of M Population	0.7%	0.7%	0.8%	0.8%	0.8%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	1.2%	1.6%	2.0%	2.3%
% M of total Prev	37.8%	38.0%	38.1%	38.3%	38.4%	38.6%	38.8%	39.0%	39.2%	39.4%	39.6%	41.7%	42.8%	42.5%	42.6%
Female															
0-59	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
60-64	0.82	0.84	0.86	0.87	0.91	0.95	0.99	1.06	1.13	1.17	1.21	1.42	1.44	1.45	1.54
65-69	1.52	1.52	1.55	1.58	1.62	1.66	1.70	1.73	1.77	1.84	1.93	2.65	3.04	3.14	3.14
70-74	3.94	3.95	3.92	3.84	3.78	3.78	3.79	3.86	3.96	4.08	4.19	6.28	7.37	7.56	7.60
75-79	6.44	6.51	6.55	6.60	6.66	6.63	6.65	6.61	6.52	6.44	6.44	8.49	11.85	13.67	14.26
80-84	8.55	9.06	9.46	9.83	10.22	10.55	10.67	10.76	10.92	11.06	11.04	12.38	19.06	22.69	23.55
85-89	8.84	9.12	9.44	9.68	9.81	10.09	10.77	11.35	11.86	12.36	12.82	13.80	19.09	27.21	31.97
90-94	5.30	5.65	6.01	6.36	6.71	7.10	7.35	7.64	7.88	8.04	8.38	12.14	14.58	23.38	28.74
95+	1.82	1.96	2.13	2.36	2.56	2.76	2.99	3.21	3.42	3.67	3.95	6.90	8.83	12.66	19.39
TOTAL F	37.50	38.89	40.18	41.39	42.55	43.80	45.19	46.51	47.74	48.95	50.23	64.34	85.55	112.03	130.46
% of F Population	1.1%	1.2%	1.2%	1.2%	1.3%	1.3%	1.3%	1.3%	1.4%	1.4%	1.4%	1.7%	2.1%	2.7%	3.1%
% F of total Prev	62.2%	62.0%	61.9%	61.7%	61.6%	61.4%	61.2%	61.0%	60.8%	60.6%	60.4%	58.3%	57.2%	57.5%	57.4%
Persons															
0-59	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.56
60-64	2.41	2.47	2.53	2.58	2.68	2.80	2.93	3.13	3.32	3.44	3.55	4.07	4.20	4.24	4.54
65-69	3.46	3.48	3.55	3.62	3.74	3.85	3.94	4.03	4.13	4.30	4.50	6.08	7.03	7.29	7.36
70-74	7.57	7.63	7.61	7.47	7.37	7.35	7.40	7.57	7.79	8.04	8.29	12.52	14.61	15.16	15.36
75-79	10.92	11.13	11.25	11.43	11.61	11.63	11.71	11.69	11.57	11.46	11.46	15.61	21.62	25.26	26.49
80-84	13.54	14.44	15.20	15.93	16.65	17.26	17.59	17.85	18.24	18.61	18.73	21.89	34.22	40.76	43.02
85-89	12.48	12.94	13.47	13.86	14.12	14.67	15.77	16.73	17.61	18.45	19.21	21.84	31.44	44.74	53.52
90-94	7.02	7.50	8.01	8.59	9.10	9.68	10.06	10.50	10.85	11.14	11.73	18.20	22.87	37.41	46.40
95+	2.32	2.54	2.76	3.09	3.31	3.57	3.86	4.15	4.46	4.79	5.17	9.54	12.91	19.36	30.00
TOTAL P	60.27	62.68	64.93	67.12	69.13	71.36	73.81	76.22	78.52	80.79	83.20	110.31	149.48	194.80	227.24
% of Population	0.93%	0.95%	0.98%	1.00%	1.02%	1.05%	1.07%	1.10%	1.12%	1.15%	1.17%	1.45%	1.87%	2.36%	2.72%



TABLE 4 DEMENTIA PREVALENCE BY AGE & GENDER, AUSTRALIA, 2000-2050

AUST ('000)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2020	2030	2040	2050
Male															
0-59	0.81	0.81	0.82	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.88	0.89	0.90	0.89
60-64	4.61	4.76	4.92	5.05	5.26	5.50	5.76	6.18	6.56	6.82	7.05	8.11	8.53	8.61	9.41
65-69	5.56	5.62	5.77	5.95	6.17	6.41	6.61	6.83	7.04	7.34	7.69	10.48	12.27	12.79	13.24
70-74	10.34	10.47	10.50	10.39	10.34	10.34	10.49	10.81	11.20	11.66	12.15	19.14	22.39	23.80	24.25
75-79	12.63	13.07	13.43	13.81	14.17	14.40	14.60	14.68	14.64	14.66	14.72	21.70	30.41	36.19	38.30
80-84	14.04	15.13	16.18	17.29	18.30	19.14	19.88	20.51	21.23	21.94	22.43	28.81	47.46	57.08	62.17
85-89	10.56	11.06	11.54	11.99	12.25	13.06	14.27	15.43	16.54	17.61	18.55	24.26	38.59	56.02	69.05
90-94	5.20	5.57	5.97	6.58	7.08	7.59	7.97	8.37	8.69	8.99	9.75	18.30	26.01	45.37	57.65
95+	1.52	1.73	1.91	2.20	2.28	2.45	2.64	2.86	3.12	3.39	3.69	7.98	12.82	21.78	35.32
TOTAL M	65.26	68.23	71.04	74.09	76.69	79.73	83.06	86.51	89.88	93.27	96.88	139.65	199.38	262.53	310.30
% of M Population	0.7%	0.7%	0.7%	0.8%	0.8%	0.8%	0.8%	0.8%	0.9%	0.9%	0.9%	1.2%	1.6%	2.1%	2.4%
% M of total Prev	38.1%	38.3%	38.4%	38.6%	38.8%	38.9%	39.1%	39.3%	39.5%	39.8%	40.0%	41.9%	42.8%	42.4%	42.4%
Female															
0-59	0.79	0.80	0.81	0.82	0.82	0.83	0.84	0.84	0.84	0.84	0.85	0.86	0.87	0.88	0.87
60-64	2.38	2.45	2.52	2.58	2.69	2.82	2.95	3.19	3.40	3.56	3.70	4.37	4.55	4.53	4.91
65-69	4.31	4.34	4.44	4.56	4.72	4.87	4.99	5.14	5.28	5.50	5.76	8.21	9.49	9.87	10.03
70-74	11.09	11.13	11.07	10.93	10.83	10.85	10.94	11.22	11.56	11.97	12.37	19.40	23.05	24.11	24.08
75-79	18.06	18.32	18.49	18.69	18.92	18.90	18.99	18.90	18.74	18.63	18.71	25.79	37.17	43.28	45.31
80-84	23.85	25.33	26.54	27.81	29.00	29.93	30.44	30.81	31.31	31.81	31.88	37.32	59.89	72.05	76.23
85-89	25.12	26.03	26.71	27.23	27.47	28.45	30.46	32.24	33.94	35.47	36.80	41.04	59.13	86.78	102.91
90-94	15.13	16.14	17.11	18.24	19.40	20.52	21.23	21.90	22.42	22.83	23.98	35.91	44.97	74.92	93.01
95+	5.22	5.58	6.07	6.76	7.36	7.96	8.62	9.32	9.99	10.75	11.57	20.37	26.94	40.14	63.39
TOTAL F	105.96	110.12	113.77	117.62	121.21	125.12	129.46	133.54	137.48	141.37	145.62	193.29	266.07	356.55	420.73
% of F Population	1.1%	1.1%	1.2%	1.2%	1.2%	1.2%	1.3%	1.3%	1.3%	1.3%	1.4%	1.7%	2.1%	2.7%	3.2%
% F of total Prev	61.9%	61.7%	61.6%	61.4%	61.2%	61.1%	60.9%	60.7%	60.5%	60.2%	60.0%	58.1%	57.2%	57.6%	57.6%
Persons															
0-59	1.60	1.62	1.63	1.65	1.66	1.67	1.68	1.69	1.69	1.70	1.70	1.74	1.76	1.77	1.76
60-64	6.99	7.21	7.43	7.63	7.95	8.32	8.71	9.37	9.96	10.38	10.76	12.48	13.08	13.14	14.32
65-69	9.88	9.96	10.21	10.51	10.89	11.28	11.60	11.97	12.32	12.84	13.45	18.70	21.76	22.67	23.27
70-74	21.43	21.61	21.57	21.32	21.17	21.18	21.43	22.03	22.77	23.63	24.52	38.54	45.45	47.91	48.33
75-79	30.68	31.40	31.92	32.50	33.09	33.30	33.59	33.57	33.39	33.29	33.43	47.48	67.58	79.47	83.62
80-84	37.88	40.46	42.72	45.11	47.31	49.07	50.32	51.32	52.54	53.75	54.31	66.13	107.35	129.13	138.39
85-89	35.68	37.09	38.25	39.22	39.72	41.52	44.73	47.66	50.48	53.09	55.35	65.30	97.73	142.80	171.96
90-94	20.33	21.71	23.08	24.82	26.48	28.10	29.21	30.27	31.11	31.82	33.73	54.21	70.98	120.28	150.66
95+	6.74	7.31	7.98	8.96	9.64	10.41	11.26	12.17	13.10	14.14	15.25	28.36	39.76	61.92	98.71
TOTAL P	171.22	178.35	184.80	191.71	197.90	204.85	212.52	220.05	227.36	234.64	242.50	332.93	465.46	619.09	731.03
% of Population	0.89%	0.92%	0.94%	0.96%	0.98%	1.01%	1.03%	1.06%	1.09%	1.11%	1.14%	1.44%	1.88%	2.40%	2.77%

TABLE 5 DEMENTIA PREVALENCE ('000) BY STATE/TERRITORY, 2000-2050

	NSW	VIC	QLD	SA	WA	TAS	NT	ACT	AUST
2000	60.3	44.3	29.2	16.1	14.5	4.6	0.4	1.8	171.2
2001	62.7	46.1	30.6	16.6	15.2	4.7	0.5	1.9	178.4
2002	64.9	47.6	31.9	17.1	15.8	4.9	0.5	2.0	184.8
2003	67.1	49.3	33.4	17.7	16.5	5.1	0.5	2.1	191.7
2004	69.1	50.8	34.7	18.3	17.1	5.2	0.5	2.2	197.9
2005	71.4	52.5	36.2	18.8	17.7	5.4	0.5	2.3	204.9
2006	73.8	54.5	37.8	19.4	18.5	5.5	0.6	2.4	212.5
2007	76.2	56.3	39.4	20.0	19.3	5.7	0.6	2.5	220.1
2008	78.5	58.1	40.9	20.6	20.0	5.9	0.6	2.7	227.4
2009	80.8	59.9	42.5	21.2	20.8	6.0	0.6	2.8	234.6
2010	83.2	61.9	44.3	21.8	21.6	6.2	0.7	2.9	242.5
2020	110.3	83.6	65.6	28.0	31.8	8.2	1.0	4.3	332.9
2030	149.5	114.0	99.0	36.8	47.3	11.0	1.6	6.3	465.5
2040	194.8	149.8	138.7	46.2	65.5	13.6	2.2	8.3	619.1
2050	227.2	176.1	171.1	50.7	79.2	14.3	2.7	9.6	731.0
2000-50*	3.8	4.0	5.9	3.2	5.5	3.1	6.1	5.4	4.3
Growth rank*	6	5	2	7	3	8	1	4	
Share 2000	35.2%	25.9%	17.1%	9.4%	8.5%	2.7%	0.3%	1.0%	100.0%
Share 2050	31.1%	24.1%	23.4%	6.9%	10.8%	2.0%	0.4%	1.3%	100.0%
%pop'n 2000	0.93%	0.94%	0.82%	1.07%	0.77%	0.97%	0.23%	0.56%	0.89%
%pop'n 2050	2.72%	2.84%	2.68%	3.42%	2.76%	3.67%	0.88%	2.45%	2.77%

* 2000-50 is the prevalence in 2050 divided by the prevalence in 2000 (ie the factor of growth over the period). The growth rank ranks States/Territories according to the factor of growth from fastest (1) to slowest (8).

FIGURE 3 DEMENTIA PREVALENCE ('000) BY STATE/TERRITORY, 2000 AND 2050

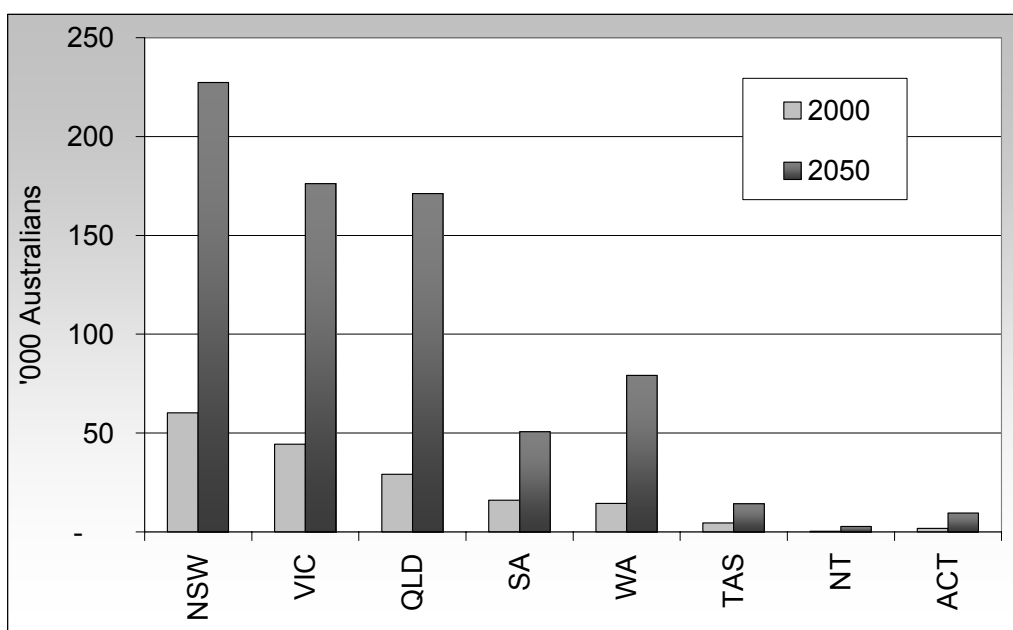
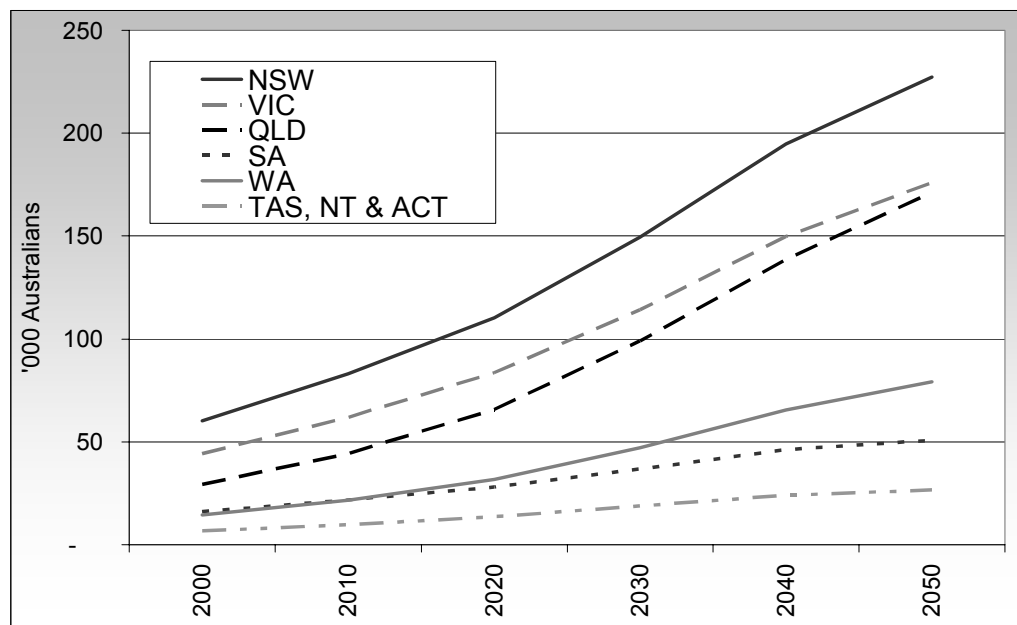


FIGURE 4 DEMENTIA PREVALENCE ('000) BY STATE/TERRITORY, 2000-2050



2.4 PREVALENCE ESTIMATES AND PROJECTIONS FOR NSW REGIONS

NSW Health divides NSW into eight geographic regions known as Area Health Services (AHS), four in greater Sydney and four in regional areas. In almost all cases, each AHS is an amalgamation of several Local Government Areas (LGAs). Table 6 provides a concordance between the NSW Health AHSs and LGAs included in the ABS Australian Standard Geographical Classification (ABS 2004b), and the geographic location of each AHS is shown in Figure 5.

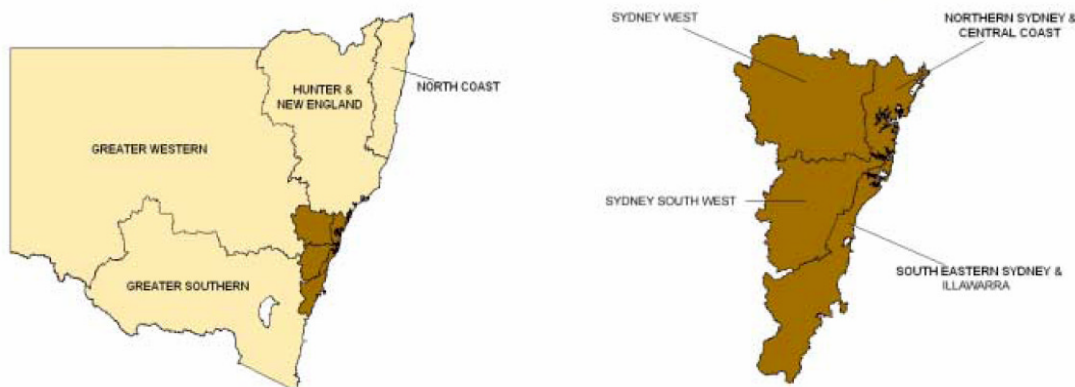
The Sydney LGA lies across the boundary of the South Western Sydney AHS and the South Eastern Sydney/Illawarra AHS. In this case the underlying SLA (Statistical Local Area) data were used to allocate the population living in the Sydney LGA between the two AHSs. The Sydney LGA is comprised of three SLAs – Sydney (Inner), Sydney (South) and Sydney (Remainder). All of the Sydney (Inner) SLA falls within the boundaries of the South Eastern Sydney/Illawarra AHS. The population of the two remaining SLAs was allocated between the two AHSs in accordance with population shares provided by the Strategic and Resource Planning Unit of NSW Health. The Unit had calculated the shares for five year age-gender cohorts based on data from 2001 Census collection areas. Roughly, around 55% of the Sydney (South) SLA population and 51% of the Sydney (Remainder) SLA population was allocated to the South Eastern Sydney/Illawarra AHS.



TABLE 6: RECONCILIATION OF NSW AHS REGIONS BY LGA

NSW AHS	Local Government Areas
Regional Area Health Services	
Greater Southern	Albury, Bega Valley, Berrigan, Bland, Bombala, Boorowa, Carrathool, Conargo, Coolamon, Cooma-Monaro, Cootamundra, Corowa, Culcairn, Eastern Capital City Regional, Eurobodalla, Greater Argyle, Greater Queanbeyan, Griffith, Gundagai, Harden, Hay, Holbrook, Hume, Jerilderie, Junee, Leeton, Lockhart, Murray, Murrumbidgee, Narrandera, Snowy River, Temora, Tumbarumba, Tumut, Upper Lachlan, Urana, Wagga Wagga, Wakool, Yass Valley, Young
Greater Western	Balranald, Bathurst, Blayney, Bogan, Bourke, Brewarrina, Broken Hill, Cabonne, Central Darling, Cobar, Coolah, Coonabarabran, Coonamble, Cowra, Dubbo, Evans, Forbes, Gilgandra, Lachlan, Mudgee, Narromine, Oberon, Orange, Parkes, Rylstone, Unincorporated Far West, Walgett, Warren, Weddin, Wellington, Wentworth.
Hunter/New England	Armidale Dumaresq, Barraba, Bingara, Cessnock, Deniliquin, Dungog, Glen Innes, Gloucester, Great Lakes, Greater Taree, Gunnedah, Guyra, Inverell, Lake Macquarie, Maitland, Manilla, Merriwa, Moree Plains, Murrurundi, Muswellbrook, Narrabri, Newcastle, Nundle, Parry, Port Stephens, Quirindi, Scone, Severn, Singleton, Tamworth, Tenterfield, Uralla, Walcha, Yallaro
North Coast	Ballina, Bellingen, Byron, Clarence Valley, Coffs Harbour, Hastings, Kempsey, Kyogle, Lismore, Nambucca, Richmond Valley, Tweed
Metropolitan Area Health Services	
Northern Sydney/Central Coast	Gosford, Hornsby, Hunter's Hill, Ku-Ring-Gai, Lane Cove, Manly, Mosman, North Sydney, Pittwater, Ryde, Warringah, Willoughby, Wyong
South Eastern Sydney/Illawarra	Botany Bay, Hurstville, Kiama, Kogarah, Lord Howe Island, Randwick, Rockdale, Shellharbour, Shoalhaven, Sutherland Shire, Sydney (part), Waverley, Wollongong, Woollahra
South Western Sydney	Ashfield, Bankstown, Burwood, Camden, Campbelltown, Canada Bay, Canterbury, Fairfield, Leichardt, Liverpool, Marrickville, Strathfield, Sydney (part) Wingecarribee, Wollondilly
Western Sydney	Auburn, Baulkham Hills, Blacktown, Blue Mountains, Hawkesbury, Holroyd, Lithgow, Parramatta, Penrith

FIGURE 5: MAP OF NSW AREA HEALTH SERVICES



Source: NSW Health (2004)

To estimate dementia prevalence for these NSW AHS regions, population projections were prepared by the Australian Bureau of Statistics (according to assumptions agreed by Access Economics), by SLA and LGA for the years 2002-2022. The ABS's full report detailing their methodology for projecting data for NSW regions is provided in full as an Appendix to this report. The methodology is identical to that used in previous reports by Access Economics (2005a, 2005b, 2005c).

The raw NSW data were smoothed to precisely match the bottom-up projections for NSW to the top-down ones for each age-gender group to the year 2050. The age-gender prevalence rates applied for Australia, States and Territories, were then applied to each region, to calculate the total prevalence of people with dementia in each.

The results are summarised in Table 7 and Figures 6 to 9, while the tables on the following pages (Tables 8 to 18) provide the projections for each AHS, as well as summaries for metropolitan and regional NSW.

Around 65% of people with dementia in NSW live in metropolitan areas, although this share decreases marginally over the period, reflecting **more rapid growth of dementia in the regional areas, on top of an already older regional population mix** (Table 7).

As a proportion of NSW's population, **the number of people with dementia is projected to increase from 1.0% in 2002 to 2.7% in 2050; however, there is considerable variation between regions.**

- ❑ **Western and South Western Sydney** currently have the lowest rates of dementia prevalence (as a proportion of the area's population), but are projected to witness the largest increases in dementia prevalence between 2002 to 2050
 - Western Sydney will experience a fourfold increase (from 7,000 to 28,000 people) and in South Western Sydney from 9,900 to 36,400 people over the forecast period.
- ❑ The other metropolitan regions, **Northern Sydney/Central Coast and South Eastern Sydney/Illawarra** have, and will continue to have, the largest absolute number of people with dementia.
 - In 2005 over 14,100 people in Northern Sydney/Central Coast will have dementia, and another 13,100 in South Eastern Sydney/Illawarra. This is



projected to rise to 42,000 and 40,600 respectively in 2050. The combined total of 82,600 is more than the current total across NSW.

- **Hunter/New England and the North Coast** will also experience larger increases in dementia prevalence and incidence than the average for NSW, with dementia affecting over 3% of their populations by 2050.
 - In 2050 the number of people with dementia living in each these regions will be similar to the number residing in Western Sydney.
 - The number of people with dementia in the North Coast region will increase from 5,900 in 2002 to 22,200 in 2050, a growth factor of 3.8. This is despite it already having the highest prevalence of dementia, as a percentage of the population, of any AHS (1.3% in 2002). The projected dementia growth is driven by continuing projected high in-migration of older people to the area. In 2050, 3.6% of the North Coast population will have dementia.
 - In Hunter/New England, the number of people with dementia is projected to increase from 9,100 in 2002 to over 32,100 in 2050. In 2050, as a percentage of the population dementia will be more common in Hunter/New England (3.2) than Northern Sydney/Central Coast (3.0%) in 2050, a reversal of their relative ranking in 2002 (see Figure 8).
- The **Greater Southern and Greater Western** regions will experience slower than average growth – ‘only’ 3.2 time between 2002 and 2050 - due to the smaller and more stable population residing in these areas.

The age distribution of people in NSW with dementia shows the rapid increase among those over 85 (Figure 9), mirroring national trends.

It should be noted that differences in overall estimated incidence and prevalence rates among AHSs related solely to the differences in current and projected age structures, rather than underlying geographic variations in age-gender incidence or prevalence rates.



TABLE 7 DEMENTIA PREVALENCE, NSW AHS REGIONS, SELECTED YEARS

	2002	2005	2010	2020	2030	2040	2050	2002-50*
Greater Southern	4,699	5,186	6,081	8,190	10,789	13,809	15,788	3.4
% population	1.0%	1.1%	1.3%	1.6%	2.0%	2.5%	2.8%	
% share	7.2%	7.3%	7.3%	7.4%	7.2%	7.1%	6.9%	
Increase over previous period		10.4%	17.3%	34.7%	31.7%	28.0%	14.3%	
Greater Western	2,987	3,220	3,666	4,762	6,421	8,319	9,671	3.2
% population	1.0%	1.1%	1.2%	1.6%	2.0%	2.5%	2.8%	
% share	4.6%	4.5%	4.4%	4.3%	4.3%	4.3%	4.3%	
Increase over previous period		7.8%	13.9%	29.9%	34.8%	29.6%	16.3%	
Hunter/New England	9,140	10,064	11,743	15,580	21,131	27,533	32,125	3.5
% population	1.1%	1.2%	1.4%	1.7%	2.2%	2.8%	3.2%	
% share	14.1%	14.1%	14.1%	14.1%	14.1%	14.1%	14.1%	
Increase over previous period		10.1%	16.7%	32.7%	35.6%	30.3%	16.7%	
North Coast	5,915	6,627	7,860	10,672	14,541	19,031	22,272	3.8
% population	1.3%	1.4%	1.6%	2.0%	2.6%	3.2%	3.6%	
% share	9.1%	9.3%	9.4%	9.7%	9.7%	9.8%	9.8%	
Increase over previous period		12.0%	18.6%	35.8%	36.2%	30.9%	17.0%	
Northern Sydney/Central Coast	13,195	14,162	15,941	19,981	27,097	35,724	42,002	3.2
% population	1.2%	1.3%	1.4%	1.6%	2.0%	2.6%	3.0%	
% share	20.3%	19.8%	19.2%	18.1%	18.1%	18.3%	18.5%	
Increase over previous period		7.3%	12.6%	25.3%	35.6%	31.8%	17.6%	
South Eastern Sydney/Illawarra	12,032	13,139	15,161	19,511	26,432	34,687	40,664	3.4
% population	1.1%	1.1%	1.2%	1.5%	1.9%	2.4%	2.8%	
% share	18.5%	18.4%	18.2%	17.7%	17.7%	17.8%	17.9%	
Increase over previous period		9.2%	15.4%	28.7%	35.5%	31.2%	17.2%	
South Western Sydney	9,933	10,993	13,046	17,760	24,133	31,310	36,460	3.7
% population	0.8%	0.8%	0.9%	1.2%	1.5%	1.9%	2.2%	
% share	15.3%	15.4%	15.7%	16.1%	16.1%	16.1%	16.0%	
Increase over previous period		10.7%	18.7%	36.1%	35.9%	29.7%	16.4%	
Western Sydney	7,026	7,968	9,701	13,850	18,936	24,384	28,261	4.0
% population	0.7%	0.7%	0.8%	1.1%	1.4%	1.8%	2.0%	
% share	10.8%	11.2%	11.7%	12.6%	12.7%	12.5%	12.4%	
Increase over previous period		13.4%	21.7%	42.8%	36.7%	28.8%	15.9%	
Total Metropolitan	42,186	46,261	53,849	71,103	96,598	126,106	147,388	3.5
% population	0.9%	1.0%	1.1%	1.3%	1.7%	2.2%	2.5%	
% share	65.0%	64.8%	64.7%	64.5%	64.6%	64.7%	64.9%	
Increase over previous period		9.7%	16.4%	32.0%	35.9%	30.5%	16.9%	
Total Regional	22,741	25,097	29,350	39,205	52,882	68,692	79,856	3.5
% population	1.1%	1.2%	1.4%	1.8%	2.2%	2.8%	3.2%	
% share	35.0%	35.2%	35.3%	35.5%	35.4%	35.3%	35.1%	
Increase over previous period		10.4%	16.9%	33.6%	34.9%	29.9%	16.3%	
Total New South Wales	64,927	71,358	83,199	110,308	149,480	194,798	227,243	3.5
% population	1.0%	1.0%	1.2%	1.5%	1.9%	2.4%	2.7%	
% share	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Increase over previous period		9.9%	16.6%	32.6%	35.5%	30.3%	16.7%	

* 2000-50 is the prevalence in 2050 divided by the prevalence in 2002 (ie the factor of growth over the period).

FIGURE 6 DEMENTIA PREVALENCE, METROPOLITAN NSW, SELECTED YEARS

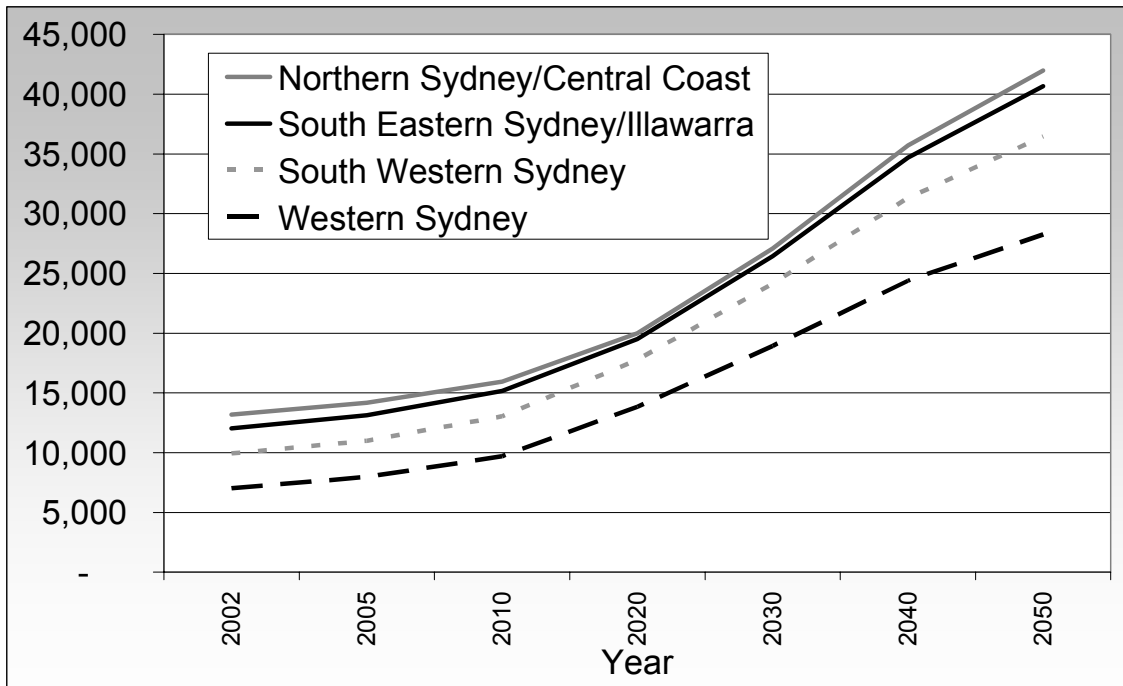


FIGURE 7 DEMENTIA PREVALENCE, REGIONAL NSW, SELECTED YEARS

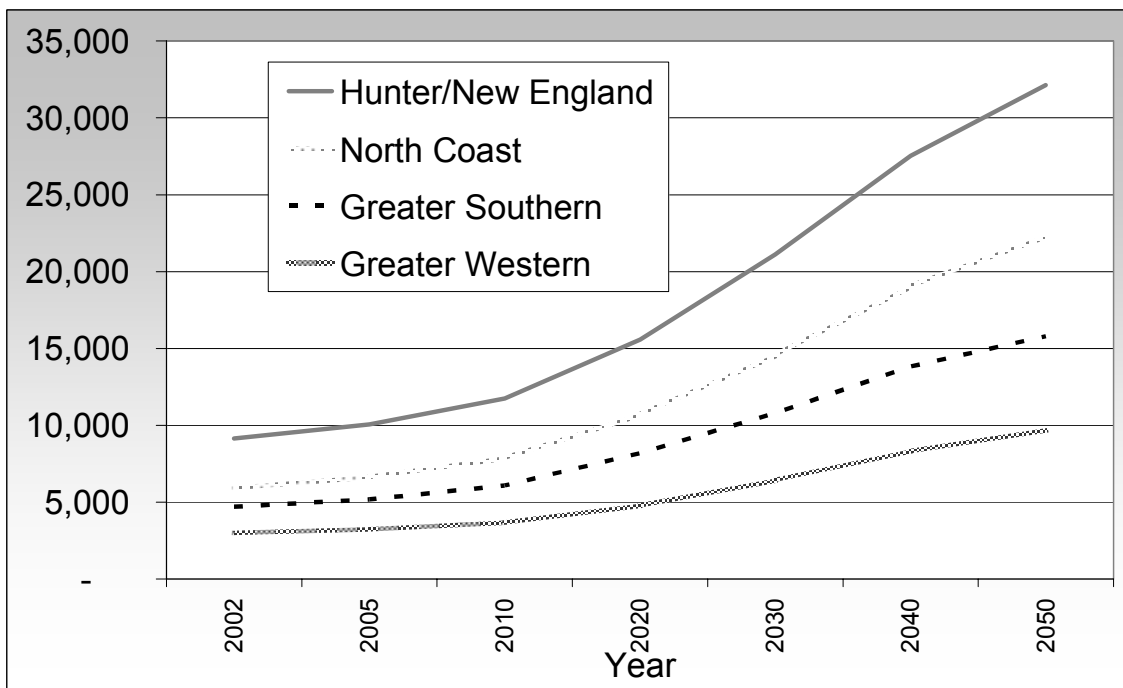




FIGURE 8 DEMENTIA PREVALENCE (% POPULATION), NSW REGIONS, 2002-2050

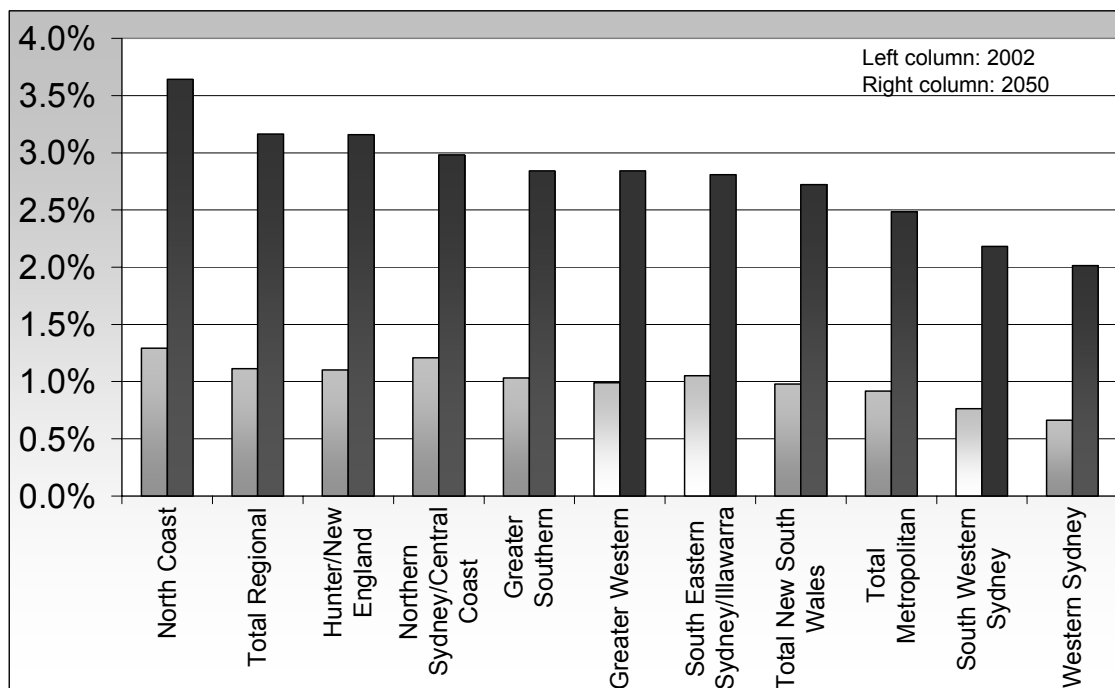


FIGURE 9 DEMENTIA PREVALENCE, NSW, BY AGE GROUP, 2002-2022

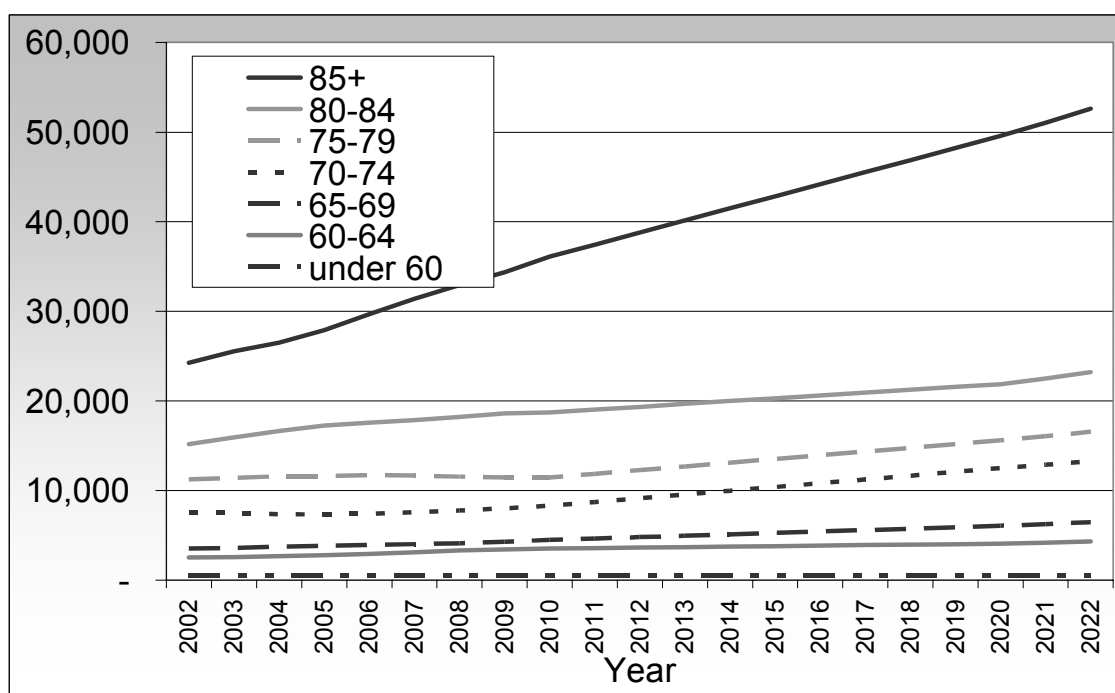




TABLE 8 DEMENTIA PREVALENCE BY AGE & GENDER, GREATER SOUTHERN AHS, 2002-2050

Greater Southern	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	18
60-64	132	135	139	144	148	157	166	171	176	182	182	185	188	191	193	196	200	204	207	210	212	204	206	221
65-69	161	169	175	182	185	188	192	198	205	212	227	240	249	257	266	266	269	273	275	279	283	311	322	326
70-74	293	293	289	290	294	304	317	329	342	351	360	370	383	400	414	441	467	484	498	514	514	562	588	599
75-79	358	369	384	393	400	401	397	393	395	404	423	444	466	486	499	511	525	544	567	589	629	739	874	919
80-84	410	439	465	493	508	527	545	569	583	600	608	607	606	615	630	660	692	723	754	777	801	1,156	1,372	1,473
85+	495	510	528	555	593	636	679	714	760	803	853	904	957	1,001	1,045	1,076	1,100	1,121	1,147	1,187	1,240	1,665	2,509	3,193
TOTAL M	1,868	1,934	2,000	2,075	2,146	2,232	2,314	2,394	2,480	2,570	2,672	2,769	2,869	2,970	3,067	3,170	3,270	3,367	3,466	3,574	3,698	4,656	5,888	6,747
% of M Pop'n	0.82%	0.84%	0.86%	0.89%	0.91%	0.94%	0.97%	1.00%	1.03%	1.07%	1.10%	1.14%	1.17%	1.21%	1.24%	1.28%	1.32%	1.35%	1.38%	1.42%	1.47%	1.76%	2.15%	2.43%
Female																								
0-59	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17
60-64	66	68	70	73	75	79	83	86	88	91	92	94	96	98	100	101	104	106	108	110	112	106	106	112
65-69	117	123	127	130	133	136	139	144	149	154	165	174	180	187	193	193	197	200	204	207	210	227	234	233
70-74	288	288	287	290	293	299	310	320	329	338	347	357	371	387	400	428	449	464	478	494	495	543	554	555
75-79	464	475	484	486	491	492	489	487	492	499	513	534	554	572	588	602	619	642	668	691	739	889	1,021	1,061
80-84	645	677	709	737	753	765	779	794	799	811	821	823	827	839	851	872	905	939	964	994	1,019	1,442	1,710	1,769
85+	1,233	1,279	1,319	1,376	1,446	1,518	1,581	1,647	1,726	1,802	1,872	1,943	2,013	2,073	2,131	2,175	2,209	2,243	2,283	2,335	2,390	2,910	4,280	5,293
TOTAL F	2,831	2,928	3,014	3,112	3,208	3,307	3,399	3,495	3,601	3,715	3,827	3,942	4,059	4,174	4,281	4,390	4,501	4,612	4,723	4,849	4,983	6,133	7,921	9,040
% of F Pop'n	1.25%	1.28%	1.31%	1.35%	1.38%	1.41%	1.44%	1.48%	1.51%	1.55%	1.59%	1.63%	1.67%	1.71%	1.74%	1.78%	1.82%	1.85%	1.89%	1.93%	1.98%	2.32%	2.90%	3.26%
Persons																								
0-59	36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	35	35	34
60-64	198	203	209	217	223	236	248	257	264	273	274	279	284	289	293	298	303	310	314	320	324	310	312	333
65-69	278	291	302	312	318	324	331	342	355	367	392	414	429	444	458	459	465	472	479	486	493	538	556	559
70-74	581	581	576	580	587	603	627	649	671	689	707	727	754	787	814	869	916	948	976	1,008	1,010	1,105	1,142	1,154
75-79	822	844	868	879	891	893	886	880	887	904	936	978	1,020	1,058	1,087	1,114	1,144	1,186	1,235	1,280	1,369	1,628	1,894	1,979
80-84	1,056	1,116	1,174	1,230	1,261	1,291	1,324	1,363	1,382	1,411	1,428	1,430	1,433	1,454	1,481	1,532	1,597	1,662	1,718	1,771	1,821	2,598	3,082	3,242
85+	1,728	1,789	1,847	1,931	2,038	2,154	2,260	2,362	2,485	2,604	2,724	2,847	2,970	3,074	3,176	3,251	3,309	3,364	3,430	3,522	3,630	4,575	6,788	8,486
TOTAL P	4,699	4,861	5,014	5,186	5,355	5,539	5,713	5,889	6,081	6,285	6,499	6,711	6,928	7,144	7,347	7,560	7,771	7,979	8,190	8,423	8,682	10,789	13,809	15,788
% of Pop'n	1.03%	1.06%	1.09%	1.12%	1.15%	1.18%	1.21%	1.24%	1.27%	1.31%	1.35%	1.38%	1.42%	1.46%	1.49%	1.53%	1.57%	1.60%	1.64%	1.68%	1.72%	2.04%	2.52%	2.84%



TABLE 9 DEMENTIA PREVALENCE BY AGE & GENDER, GREATER WESTERN AHS, 2002-2050

Greater Western	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050	
Male																									
0-59	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11
60-64	85	86	88	92	94	99	105	108	111	115	115	116	117	118	119	120	121	123	124	126	127	122	123	132	132
65-69	101	107	110	113	115	116	117	121	126	130	138	146	152	156	162	161	162	164	165	167	167	183	189	192	192
70-74	187	184	182	180	180	186	195	201	207	212	217	221	229	240	248	264	279	288	295	306	306	334	349	356	356
75-79	213	223	234	241	247	249	245	243	242	244	255	269	280	289	297	304	311	321	337	348	371	436	516	542	542
80-84	242	254	266	276	287	299	315	331	343	355	360	358	358	361	367	384	405	423	435	446	458	661	784	842	842
85+	302	308	317	333	354	372	387	402	425	452	478	506	531	553	577	594	603	614	625	647	676	908	1,368	1,741	1,741
TOTAL M	1,142	1,174	1,209	1,247	1,289	1,334	1,376	1,418	1,465	1,520	1,574	1,627	1,678	1,729	1,781	1,839	1,892	1,944	1,992	2,050	2,116	2,656	3,341	3,816	3,816
% of M Pop'n	0.75%	0.77%	0.79%	0.82%	0.84%	0.87%	0.90%	0.92%	0.95%	0.99%	1.02%	1.06%	1.09%	1.12%	1.16%	1.19%	1.23%	1.26%	1.29%	1.33%	1.38%	1.65%	2.01%	2.27%	2.27%
Female																									
0-59	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	10	10
60-64	42	43	44	46	47	49	51	53	54	56	56	57	58	59	59	60	62	63	64	65	65	63	63	68	68
65-69	75	78	80	82	83	85	87	90	92	95	101	106	110	113	117	116	117	118	120	121	123	135	140	142	142
70-74	181	182	180	182	185	189	194	199	204	208	214	220	228	236	243	258	270	278	285	294	291	318	333	339	339
75-79	287	297	303	300	304	307	304	302	306	312	321	332	343	353	360	368	379	392	404	415	442	519	613	645	645
80-84	419	421	436	446	453	463	478	488	483	492	498	497	497	506	517	532	549	566	582	593	608	877	1,041	1,117	1,117
85+	830	860	878	905	933	957	980	1,012	1,050	1,084	1,122	1,161	1,196	1,214	1,246	1,270	1,282	1,294	1,305	1,339	1,373	1,843	2,777	3,535	3,535
TOTAL F	1,845	1,892	1,933	1,974	2,017	2,062	2,107	2,154	2,201	2,259	2,322	2,385	2,442	2,493	2,554	2,615	2,669	2,723	2,771	2,838	2,912	3,766	4,977	5,855	5,855
% of F Pop'n	1.23%	1.26%	1.29%	1.31%	1.34%	1.36%	1.39%	1.42%	1.45%	1.49%	1.53%	1.57%	1.60%	1.64%	1.68%	1.72%	1.75%	1.78%	1.82%	1.86%	1.91%	2.34%	2.96%	3.41%	3.41%
Persons																									
0-59	24	25	25	25	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	23	22	22	22	21	21
60-64	126	129	132	137	141	149	156	161	165	171	171	172	175	177	178	180	183	186	188	190	192	185	187	200	200
65-69	176	184	189	194	198	201	204	210	218	225	239	252	261	269	278	277	279	282	284	286	290	318	329	334	334
70-74	368	366	362	362	365	375	388	400	410	420	431	441	457	476	491	522	548	566	580	600	597	652	683	695	695
75-79	500	520	537	541	551	555	549	545	548	556	576	601	622	642	657	672	690	714	741	763	813	955	1,129	1,187	1,187
80-84	661	676	702	723	740	762	794	818	826	847	857	854	855	867	884	915	954	989	1,017	1,040	1,066	1,538	1,825	1,959	1,959
85+	1,132	1,168	1,195	1,238	1,288	1,329	1,367	1,414	1,474	1,537	1,599	1,667	1,726	1,767	1,823	1,864	1,885	1,908	1,930	1,986	2,049	2,751	4,145	5,276	5,276
TOTAL P	2,987	3,067	3,142	3,220	3,306	3,395	3,483	3,572	3,666	3,779	3,897	4,012	4,120	4,222	4,336	4,454	4,561	4,667	4,762	4,888	5,029	6,421	8,319	9,671	9,671
% of Pop'n	0.99%	1.01%	1.04%	1.06%	1.09%	1.12%	1.14%	1.17%	1.20%	1.24%	1.27%	1.31%	1.35%	1.38%	1.41%	1.45%	1.49%	1.52%	1.55%	1.60%	1.64%	2.00%	2.49%	2.84%	2.84%



TABLE 10 DEMENTIA PREVALENCE BY AGE & GENDER, HUNTER/NEW ENGLAND AHS, 2002-2050

Hunter/New England																						2030	2040	2050
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
Male																								
0-59	33	34	34	34	34	34	34	34	33	33	34	34	34	34	34	33	33	33	33	33	33	32	31	31
60-64	228	235	246	259	270	286	302	311	319	328	329	332	337	342	347	352	358	364	368	373	376	363	366	391
65-69	287	297	307	317	323	332	341	356	373	391	417	442	458	471	484	483	487	492	498	505	512	562	581	590
70-74	531	527	526	527	533	552	568	588	608	625	645	667	700	738	771	820	869	897	920	943	943	1,030	1,078	1,097
75-79	681	701	716	722	730	734	728	727	730	746	779	810	843	877	901	933	962	1,009	1,059	1,107	1,183	1,389	1,642	1,727
80-84	807	870	921	962	1,000	1,023	1,056	1,079	1,093	1,113	1,130	1,133	1,140	1,152	1,183	1,237	1,286	1,338	1,388	1,431	1,483	2,139	2,539	2,725
85+	956	979	1,025	1,096	1,182	1,269	1,354	1,435	1,522	1,616	1,695	1,790	1,873	1,946	2,019	2,075	2,122	2,167	2,209	2,289	2,387	3,205	4,829	6,147
TOTAL M	3,524	3,644	3,775	3,917	4,071	4,229	4,383	4,529	4,679	4,851	5,028	5,207	5,384	5,560	5,739	5,934	6,117	6,299	6,475	6,680	6,916	8,720	11,067	12,708
% of M Pop'n	0.86%	0.88%	0.91%	0.93%	0.97%	1.00%	1.03%	1.06%	1.09%	1.12%	1.16%	1.20%	1.23%	1.27%	1.30%	1.34%	1.38%	1.42%	1.45%	1.49%	1.54%	1.85%	2.27%	2.56%
Female																								
0-59	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	32	31	31	30	
60-64	119	122	127	133	138	148	156	161	167	172	174	177	180	183	185	188	191	195	198	201	203	196	197	211
65-69	219	227	235	242	247	251	257	266	278	291	312	330	343	356	367	369	375	379	384	388	393	432	447	453
70-74	560	555	549	549	549	563	580	600	618	633	649	667	695	727	760	812	856	888	918	945	951	1,039	1,087	1,106
75-79	918	944	962	960	965	960	945	935	937	945	976	1,011	1,053	1,087	1,114	1,137	1,166	1,212	1,264	1,321	1,412	1,659	1,961	2,062
80-84	1,322	1,376	1,428	1,483	1,502	1,526	1,564	1,596	1,599	1,620	1,624	1,614	1,605	1,619	1,635	1,686	1,745	1,808	1,861	1,906	1,948	2,811	3,336	3,581
85+	2,448	2,554	2,640	2,748	2,895	3,032	3,163	3,284	3,432	3,578	3,719	3,875	4,008	4,117	4,221	4,287	4,348	4,396	4,449	4,535	4,650	6,243	9,407	11,973
TOTAL F	5,617	5,811	5,975	6,147	6,331	6,513	6,698	6,875	7,064	7,272	7,486	7,706	7,916	8,122	8,315	8,513	8,714	8,911	9,105	9,328	9,589	12,411	16,466	19,417
% of F Pop'n	1.35%	1.38%	1.41%	1.45%	1.48%	1.52%	1.55%	1.58%	1.62%	1.66%	1.70%	1.74%	1.78%	1.82%	1.86%	1.90%	1.93%	1.97%	2.01%	2.05%	2.10%	2.57%	3.25%	3.73%
Persons																								
0-59	66	67	67	67	67	67	67	66	66	66	66	67	67	67	66	66	66	66	65	65	65	63	62	61
60-64	347	358	374	392	408	434	458	472	486	500	502	509	517	525	533	540	549	559	566	573	579	558	563	602
65-69	505	524	542	559	571	583	598	622	651	681	728	772	801	828	851	852	861	872	882	893	905	994	1,029	1,043
70-74	1,090	1,082	1,075	1,076	1,082	1,116	1,148	1,188	1,226	1,258	1,294	1,333	1,394	1,465	1,531	1,633	1,725	1,785	1,837	1,889	1,894	2,069	2,165	2,203
75-79	1,599	1,645	1,678	1,682	1,695	1,693	1,674	1,661	1,667	1,691	1,755	1,821	1,895	1,964	2,015	2,070	2,128	2,220	2,323	2,428	2,595	3,048	3,603	3,789
80-84	2,128	2,246	2,349	2,445	2,502	2,549	2,620	2,675	2,692	2,733	2,754	2,747	2,746	2,771	2,818	2,923	3,031	3,146	3,249	3,337	3,431	4,950	5,876	6,306
85+	3,404	3,533	3,666	3,844	4,077	4,300	4,517	4,719	4,955	5,194	5,414	5,665	5,881	6,062	6,240	6,363	6,470	6,563	6,659	6,823	7,037	9,449	14,236	18,120
TOTAL P	9,140	9,455	9,751	10,064	10,402	10,743	11,081	11,404	11,743	12,123	12,514	12,913	13,301	13,682	14,053	14,447	14,831	15,210	15,580	16,009	16,505	21,131	27,533	32,125
% of Pop'n	1.10%	1.13%	1.16%	1.19%	1.23%	1.26%	1.29%	1.32%	1.36%	1.39%	1.43%	1.47%	1.51%	1.55%	1.58%	1.62%	1.66%	1.70%	1.73%	1.77%	1.82%	2.21%	2.77%	3.16%



TABLE 11 DEMENTIA PREVALENCE BY AGE & GENDER, NORTH COAST AHS, 2002-2050

North Coast	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17
60-64	135	138	143	150	158	168	179	188	196	205	209	214	217	221	224	227	230	235	238	240	242	234	235	252
65-69	181	186	193	199	202	207	211	219	229	241	258	276	289	303	315	319	325	329	332	336	341	375	388	393
70-74	359	360	355	355	355	362	372	384	396	406	419	430	450	473	497	530	563	588	611	633	640	699	732	745
75-79	475	489	504	504	509	513	513	507	510	515	531	550	572	595	611	630	647	674	708	744	794	932	1,102	1,159
80-84	592	615	644	674	694	711	735	760	766	783	795	802	801	810	823	851	884	920	953	979	1,012	1,460	1,733	1,860
85+	660	718	761	817	885	944	1,005	1,061	1,129	1,199	1,262	1,333	1,401	1,453	1,511	1,553	1,596	1,629	1,660	1,711	1,773	2,381	3,587	4,566
TOTAL M	2,421	2,524	2,617	2,717	2,821	2,924	3,033	3,137	3,245	3,367	3,492	3,623	3,749	3,873	3,999	4,128	4,263	4,393	4,519	4,661	4,820	6,098	7,794	8,991
% of M Pop'n	1.07%	1.11%	1.14%	1.17%	1.20%	1.24%	1.27%	1.31%	1.34%	1.38%	1.42%	1.47%	1.51%	1.55%	1.59%	1.63%	1.67%	1.71%	1.75%	1.79%	1.84%	2.20%	2.70%	3.04%
Female																								
0-59	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17
60-64	72	74	77	80	84	89	95	99	103	107	109	112	116	119	122	124	127	130	132	134	136	131	132	142
65-69	142	147	152	155	157	160	163	169	176	184	197	209	219	228	237	241	246	252	257	262	267	293	304	308
70-74	358	360	358	361	363	373	384	396	405	414	424	435	454	475	495	528	558	581	602	624	632	691	723	735
75-79	592	604	616	622	626	629	627	624	630	637	659	684	708	728	745	761	780	810	844	879	938	1,102	1,303	1,370
80-84	828	869	901	932	959	976	993	1,012	1,025	1,040	1,050	1,052	1,051	1,068	1,083	1,119	1,159	1,200	1,229	1,258	1,288	1,858	2,205	2,367
85+	1,483	1,567	1,651	1,742	1,855	1,959	2,061	2,154	2,258	2,377	2,480	2,583	2,679	2,766	2,858	2,921	2,971	3,012	3,071	3,148	3,239	4,350	6,554	8,342
TOTAL F	3,493	3,639	3,773	3,910	4,063	4,205	4,341	4,472	4,615	4,778	4,938	5,093	5,245	5,403	5,558	5,712	5,860	6,003	6,154	6,325	6,519	8,443	11,238	13,281
% of F Pop'n	1.50%	1.55%	1.59%	1.63%	1.68%	1.72%	1.76%	1.80%	1.84%	1.89%	1.94%	1.99%	2.03%	2.08%	2.12%	2.17%	2.21%	2.25%	2.29%	2.34%	2.40%	2.91%	3.67%	4.20%
Persons																								
0-59	35	35	36	36	36	36	36	36	36	36	36	36	36	37	36	36	36	36	36	36	36	35	34	34
60-64	207	212	220	230	241	258	274	286	299	312	318	326	333	340	346	352	358	365	370	374	379	365	368	394
65-69	323	334	345	354	360	367	374	388	405	425	456	485	508	531	552	559	570	581	590	599	609	668	692	701
70-74	717	720	713	716	718	736	756	780	802	820	843	866	903	948	992	1,058	1,121	1,169	1,213	1,257	1,272	1,390	1,454	1,480
75-79	1,068	1,094	1,120	1,126	1,135	1,142	1,140	1,131	1,140	1,152	1,190	1,233	1,280	1,323	1,356	1,391	1,427	1,484	1,552	1,623	1,732	2,035	2,405	2,529
80-84	1,421	1,484	1,545	1,606	1,653	1,687	1,729	1,773	1,791	1,823	1,845	1,854	1,853	1,878	1,906	1,970	2,043	2,120	2,182	2,238	2,299	3,318	3,938	4,227
85+	2,143	2,285	2,412	2,559	2,740	2,904	3,066	3,215	3,387	3,576	3,742	3,916	4,080	4,219	4,369	4,474	4,567	4,641	4,731	4,859	5,012	6,731	10,141	12,908
TOTAL P	5,915	6,163	6,389	6,627	6,884	7,130	7,374	7,609	7,860	8,145	8,430	8,716	8,994	9,276	9,557	9,840	10,122	10,396	10,672	10,986	11,339	14,541	19,031	22,272
% of Pop'n	1.29%	1.33%	1.37%	1.40%	1.45%	1.48%	1.52%	1.56%	1.60%	1.64%	1.69%	1.73%	1.77%	1.82%	1.86%	1.90%	1.94%	1.98%	2.02%	2.07%	2.13%	2.57%	3.20%	3.64%



TABLE 12 DEMENTIA PREVALENCE BY AGE & GENDER, NORTHERN SYDNEY/CENTRAL COAST AHS, 2002-2050

Northern Sydney/Central Coast																								
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	44	44	45	45	45	45	45	46	46	46	47	47	47	48	48	48	48	48	48	48	49	47	47	46
60-64	273	281	294	307	320	341	360	369	378	386	382	384	388	393	398	404	412	421	429	440	452	436	439	470
65-69	320	325	336	349	359	370	381	399	417	438	470	499	515	531	542	536	537	542	546	553	562	618	639	648
70-74	621	613	599	590	589	600	612	633	660	683	709	735	775	814	856	916	972	1,002	1,030	1,051	1,043	1,139	1,192	1,213
75-79	854	865	882	886	884	883	873	858	850	857	882	910	948	995	1,030	1,069	1,107	1,163	1,219	1,282	1,376	1,616	1,910	2,009
80-84	1,152	1,220	1,274	1,315	1,339	1,346	1,366	1,400	1,417	1,430	1,442	1,440	1,433	1,432	1,452	1,497	1,548	1,614	1,689	1,750	1,819	2,624	3,115	3,343
85+	1,454	1,529	1,582	1,682	1,811	1,936	2,049	2,144	2,259	2,380	2,484	2,595	2,709	2,811	2,897	2,964	3,020	3,071	3,117	3,203	3,309	4,443	6,694	8,521
TOTAL M	4,717	4,877	5,012	5,174	5,348	5,521	5,686	5,849	6,027	6,220	6,415	6,611	6,816	7,024	7,222	7,435	7,644	7,861	8,078	8,328	8,609	10,924	14,037	16,250
% of M Pop'n	0.89%	0.91%	0.93%	0.95%	0.97%	0.99%	1.01%	1.03%	1.06%	1.08%	1.11%	1.13%	1.16%	1.18%	1.21%	1.23%	1.26%	1.28%	1.31%	1.34%	1.38%	1.67%	2.08%	2.38%
Female																								
0-59	44	45	45	45	45	46	46	46	46	46	47	47	47	48	48	48	48	48	48	48	48	47	46	45
60-64	145	149	156	164	171	183	194	200	206	212	211	214	216	218	220	222	226	230	234	239	244	235	237	254
65-69	260	264	272	278	284	291	298	310	326	342	369	393	408	423	434	432	435	438	441	445	450	494	511	518
70-74	704	679	663	656	652	659	671	689	707	725	747	771	808	851	892	959	1,019	1,056	1,089	1,118	1,115	1,218	1,274	1,297
75-79	1,248	1,255	1,251	1,232	1,228	1,207	1,170	1,144	1,135	1,137	1,158	1,188	1,230	1,266	1,299	1,336	1,375	1,436	1,506	1,579	1,699	1,996	2,359	2,481
80-84	2,001	2,059	2,115	2,160	2,135	2,115	2,129	2,130	2,107	2,115	2,097	2,054	2,025	2,026	2,036	2,072	2,124	2,193	2,251	2,311	2,378	3,432	4,073	4,371
85+	4,076	4,224	4,324	4,452	4,687	4,903	5,071	5,221	5,387	5,547	5,703	5,877	6,009	6,106	6,217	6,262	6,289	6,304	6,334	6,428	6,518	8,752	13,186	16,785
TOTAL F	8,478	8,676	8,826	8,988	9,202	9,403	9,578	9,741	9,914	10,125	10,332	10,543	10,742	10,938	11,144	11,331	11,516	11,706	11,903	12,169	12,452	16,174	21,688	25,752
% of F Pop'n	1.51%	1.54%	1.55%	1.57%	1.59%	1.62%	1.63%	1.65%	1.67%	1.69%	1.71%	1.74%	1.76%	1.78%	1.80%	1.82%	1.84%	1.85%	1.87%	1.90%	1.93%	2.39%	3.06%	3.55%
Persons																								
0-59	88	89	89	90	90	91	91	91	92	92	93	94	95	95	96	96	96	96	96	96	96	94	93	91
60-64	418	430	450	470	491	524	554	569	585	597	594	597	604	611	617	627	638	651	663	679	696	671	676	724
65-69	580	589	608	628	643	661	679	709	743	780	838	892	924	954	976	968	973	980	988	998	1,012	1,112	1,150	1,166
70-74	1,325	1,292	1,262	1,246	1,241	1,258	1,282	1,322	1,366	1,407	1,456	1,506	1,582	1,666	1,747	1,875	1,991	2,058	2,119	2,170	2,158	2,357	2,466	2,510
75-79	2,102	2,120	2,133	2,119	2,112	2,089	2,043	2,002	1,986	1,995	2,041	2,098	2,178	2,261	2,329	2,405	2,482	2,598	2,725	2,861	3,075	3,612	4,270	4,490
80-84	3,153	3,279	3,389	3,476	3,474	3,461	3,495	3,530	3,523	3,545	3,538	3,494	3,458	3,458	3,488	3,569	3,671	3,807	3,939	4,061	4,197	6,056	7,188	7,715
85+	5,530	5,753	5,906	6,133	6,498	6,840	7,120	7,366	7,646	7,928	8,186	8,472	8,719	8,917	9,114	9,227	9,309	9,375	9,451	9,631	9,827	13,195	19,881	25,305
TOTAL P	13,195	13,553	13,838	14,162	14,550	14,924	15,264	15,590	15,941	16,344	16,747	17,154	17,559	17,962	18,366	18,766	19,160	19,566	19,981	20,496	21,061	27,097	35,724	42,002
% of Pop'n	1.21%	1.23%	1.25%	1.27%	1.29%	1.31%	1.33%	1.35%	1.37%	1.39%	1.42%	1.44%	1.46%	1.49%	1.51%	1.53%	1.55%	1.57%	1.60%	1.63%	1.66%	2.04%	2.58%	2.98%



TABLE 13 DEMENTIA PREVALENCE BY AGE & GENDER, SOUTH EASTERN SYDNEY/ILLAWARRA AHS, 2002-2050

South Eastern Sydney/Illawarra																					2030	2040	2050	
Male	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
0-59	47	48	48	48	49	49	49	49	49	49	50	50	50	51	51	51	51	51	51	51	51	50	49	48
60-64	288	295	304	317	328	350	367	379	388	399	397	399	403	409	414	421	429	438	445	456	467	450	453	485
65-69	352	363	372	382	388	396	405	418	436	455	488	516	536	552	566	563	565	570	575	582	592	650	672	682
70-74	655	645	642	636	641	654	673	691	713	731	750	773	804	844	880	944	998	1,034	1,060	1,089	1,083	1,183	1,238	1,260
75-79	864	891	913	921	928	923	910	907	903	918	946	983	1,018	1,058	1,086	1,114	1,149	1,196	1,252	1,308	1,405	1,650	1,951	2,051
80-84	1,080	1,142	1,212	1,271	1,297	1,328	1,369	1,409	1,431	1,454	1,462	1,456	1,464	1,469	1,501	1,550	1,614	1,671	1,734	1,788	1,841	2,657	3,153	3,384
85+	1,285	1,351	1,399	1,493	1,627	1,744	1,847	1,954	2,078	2,199	2,319	2,443	2,566	2,676	2,772	2,837	2,890	2,962	3,019	3,120	3,223	4,328	6,520	8,300
TOTAL M	4,571	4,734	4,889	5,068	5,257	5,443	5,620	5,806	5,999	6,205	6,413	6,621	6,841	7,059	7,270	7,480	7,696	7,922	8,137	8,393	8,661	10,967	14,037	16,211
% of M Pop'n	0.80%	0.82%	0.84%	0.87%	0.89%	0.92%	0.94%	0.96%	0.99%	1.02%	1.04%	1.07%	1.10%	1.13%	1.15%	1.18%	1.20%	1.23%	1.26%	1.29%	1.32%	1.61%	1.99%	2.27%
Female																								
0-59	46	46	47	47	47	47	47	48	48	48	48	49	49	49	49	49	50	50	50	50	49	48	48	47
60-64	150	152	157	164	170	181	190	196	202	208	209	212	214	218	221	224	228	233	236	241	247	238	240	256
65-69	275	281	288	293	297	301	305	315	328	342	366	388	403	417	430	430	434	439	443	449	455	500	517	524
70-74	709	701	686	681	678	689	703	723	737	751	766	782	812	850	885	947	1,001	1,037	1,070	1,102	1,103	1,205	1,260	1,283
75-79	1,221	1,229	1,239	1,231	1,230	1,210	1,194	1,169	1,164	1,169	1,199	1,233	1,274	1,307	1,331	1,356	1,384	1,434	1,495	1,558	1,669	1,961	2,317	2,437
80-84	1,752	1,842	1,935	1,986	1,997	2,017	2,029	2,048	2,042	2,055	2,041	2,030	2,005	2,011	2,024	2,073	2,130	2,196	2,246	2,293	2,341	3,379	4,010	4,304
85+	3,309	3,414	3,496	3,670	3,905	4,091	4,272	4,450	4,641	4,838	5,018	5,181	5,349	5,480	5,616	5,678	5,738	5,778	5,833	5,945	6,059	8,136	12,258	15,602
TOTAL F	7,461	7,665	7,848	8,071	8,323	8,536	8,740	8,948	9,163	9,412	9,648	9,874	10,107	10,332	10,556	10,757	10,965	11,167	11,374	11,637	11,923	15,465	20,650	24,454
% of F Pop'n	1.30%	1.32%	1.34%	1.37%	1.40%	1.43%	1.45%	1.48%	1.50%	1.53%	1.56%	1.59%	1.61%	1.64%	1.67%	1.69%	1.71%	1.73%	1.75%	1.78%	1.82%	2.24%	2.87%	3.33%
Persons																								
0-59	93	94	95	95	96	96	96	97	97	97	98	99	99	100	100	100	101	101	101	101	101	98	97	95
60-64	438	447	461	481	498	531	558	575	591	607	606	611	618	627	634	645	657	671	682	697	713	688	693	742
65-69	626	644	660	675	685	696	709	732	764	796	854	904	939	969	996	993	1,000	1,008	1,019	1,031	1,047	1,149	1,189	1,206
70-74	1,364	1,347	1,327	1,317	1,318	1,343	1,377	1,413	1,450	1,482	1,517	1,555	1,616	1,694	1,766	1,891	1,999	2,071	2,130	2,191	2,186	2,388	2,499	2,543
75-79	2,085	2,119	2,151	2,152	2,157	2,133	2,104	2,075	2,067	2,088	2,146	2,217	2,292	2,365	2,417	2,471	2,532	2,630	2,747	2,866	3,074	3,611	4,268	4,488
80-84	2,831	2,984	3,147	3,256	3,294	3,345	3,397	3,456	3,473	3,510	3,504	3,486	3,468	3,480	3,524	3,623	3,744	3,868	3,981	4,081	4,182	6,035	7,164	7,688
85+	4,594	4,764	4,896	5,162	5,532	5,835	6,119	6,405	6,719	7,037	7,337	7,624	7,915	8,156	8,388	8,516	8,628	8,740	8,853	9,064	9,282	12,464	18,778	23,902
TOTAL P	12,032	12,400	12,737	13,139	13,580	13,978	14,360	14,754	15,161	15,617	16,061	16,496	16,948	17,391	17,826	18,238	18,661	19,088	19,511	20,030	20,584	26,432	34,687	40,664
% of Pop'n	1.05%	1.07%	1.10%	1.12%	1.15%	1.17%	1.20%	1.22%	1.25%	1.27%	1.30%	1.33%	1.36%	1.38%	1.41%	1.43%	1.46%	1.48%	1.51%	1.54%	1.57%	1.93%	2.44%	2.81%



TABLE 14 DEMENTIA PREVALENCE BY AGE & GENDER, SOUTH WESTERN SYDNEY AHS, 2002-2050

South Western Sydney																						2030	2040	2050
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
Male																								
0-59	56	57	57	58	58	58	58	59	59	60	60	61	61	62	62	62	63	63	63	63	63	61	61	60
60-64	286	294	307	320	335	359	382	398	412	425	427	431	436	444	452	460	471	484	496	509	524	505	509	545
65-69	337	345	353	366	374	384	395	413	432	454	490	525	549	570	588	589	593	598	606	616	628	689	713	723
70-74	597	596	595	593	604	616	632	650	676	695	721	748	788	828	872	940	1,005	1,048	1,084	1,118	1,121	1,224	1,281	1,304
75-79	731	762	787	808	816	825	824	824	826	849	874	905	939	984	1,013	1,049	1,088	1,147	1,203	1,269	1,371	1,611	1,904	2,002
80-84	855	920	979	1,020	1,064	1,101	1,149	1,192	1,228	1,254	1,282	1,293	1,306	1,321	1,362	1,406	1,457	1,512	1,581	1,637	1,700	2,454	2,912	3,126
85+	984	1,030	1,080	1,160	1,255	1,351	1,440	1,533	1,627	1,739	1,845	1,960	2,070	2,170	2,259	2,337	2,406	2,472	2,532	2,635	2,736	3,673	5,534	7,044
TOTAL M	3,847	4,004	4,159	4,325	4,505	4,693	4,880	5,069	5,260	5,476	5,699	5,922	6,150	6,379	6,608	6,843	7,083	7,325	7,566	7,848	8,142	10,217	12,914	14,803
% of M Pop'n	0.59%	0.61%	0.63%	0.65%	0.67%	0.69%	0.71%	0.73%	0.75%	0.77%	0.80%	0.82%	0.85%	0.87%	0.89%	0.92%	0.94%	0.97%	0.99%	1.02%	1.05%	1.27%	1.57%	1.78%
Female																								
0-59	55	55	56	56	57	57	57	58	58	58	59	59	60	60	60	61	61	61	61	61	61	60	59	58
60-64	145	148	153	158	165	178	191	201	211	221	225	228	232	236	239	243	249	255	259	266	272	262	264	283
65-69	258	264	270	278	282	287	292	302	314	329	357	386	407	429	448	453	458	464	470	476	482	530	548	556
70-74	635	630	626	625	628	637	651	666	686	702	719	737	768	803	840	911	980	1,030	1,079	1,124	1,136	1,242	1,299	1,322
75-79	1,021	1,039	1,056	1,059	1,066	1,063	1,054	1,048	1,048	1,059	1,083	1,115	1,149	1,190	1,219	1,247	1,278	1,329	1,386	1,451	1,574	1,849	2,185	2,298
80-84	1,406	1,492	1,566	1,633	1,670	1,686	1,715	1,744	1,754	1,781	1,788	1,785	1,785	1,795	1,820	1,860	1,915	1,970	2,034	2,088	2,140	3,088	3,665	3,934
85+	2,566	2,651	2,732	2,859	3,046	3,232	3,392	3,540	3,714	3,899	4,057	4,216	4,366	4,498	4,638	4,715	4,782	4,845	4,905	5,028	5,128	6,886	10,375	13,206
TOTAL F	6,086	6,278	6,459	6,668	6,913	7,141	7,353	7,559	7,786	8,049	8,288	8,527	8,767	9,010	9,263	9,488	9,722	9,955	10,194	10,493	10,794	13,916	18,396	21,657
% of F Pop'n	0.93%	0.95%	0.97%	0.99%	1.02%	1.04%	1.07%	1.09%	1.11%	1.14%	1.16%	1.18%	1.21%	1.23%	1.26%	1.28%	1.30%	1.32%	1.34%	1.37%	1.40%	1.73%	2.22%	2.57%
Persons																								
0-59	111	112	113	114	115	115	116	116	117	118	119	120	121	122	122	123	123	124	124	124	124	121	120	118
60-64	431	442	460	478	499	537	573	599	623	646	652	659	668	680	691	703	720	739	755	775	796	767	773	828
65-69	596	609	623	644	656	671	687	716	746	783	848	910	956	999	1,036	1,042	1,050	1,062	1,076	1,092	1,110	1,219	1,261	1,279
70-74	1,233	1,226	1,221	1,217	1,232	1,253	1,283	1,316	1,363	1,397	1,440	1,485	1,556	1,631	1,711	1,850	1,984	2,078	2,163	2,243	2,257	2,466	2,580	2,626
75-79	1,753	1,801	1,843	1,867	1,882	1,888	1,878	1,872	1,874	1,908	1,957	2,020	2,088	2,174	2,232	2,295	2,366	2,477	2,589	2,720	2,945	3,459	4,089	4,300
80-84	2,261	2,412	2,545	2,653	2,733	2,788	2,864	2,937	2,983	3,035	3,070	3,079	3,091	3,116	3,182	3,266	3,373	3,482	3,615	3,725	3,840	5,541	6,577	7,059
85+	3,550	3,681	3,812	4,019	4,301	4,583	4,833	5,073	5,341	5,638	5,903	6,176	6,437	6,668	6,897	7,052	7,188	7,318	7,437	7,663	7,864	10,560	15,910	20,251
TOTAL P	9,933	10,282	10,618	10,993	11,419	11,834	12,234	12,628	13,046	13,525	13,988	14,449	14,916	15,390	15,872	16,332	16,805	17,279	17,760	18,342	18,936	24,133	31,310	36,460
% of Pop'n	0.76%	0.78%	0.80%	0.82%	0.84%	0.87%	0.89%	0.91%	0.93%	0.95%	0.98%	1.00%	1.03%	1.05%	1.07%	1.10%	1.12%	1.14%	1.16%	1.19%	1.22%	1.50%	1.90%	2.18%



TABLE 15 DEMENTIA PREVALENCE BY AGE & GENDER, WESTERN SYDNEY AHS, 2002-2050

Western Sydney	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	46	47	47	48	48	48	49	49	49	50	50	51	51	52	52	52	53	53	53	53	54	52	52	51
60-64	228	240	256	271	288	314	335	348	361	371	371	374	377	381	386	391	400	410	420	432	444	428	432	462
65-69	246	257	270	286	298	307	322	342	362	386	423	454	475	494	507	506	508	511	515	523	530	582	603	611
70-74	404	406	410	415	426	445	466	489	517	540	562	592	632	674	717	785	840	876	909	935	933	1,019	1,066	1,085
75-79	500	520	537	547	562	567	570	576	584	604	637	671	708	753	787	818	860	916	973	1,037	1,136	1,334	1,577	1,658
80-84	591	643	686	721	745	776	805	834	855	884	901	913	930	950	985	1,038	1,093	1,152	1,220	1,277	1,332	1,921	2,281	2,448
85+	650	696	740	805	878	955	1,029	1,099	1,173	1,247	1,331	1,412	1,491	1,563	1,635	1,695	1,747	1,805	1,855	1,938	2,034	2,731	4,115	5,238
TOTAL M	2,665	2,809	2,946	3,093	3,244	3,414	3,575	3,737	3,902	4,083	4,276	4,467	4,664	4,866	5,069	5,286	5,501	5,724	5,945	6,195	6,462	8,069	10,125	11,553
% of M Pop'n	0.50%	0.53%	0.54%	0.56%	0.58%	0.61%	0.63%	0.65%	0.67%	0.69%	0.72%	0.74%	0.77%	0.79%	0.82%	0.84%	0.87%	0.90%	0.92%	0.95%	0.99%	1.19%	1.46%	1.66%
Female																								
0-59	45	46	46	47	47	47	48	48	48	48	49	49	50	50	51	51	51	51	51	52	52	50	50	49
60-64	114	119	127	136	144	158	170	179	186	194	196	198	201	204	206	208	213	218	222	228	233	224	226	242
65-69	187	195	204	211	219	229	238	251	269	285	315	340	359	376	391	392	396	400	404	408	413	454	470	476
70-74	448	446	443	443	453	463	480	501	520	541	566	590	626	670	710	780	840	885	922	958	962	1,051	1,100	1,119
75-79	741	752	761	758	758	758	754	748	751	771	794	828	867	903	937	976	1,015	1,073	1,143	1,211	1,330	1,562	1,846	1,942
80-84	1,041	1,105	1,151	1,208	1,231	1,239	1,255	1,272	1,271	1,282	1,292	1,295	1,292	1,303	1,338	1,375	1,432	1,493	1,546	1,605	1,670	2,409	2,860	3,069
85+	1,784	1,871	1,965	2,071	2,219	2,370	2,497	2,611	2,753	2,886	2,999	3,114	3,218	3,314	3,406	3,471	3,527	3,566	3,616	3,722	3,810	5,116	7,708	9,811
TOTAL F	4,361	4,533	4,697	4,875	5,071	5,264	5,442	5,610	5,799	6,008	6,209	6,415	6,612	6,820	7,039	7,253	7,474	7,686	7,905	8,184	8,469	10,867	14,259	16,708
% of F Pop'n	0.82%	0.85%	0.87%	0.89%	0.91%	0.94%	0.96%	0.98%	1.00%	1.03%	1.05%	1.07%	1.10%	1.12%	1.14%	1.17%	1.19%	1.21%	1.24%	1.27%	1.30%	1.61%	2.05%	2.37%
Persons																								
0-59	92	93	94	95	95	96	96	97	97	98	99	100	101	102	103	103	104	104	105	105	105	102	101	100
60-64	343	360	383	407	431	472	504	527	547	565	567	572	577	585	591	600	613	628	642	659	677	653	658	704
65-69	433	452	474	498	517	536	559	593	631	671	738	793	833	870	898	898	905	911	919	931	944	1,036	1,072	1,087
70-74	852	852	852	858	879	908	946	990	1,037	1,081	1,128	1,182	1,258	1,344	1,427	1,564	1,680	1,761	1,831	1,893	1,895	2,070	2,166	2,205
75-79	1,242	1,272	1,298	1,305	1,319	1,325	1,324	1,324	1,335	1,376	1,430	1,499	1,575	1,656	1,724	1,795	1,875	1,989	2,116	2,248	2,465	2,896	3,423	3,600
80-84	1,632	1,747	1,837	1,929	1,976	2,015	2,060	2,106	2,126	2,166	2,193	2,208	2,223	2,253	2,324	2,413	2,525	2,646	2,766	2,883	3,001	4,331	5,140	5,517
85+	2,433	2,567	2,705	2,876	3,097	3,325	3,526	3,710	3,926	4,133	4,330	4,527	4,709	4,877	5,041	5,166	5,274	5,370	5,471	5,660	5,844	7,847	11,823	15,049
TOTAL P	7,026	7,342	7,643	7,968	8,316	8,677	9,016	9,347	9,701	10,091	10,485	10,881	11,277	11,686	12,108	12,538	12,975	13,410	13,850	14,378	14,932	18,936	24,384	28,261
% of Pop'n	0.66%	0.69%	0.71%	0.73%	0.75%	0.77%	0.79%	0.81%	0.84%	0.86%	0.88%	0.91%	0.93%	0.96%	0.98%	1.01%	1.03%	1.06%	1.08%	1.11%	1.14%	1.40%	1.76%	2.02%



TABLE 16 DEMENTIA PREVALENCE BY AGE & GENDER, ALL METROPOLITAN AHSSs, 2002-2050

All Metro	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	193	195	197	199	200	201	201	202	203	205	207	209	210	212	213	214	215	215	216	216	216	210	208	205
60-64	1,075	1,110	1,161	1,215	1,271	1,363	1,444	1,494	1,539	1,580	1,578	1,587	1,604	1,627	1,649	1,677	1,712	1,753	1,790	1,837	1,887	1,819	1,833	1,963
65-69	1,254	1,290	1,331	1,384	1,419	1,457	1,502	1,571	1,647	1,733	1,871	1,994	2,075	2,148	2,204	2,194	2,203	2,221	2,243	2,274	2,312	2,539	2,628	2,664
70-74	2,277	2,260	2,245	2,233	2,259	2,314	2,383	2,462	2,567	2,649	2,742	2,848	2,999	3,161	3,325	3,584	3,815	3,960	4,083	4,193	4,179	4,566	4,778	4,863
75-79	2,950	3,038	3,119	3,162	3,190	3,198	3,177	3,166	3,163	3,229	3,340	3,469	3,614	3,790	3,916	4,051	4,204	4,422	4,648	4,897	5,287	6,211	7,341	7,720
80-84	3,677	3,925	4,151	4,327	4,445	4,552	4,689	4,835	4,931	5,022	5,087	5,103	5,133	5,172	5,300	5,492	5,711	5,949	6,224	6,452	6,692	9,656	11,461	12,301
85+	4,374	4,606	4,801	5,139	5,571	5,986	6,365	6,730	7,137	7,566	7,979	8,410	8,837	9,220	9,563	9,834	10,063	10,310	10,523	10,896	11,301	15,175	22,864	29,102
TOTAL M	15,800	16,425	17,006	17,659	18,354	19,071	19,761	20,461	21,188	21,984	22,803	23,621	24,472	25,329	26,169	27,045	27,924	28,831	29,727	30,764	31,875	40,177	51,113	58,817
% of M Pop'n	0.69%	0.71%	0.73%	0.75%	0.77%	0.80%	0.82%	0.84%	0.86%	0.89%	0.91%	0.94%	0.96%	0.99%	1.01%	1.04%	1.06%	1.09%	1.11%	1.14%	1.17%	1.43%	1.77%	2.01%
Female																								
0-59	190	192	194	196	196	197	198	199	200	201	203	204	206	207	208	209	209	210	210	210	210	204	203	199
60-64	555	569	593	621	649	700	745	776	806	836	841	851	862	876	886	897	916	936	952	973	995	959	967	1,035
65-69	981	1,004	1,034	1,061	1,082	1,107	1,133	1,179	1,237	1,297	1,407	1,506	1,577	1,645	1,702	1,707	1,724	1,741	1,759	1,778	1,800	1,977	2,046	2,074
70-74	2,496	2,456	2,417	2,405	2,411	2,448	2,506	2,579	2,650	2,718	2,798	2,881	3,014	3,174	3,327	3,596	3,839	4,007	4,160	4,303	4,316	4,715	4,934	5,021
75-79	4,231	4,274	4,307	4,280	4,281	4,238	4,172	4,109	4,099	4,137	4,234	4,364	4,519	4,666	4,786	4,915	5,051	5,272	5,530	5,798	6,272	7,368	8,708	9,158
80-84	6,200	6,497	6,768	6,987	7,033	7,056	7,128	7,194	7,174	7,233	7,218	7,164	7,107	7,135	7,217	7,379	7,601	7,853	8,077	8,298	8,529	12,307	14,608	15,678
85+	11,734	12,159	12,517	13,052	13,858	14,597	15,232	15,823	16,495	17,170	17,777	18,388	18,943	19,397	19,877	20,126	20,335	20,494	20,689	21,122	21,515	28,890	43,527	55,404
TOTAL F	26,386	27,152	27,829	28,602	29,510	30,343	31,113	31,858	32,661	33,593	34,477	35,359	36,228	37,100	38,002	38,830	39,677	40,513	41,376	42,483	43,638	56,421	74,993	88,570
% of F Pop'n	1.14%	1.16%	1.18%	1.20%	1.23%	1.25%	1.27%	1.29%	1.31%	1.34%	1.36%	1.39%	1.41%	1.43%	1.46%	1.48%	1.50%	1.52%	1.54%	1.57%	1.60%	1.98%	2.54%	2.95%
Persons																								
0-59	383	387	391	394	396	398	399	401	403	406	409	413	416	419	421	422	424	425	426	426	427	415	411	404
60-64	1,629	1,679	1,754	1,837	1,920	2,063	2,189	2,270	2,346	2,416	2,419	2,439	2,467	2,503	2,534	2,573	2,628	2,689	2,742	2,810	2,883	2,778	2,800	2,998
65-69	2,235	2,294	2,365	2,445	2,501	2,564	2,635	2,750	2,884	3,030	3,278	3,500	3,652	3,793	3,905	3,901	3,927	3,962	4,002	4,052	4,112	4,516	4,673	4,738
70-74	4,773	4,717	4,663	4,638	4,670	4,763	4,889	5,041	5,217	5,368	5,540	5,729	6,012	6,335	6,651	7,180	7,654	7,968	8,243	8,496	8,495	9,281	9,711	9,884
75-79	7,182	7,312	7,426	7,443	7,471	7,435	7,349	7,274	7,262	7,366	7,574	7,834	8,133	8,456	8,702	8,966	9,255	9,694	10,178	10,695	11,559	13,579	16,049	16,878
80-84	9,877	10,422	10,918	11,314	11,478	11,608	11,816	12,029	12,105	12,255	12,305	12,267	12,240	12,306	12,518	12,871	13,313	13,802	14,301	14,749	15,221	21,963	26,069	27,979
85+	16,108	16,766	17,318	18,191	19,428	20,583	21,597	22,553	23,632	24,736	25,756	26,798	27,780	28,617	29,440	29,960	30,399	30,804	31,211	32,018	32,817	44,066	66,391	84,506
TOTAL P	42,186	43,577	44,835	46,261	47,865	49,414	50,874	52,318	53,849	55,577	57,280	58,980	60,699	62,429	64,171	65,875	67,600	69,344	71,103	73,247	75,513	96,598	126,106	147,388
% of Pop'n	0.92%	0.94%	0.96%	0.98%	1.00%	1.03%	1.05%	1.07%	1.09%	1.11%	1.14%	1.16%	1.19%	1.21%	1.24%	1.26%	1.28%	1.30%	1.33%	1.36%	1.39%	1.71%	2.16%	2.49%



TABLE 17 DEMENTIA PREVALENCE BY AGE & GENDER, ALL REGIONAL AHSs, 2002-2050

All Regional	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82	82	82	81	81	80	78	77	76
60-64	580	594	617	645	669	711	751	778	802	829	834	846	860	872	884	896	909	925	936	948	958	923	930	996
65-69	730	759	785	810	825	844	861	893	934	974	1,040	1,104	1,148	1,188	1,226	1,229	1,242	1,258	1,270	1,286	1,303	1,431	1,481	1,501
70-74	1,370	1,364	1,352	1,351	1,362	1,405	1,451	1,502	1,553	1,593	1,642	1,688	1,761	1,851	1,930	2,055	2,177	2,257	2,324	2,396	2,403	2,625	2,747	2,796
75-79	1,727	1,783	1,838	1,859	1,886	1,896	1,883	1,870	1,877	1,909	1,988	2,072	2,161	2,247	2,308	2,378	2,444	2,549	2,670	2,788	2,977	3,497	4,133	4,346
80-84	2,052	2,179	2,296	2,405	2,488	2,560	2,652	2,740	2,785	2,851	2,893	2,900	2,906	2,939	3,003	3,131	3,266	3,403	3,530	3,633	3,754	5,416	6,429	6,900
85+	2,414	2,515	2,631	2,800	3,014	3,221	3,425	3,612	3,836	4,070	4,287	4,533	4,762	4,952	5,152	5,298	5,421	5,531	5,641	5,834	6,076	8,159	12,293	15,647
TOTAL M	8,955	9,276	9,601	9,954	10,328	10,719	11,105	11,478	11,869	12,309	12,766	13,225	13,680	14,132	14,585	15,070	15,541	16,004	16,452	16,965	17,550	22,130	28,090	32,262
% of M Pop'n	0.88%	0.90%	0.93%	0.96%	0.99%	1.02%	1.05%	1.08%	1.11%	1.15%	1.19%	1.23%	1.26%	1.30%	1.33%	1.37%	1.41%	1.45%	1.48%	1.53%	1.57%	1.89%	2.31%	2.60%
Female																								
0-59	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	80	79	79	76	76	74
60-64	299	307	319	332	344	366	384	398	412	427	431	440	449	459	466	474	484	494	501	509	516	496	498	533
65-69	553	574	594	609	621	632	646	669	696	724	775	818	852	884	913	919	934	949	964	978	994	1,088	1,125	1,136
70-74	1,386	1,385	1,375	1,383	1,390	1,424	1,468	1,515	1,555	1,593	1,633	1,679	1,747	1,826	1,898	2,026	2,132	2,211	2,283	2,357	2,370	2,591	2,697	2,736
75-79	2,261	2,320	2,365	2,369	2,386	2,387	2,366	2,348	2,365	2,394	2,469	2,561	2,657	2,740	2,807	2,869	2,945	3,056	3,181	3,307	3,532	4,169	4,898	5,138
80-84	3,214	3,343	3,473	3,598	3,667	3,730	3,815	3,889	3,906	3,963	3,992	3,985	3,981	4,032	4,085	4,209	4,359	4,513	4,636	4,751	4,863	6,988	8,292	8,834
85+	5,994	6,260	6,489	6,771	7,129	7,466	7,786	8,097	8,466	8,841	9,193	9,562	9,897	10,169	10,456	10,653	10,810	10,945	11,109	11,358	11,651	15,346	23,017	29,143
TOTAL F	13,786	14,270	14,695	15,143	15,619	16,087	16,545	16,997	17,482	18,024	18,574	19,126	19,663	20,192	20,707	21,230	21,744	22,249	22,753	23,340	24,003	30,753	40,602	47,593
% of F Pop'n	1.34%	1.38%	1.41%	1.45%	1.48%	1.52%	1.55%	1.59%	1.62%	1.67%	1.71%	1.75%	1.79%	1.83%	1.87%	1.91%	1.95%	1.99%	2.02%	2.07%	2.12%	2.57%	3.23%	3.70%
Persons																								
0-59	162	163	164	165	165	164	164	164	163	163	164	164	164	164	164	163	163	162	161	160	159	154	153	151
60-64	879	901	935	976	1,013	1,077	1,136	1,176	1,214	1,256	1,265	1,285	1,308	1,331	1,350	1,370	1,393	1,419	1,437	1,457	1,474	1,419	1,429	1,529
65-69	1,283	1,333	1,379	1,419	1,446	1,476	1,507	1,562	1,630	1,698	1,815	1,923	2,000	2,072	2,139	2,147	2,176	2,207	2,234	2,264	2,296	2,518	2,605	2,637
70-74	2,756	2,748	2,727	2,734	2,753	2,829	2,919	3,017	3,108	3,187	3,274	3,367	3,508	3,677	3,827	4,081	4,310	4,468	4,607	4,753	4,772	5,216	5,444	5,532
75-79	3,988	4,102	4,203	4,228	4,272	4,284	4,248	4,218	4,242	4,303	4,457	4,633	4,818	4,988	5,116	5,247	5,389	5,605	5,851	6,095	6,508	7,665	9,030	9,484
80-84	5,266	5,522	5,769	6,003	6,155	6,290	6,466	6,629	6,691	6,814	6,885	6,885	6,887	6,971	7,089	7,341	7,625	7,916	8,165	8,385	8,616	12,404	14,721	15,734
85+	8,408	8,775	9,119	9,572	10,143	10,687	11,211	11,710	12,301	12,911	13,480	14,095	14,658	15,122	15,609	15,952	16,231	16,476	16,749	17,191	17,727	23,505	35,310	44,790
TOTAL P	22,741	23,546	24,296	25,097	25,947	26,806	27,651	28,475	29,350	30,333	31,340	32,352	33,343	34,324	35,293	36,300	37,285	38,252	39,205	40,305	41,554	52,882	68,692	79,856
% of Pop'n	1.11%	1.14%	1.17%	1.20%	1.24%	1.27%	1.30%	1.34%	1.37%	1.41%	1.45%	1.49%	1.53%	1.57%	1.60%	1.64%	1.68%	1.72%	1.76%	1.80%	1.85%	2.23%	2.78%	3.16%



TABLE 18 DEMENTIA PREVALENCE BY AGE & GENDER, ALL NSW AHS, 2002-2050

All NSW	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Male																								
0-59	276	278	280	281	282	283	284	284	285	285	286	286	287	287	287	288	288	289	289	289	289	290	289	285
60-64	1,668	1,703	1,774	1,853	1,935	2,069	2,190	2,266	2,332	2,365	2,397	2,429	2,462	2,494	2,526	2,559	2,591	2,623	2,655	2,734	2,818	2,759	2,792	2,999
65-69	2,002	2,044	2,112	2,186	2,238	2,295	2,357	2,458	2,572	2,657	2,742	2,827	2,912	2,997	3,082	3,167	3,252	3,337	3,422	3,531	3,650	3,994	4,150	4,221
70-74	3,688	3,625	3,590	3,572	3,612	3,710	3,825	3,955	4,105	4,319	4,532	4,746	4,960	5,173	5,387	5,601	5,814	6,028	6,242	6,425	6,624	7,235	7,602	7,762
75-79	4,709	4,828	4,947	5,005	5,062	5,081	5,048	5,024	5,021	5,232	5,443	5,653	5,864	6,075	6,286	6,497	6,707	6,918	7,129	7,339	7,566	9,767	11,591	12,230
80-84	5,739	6,103	6,434	6,709	6,915	7,094	7,323	7,556	7,688	7,869	8,051	8,232	8,413	8,595	8,776	8,957	9,139	9,320	9,502	9,781	10,084	15,164	18,072	19,461
85+	6,670	7,149	7,442	7,955	8,575	9,181	9,755	10,302	10,961	11,538	12,115	12,692	13,269	13,846	14,423	15,000	15,577	16,154	16,731	17,223	17,757	24,723	38,271	49,820
TOTAL M	24,751	25,731	26,579	27,562	28,619	29,713	30,781	31,846	32,964	34,264	35,565	36,866	38,166	39,467	40,768	42,068	43,369	44,669	45,970	47,322	48,787	63,931	82,767	96,778
% of M Pop'n	0.75%	0.77%	0.79%	0.81%	0.84%	0.86%	0.89%	0.91%	0.93%	0.96%	0.99%	1.02%	1.05%	1.08%	1.11%	1.13%	1.16%	1.19%	1.22%	1.24%	1.27%	1.60%	2.01%	2.32%
Female																								
0-59	271	272	274	276	277	278	278	279	280	280	280	280	281	281	281	281	282	282	282	282	282	282	279	275
60-64	859	874	910	950	990	1,063	1,126	1,172	1,214	1,234	1,254	1,275	1,295	1,315	1,335	1,355	1,375	1,395	1,416	1,457	1,502	1,442	1,445	1,539
65-69	1,545	1,578	1,624	1,664	1,699	1,735	1,774	1,843	1,926	1,998	2,071	2,144	2,217	2,289	2,362	2,435	2,508	2,580	2,653	2,739	2,833	3,036	3,144	3,142
70-74	3,919	3,843	3,784	3,775	3,791	3,863	3,963	4,083	4,190	4,398	4,607	4,816	5,024	5,233	5,442	5,650	5,859	6,067	6,276	6,461	6,661	7,372	7,556	7,597
75-79	6,545	6,598	6,659	6,626	6,650	6,608	6,522	6,441	6,441	6,645	6,850	7,054	7,258	7,463	7,667	7,872	8,076	8,281	8,485	8,735	9,005	11,853	13,673	14,256
80-84	9,460	9,831	10,220	10,549	10,672	10,759	10,916	11,056	11,040	11,175	11,309	11,443	11,578	11,712	11,847	11,981	12,115	12,250	12,384	12,748	13,143	19,058	22,689	23,555
85+	17,577	18,394	19,081	19,957	21,114	22,201	23,163	24,073	25,145	25,915	26,684	27,454	28,224	28,993	29,763	30,533	31,302	32,072	32,841	33,807	34,854	42,506	63,244	80,101
TOTAL F	40,176	41,392	42,552	43,797	45,192	46,507	47,743	48,947	50,235	51,645	53,055	54,466	55,876	57,286	58,697	60,107	61,517	62,927	64,338	66,230	68,280	85,549	112,031	130,465
% of F Pop'n	1.20%	1.23%	1.25%	1.28%	1.31%	1.34%	1.36%	1.38%	1.41%	1.44%	1.47%	1.50%	1.53%	1.55%	1.58%	1.61%	1.64%	1.66%	1.69%	1.73%	1.77%	2.13%	2.71%	3.12%
Persons																								
0-59	547	550	554	557	559	561	562	563	564	565	566	567	567	568	569	569	570	571	571	571	571	572	568	560
60-64	2,527	2,577	2,684	2,803	2,925	3,132	3,316	3,437	3,547	3,599	3,652	3,704	3,756	3,809	3,861	3,914	3,966	4,019	4,071	4,191	4,320	4,201	4,237	4,537
65-69	3,547	3,623	3,737	3,851	3,937	4,030	4,132	4,302	4,497	4,655	4,813	4,971	5,128	5,286	5,444	5,602	5,760	5,917	6,075	6,271	6,483	7,030	7,294	7,364
70-74	7,607	7,469	7,375	7,347	7,403	7,573	7,788	8,039	8,295	8,717	9,139	9,562	9,984	10,406	10,829	11,251	11,673	12,095	12,518	12,886	13,285	14,607	15,158	15,359
75-79	11,254	11,426	11,605	11,631	11,712	11,690	11,570	11,464	11,462	11,877	12,292	12,707	13,123	13,538	13,953	14,368	14,784	15,199	15,614	16,073	16,571	21,620	25,264	26,487
80-84	15,199	15,935	16,654	17,258	17,587	17,853	18,238	18,613	18,728	19,044	19,360	19,675	19,991	20,307	20,623	20,938	21,254	21,570	21,886	22,530	23,227	34,222	40,762	43,016
85+	24,246	25,543	26,522	27,912	29,688	31,383	32,919	34,375	36,106	37,453	38,799	40,146	41,493	42,839	44,186	45,533	46,879	48,226	49,573	51,031	52,610	67,229	101,514	129,921
TOTAL P	64,927	67,123	69,131	71,358	73,812	76,220	78,525	80,793	83,199	85,910	88,621	91,331	94,042	96,753	99,464	102,175	104,886	107,597	110,308	113,552	117,067	149,480	194,798	227,243
% of Pop'n	0.98%	1.00%	1.02%	1.05%	1.07%	1.10%	1.12%	1.15%	1.17%	1.20%	1.23%	1.26%	1.29%	1.32%	1.34%	1.37%	1.40%	1.43%	1.45%	1.49%	1.52%	1.87%	2.36%	2.72%

3. INCIDENCE ESTIMATES AND PROJECTIONS

Incidence rates for dementia by age group over 60 and by gender are estimated and reported by Jorm et al (in press) from meta-analyses (Wancata et al, 2003). As with prevalence, we averaged the rates from the source studies for each age-gender group and present the results in Table 19 below.

TABLE 19 INCIDENCE RATES, BY 60+ AGE GROUP & GENDER (%)

Age group	Female	Male
60-64	0.1	0.1
65-69	0.4	0.4
70-74	0.9	0.9
75-79	2.1	2.0
80-84	3.9	3.8
85-89	6.6	6.2
90-94	10.6	9.6
95+	8.7	8.7

Sources: Jorm and Jolley (1998), Gao et al (1998), Launer et al (1999) Fratiglioni (2000).

The table shows that incidence rises steadily with age, which of course underlies the same pattern in prevalence. An interesting but quite well correlated point is that in the oldest people, the 95+ group, the incidence rate appears to taper off a little, although this may be a result of small sample size.

Jorm et al (in press) do not present incidence rates for people aged under 60. Instead, the number of new cases in the under-60 group is estimated separately using the prevalence estimates and projections described above and ABS mortality data (ABS, 2003b) to solve for incidence in the following equation.

$$\text{Prevalence}_t = \text{Prevalence}_{t-1} + \text{Incidence}_t - \text{Mortality}_t$$

As with prevalence, these incidence rates are applied to the population at risk (ie after subtracting prevalence) for the years 2001-2022 and then for each decade to 2050.

3.1 INCIDENCE FOR NSW AS A WHOLE

In 2005 there are estimated to be over 18,100 new cases of dementia in NSW (0.27% of the NSW population), of which over 11,000 are women.

The majority (68%) of new cases present in people aged between 75 to 89 and over a quarter will be people aged 80-84. An approximation of the average duration of dementia can be estimated by dividing prevalence by incidence, providing an estimate of 3.9 years overall, higher for people in their sixties than for those in older age groups, as the likelihood of dying (either from the underlying disease causing dementia or from something else) increases with age.

By 2050 there are projected to be nearly 54,700 new cases of dementia diagnosed every year, or over three quarters of the total number of cases (new and existing) in NSW in 2005. Figures of this magnitude drive home the importance of giving priority to dementia research for cause, cure and care as recommended in Access Economics (2003).

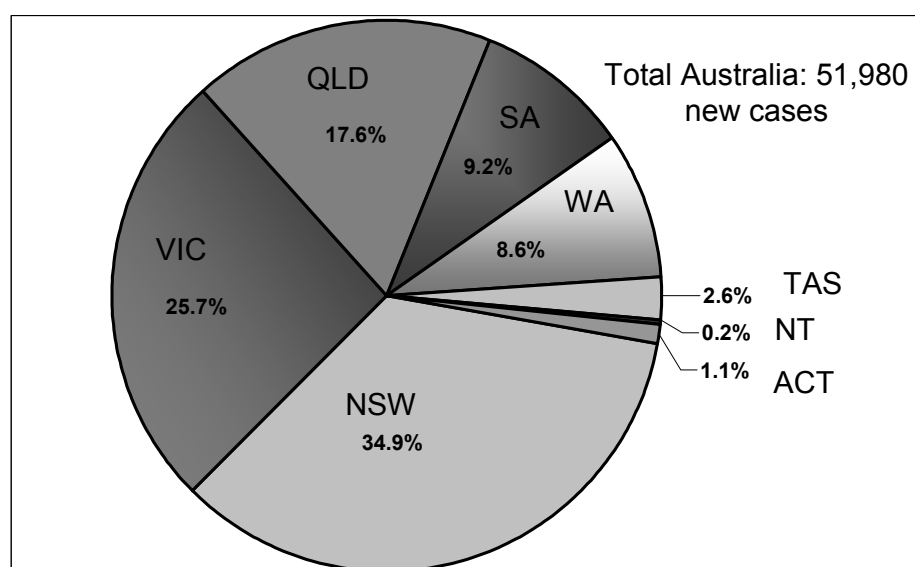
The States/Territories with younger and fast-growing populations – WA, Queensland, the Northern Territory and the Australian Capital Territory – have the highest growth of dementia incidence together with increasing shares over 2001-2050 of the national total. Table 20 provides greater detail by State/Territory over 2001-2050, while Figure 10 depicts the shares in 2005, which are identical to those for prevalence.

TABLE 20 DEMENTIA INCIDENCE ('000), BY STATE/TERRITORY, 2001-2050

	NSW	VIC	QLD	SA	WA	TAS	NT	ACT	AUST
2001	16.1	11.8	7.8	4.3	3.9	1.2	0.1	0.5	45.7
2002	16.6	12.2	8.2	4.4	4.0	1.3	0.1	0.5	47.2
2003	17.1	12.6	8.5	4.5	4.2	1.3	0.1	0.5	48.9
2004	17.6	13.0	8.8	4.7	4.3	1.3	0.1	0.6	50.4
2005	18.1	13.4	9.2	4.8	4.5	1.4	0.1	0.6	52.0
2006	18.7	13.9	9.5	4.9	4.7	1.4	0.1	0.6	53.8
2007	19.2	14.3	9.9	5.1	4.8	1.4	0.1	0.6	55.5
2008	19.8	14.7	10.3	5.2	5.0	1.5	0.1	0.7	57.2
2009	20.3	15.1	10.7	5.3	5.2	1.5	0.2	0.7	58.8
2010	20.8	15.6	11.1	5.4	5.4	1.6	0.2	0.7	60.6
2020	27.3	20.8	16.4	6.9	7.9	2.1	0.3	1.1	82.5
2030	37.4	28.7	25.0	9.2	11.9	2.8	0.4	1.6	116.6
2040	48.0	37.2	34.3	11.3	16.1	3.4	0.5	2.0	152.4
2050	54.7	42.9	41.3	12.0	19.0	3.4	0.7	2.3	175.6
2000-50*	3.4	3.6	5.3	2.8	4.9	2.8	5.9	4.7	3.9
Growth rank*	6	5	2	7	3	8	1	4	
Share 2001	35.2%	25.9%	17.2%	9.3%	8.5%	2.7%	0.2%	1.1%	100.0%
Share 2050	31.2%	24.5%	23.5%	6.9%	10.8%	2.0%	0.4%	1.3%	100.0%
%pop'n 2001	0.24%	0.25%	0.22%	0.28%	0.20%	0.26%	0.06%	0.15%	0.24%
%pop'n 2050	0.66%	0.69%	0.65%	0.81%	0.66%	0.88%	0.22%	0.58%	0.67%

* 2000-50 is the prevalence in 2050 divided by the prevalence in 2000 (ie the factor of growth over the period). The growth rank ranks States/Territories according to the factor of growth from fastest (1) to slowest (8).

FIGURE 10 DEMENTIA INCIDENCE BY STATE/TERRITORY (% TOTAL), 2005



Tables 23 and 24 on the following pages compare incidence in NSW, by age and gender group, with that across Australia. Incidence trends mirror those for prevalence, with 'older' states such as NSW having higher levels of incidence, but slower growth over the next half a century than other jurisdictions with relatively younger populations.



TABLE 21 DEMENTIA INCIDENCE BY AGE & GENDER, NSW, 2001-2050

NSW ('000)	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2020	2030	2040	2050
Male														
0-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-64	0.15	0.16	0.16	0.17	0.18	0.18	0.20	0.21	0.21	0.22	0.25	0.26	0.26	0.28
65-69	0.48	0.49	0.50	0.52	0.54	0.55	0.57	0.58	0.61	0.63	0.84	0.98	1.02	1.04
70-74	0.96	0.96	0.95	0.94	0.93	0.94	0.97	1.00	1.03	1.07	1.63	1.89	1.98	2.03
75-79	1.54	1.57	1.61	1.65	1.67	1.69	1.69	1.68	1.68	1.67	2.38	3.26	3.87	4.08
80-84	1.52	1.62	1.72	1.81	1.89	1.95	2.00	2.06	2.13	2.17	2.68	4.27	5.09	5.48
85-89	1.04	1.10	1.14	1.18	1.25	1.37	1.47	1.57	1.66	1.75	2.20	3.38	4.79	5.89
90-94	0.39	0.43	0.48	0.51	0.55	0.58	0.61	0.63	0.66	0.71	1.29	1.77	2.99	3.76
95+	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.15	0.16	0.17	0.37	0.58	0.95	1.50
TOTAL M	6.18	6.42	6.67	6.88	7.12	7.38	7.64	7.89	8.14	8.40	11.64	16.38	20.96	24.06
% of M Population	0.19%	0.19%	0.20%	0.21%	0.21%	0.22%	0.22%	0.23%	0.23%	0.24%	0.31%	0.41%	0.51%	0.58%
% M of total Inc	38.4%	38.6%	38.9%	39.1%	39.3%	39.5%	39.7%	39.9%	40.1%	40.4%	42.6%	43.8%	43.7%	44.0%
Female														
0-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-64	0.15	0.16	0.16	0.17	0.17	0.18	0.19	0.21	0.21	0.22	0.26	0.26	0.26	0.28
65-69	0.51	0.52	0.53	0.54	0.56	0.57	0.58	0.59	0.62	0.64	0.89	1.01	1.05	1.05
70-74	1.02	1.01	0.99	0.98	0.98	0.98	1.00	1.03	1.06	1.08	1.62	1.91	1.96	1.97
75-79	2.07	2.08	2.10	2.12	2.11	2.12	2.10	2.07	2.05	2.05	2.70	3.77	4.35	4.54
80-84	2.48	2.59	2.69	2.80	2.89	2.92	2.95	2.99	3.03	3.03	3.39	5.22	6.22	6.45
85-89	2.20	2.28	2.34	2.37	2.44	2.60	2.74	2.86	2.98	3.09	3.33	4.61	6.57	7.72
90-94	1.21	1.28	1.36	1.43	1.52	1.57	1.63	1.68	1.72	1.79	2.59	3.11	4.99	6.14
95+	0.25	0.27	0.30	0.33	0.36	0.39	0.41	0.44	0.47	0.51	0.89	1.14	1.63	2.50
TOTAL F	9.90	10.20	10.47	10.74	11.01	11.32	11.61	11.88	12.14	12.41	15.67	21.04	27.02	30.63
% of F Population	0.30%	0.31%	0.31%	0.32%	0.32%	0.33%	0.33%	0.34%	0.34%	0.35%	0.41%	0.52%	0.65%	0.73%
% F of total Inc	61.6%	61.4%	61.1%	60.9%	60.7%	60.5%	60.3%	60.1%	59.9%	59.6%	57.4%	56.2%	56.3%	56.0%
Persons														
0-59	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-64	0.31	0.31	0.32	0.33	0.35	0.36	0.39	0.41	0.43	0.44	0.51	0.52	0.53	0.56
65-69	0.99	1.01	1.03	1.06	1.09	1.12	1.14	1.17	1.22	1.28	1.73	2.00	2.07	2.09
70-74	1.98	1.98	1.94	1.92	1.91	1.92	1.97	2.02	2.09	2.16	3.25	3.80	3.94	3.99
75-79	3.61	3.65	3.71	3.77	3.78	3.80	3.80	3.76	3.72	3.72	5.08	7.03	8.22	8.62
80-84	4.00	4.21	4.41	4.61	4.78	4.87	4.95	5.05	5.16	5.19	6.07	9.50	11.31	11.94
85-89	3.25	3.38	3.48	3.54	3.69	3.97	4.21	4.43	4.65	4.84	5.53	7.98	11.36	13.61
90-94	1.60	1.71	1.83	1.94	2.06	2.15	2.24	2.32	2.38	2.50	3.88	4.88	7.98	9.90
95+	0.33	0.36	0.41	0.44	0.47	0.51	0.55	0.59	0.63	0.68	1.26	1.71	2.58	4.00
TOTAL P	16.08	16.62	17.14	17.62	18.13	18.71	19.24	19.76	20.28	20.81	27.31	37.42	47.98	54.70
% of Population	0.24%	0.25%	0.26%	0.26%	0.27%	0.27%	0.28%	0.28%	0.29%	0.29%	0.36%	0.47%	0.58%	0.66%



TABLE 22 DEMENTIA INCIDENCE BY AGE & GENDER, AUSTRALIA, 2001-2050

AUST ('000)	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2020	2030	2040	2050
Male														
0-59	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-64	0.45	0.46	0.48	0.50	0.52	0.54	0.58	0.62	0.65	0.67	0.77	0.81	0.81	0.89
65-69	1.39	1.42	1.47	1.52	1.58	1.63	1.68	1.74	1.81	1.90	2.58	3.03	3.15	3.26
70-74	2.73	2.74	2.71	2.70	2.70	2.74	2.82	2.92	3.04	3.17	4.99	5.84	6.21	6.33
75-79	4.36	4.48	4.61	4.73	4.80	4.87	4.90	4.88	4.89	4.91	7.24	10.14	12.07	12.78
80-84	4.26	4.56	4.87	5.16	5.39	5.60	5.78	5.98	6.18	6.32	8.12	13.37	16.08	17.52
85-89	3.02	3.15	3.28	3.35	3.57	3.90	4.22	4.52	4.81	5.07	6.63	10.55	15.31	18.87
90-94	1.19	1.27	1.40	1.51	1.62	1.70	1.78	1.85	1.91	2.08	3.90	5.54	9.66	12.28
95+	0.24	0.27	0.31	0.32	0.35	0.37	0.40	0.44	0.48	0.52	1.13	1.81	3.08	4.99
TOTAL M	17.66	18.37	19.13	19.79	20.53	21.36	22.17	22.96	23.78	24.64	35.36	51.10	66.39	76.92
% of M Population	0.18%	0.19%	0.19%	0.20%	0.20%	0.21%	0.22%	0.22%	0.23%	0.23%	0.31%	0.42%	0.52%	0.59%
% M of total Inc	38.7%	38.9%	39.1%	39.3%	39.5%	39.7%	40.0%	40.2%	40.4%	40.6%	42.8%	43.8%	43.6%	43.8%
Female														
0-59	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
60-64	0.45	0.46	0.47	0.49	0.51	0.54	0.58	0.62	0.65	0.68	0.80	0.83	0.83	0.89
65-69	1.45	1.48	1.52	1.57	1.62	1.67	1.71	1.76	1.84	1.92	2.74	3.17	3.30	3.35
70-74	2.88	2.86	2.83	2.80	2.81	2.83	2.90	2.99	3.10	3.20	5.02	5.96	6.24	6.23
75-79	5.83	5.88	5.95	6.02	6.01	6.04	6.01	5.96	5.93	5.95	8.20	11.83	13.77	14.42
80-84	6.94	7.27	7.62	7.95	8.20	8.34	8.44	8.58	8.72	8.74	10.23	16.41	19.74	20.89
85-89	6.28	6.45	6.57	6.63	6.87	7.35	7.78	8.19	8.56	8.88	9.91	14.27	20.95	24.84
90-94	3.45	3.65	3.89	4.14	4.38	4.53	4.68	4.79	4.87	5.12	7.67	9.60	15.99	19.85
95+	0.72	0.78	0.87	0.95	1.03	1.11	1.20	1.29	1.39	1.49	2.63	3.47	5.17	8.17
TOTAL F	28.01	28.86	29.74	30.57	31.44	32.42	33.32	34.19	35.06	35.99	47.19	65.54	85.98	98.63
% of F Population	0.29%	0.29%	0.30%	0.30%	0.31%	0.31%	0.32%	0.32%	0.33%	0.34%	0.40%	0.53%	0.66%	0.74%
% F of total Inc	61.3%	61.1%	60.9%	60.7%	60.5%	60.3%	60.0%	59.8%	59.6%	59.4%	57.2%	56.2%	56.4%	56.2%
Persons														
0-59	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
60-64	0.90	0.92	0.95	0.99	1.03	1.08	1.17	1.24	1.29	1.34	1.56	1.64	1.64	1.78
65-69	2.83	2.91	2.99	3.10	3.21	3.29	3.40	3.50	3.65	3.82	5.33	6.19	6.45	6.61
70-74	5.61	5.60	5.54	5.50	5.50	5.57	5.72	5.92	6.14	6.37	10.01	11.81	12.45	12.56
75-79	10.19	10.36	10.55	10.74	10.82	10.91	10.91	10.85	10.82	10.86	15.44	21.97	25.84	27.19
80-84	11.20	11.83	12.50	13.11	13.59	13.94	14.22	14.56	14.90	15.06	18.34	29.78	35.83	38.41
85-89	9.30	9.60	9.85	9.98	10.44	11.25	12.00	12.71	13.38	13.95	16.54	24.82	36.25	43.71
90-94	4.63	4.92	5.29	5.65	6.00	6.23	6.46	6.64	6.79	7.20	11.56	15.14	25.66	32.13
95+	0.96	1.05	1.18	1.27	1.37	1.48	1.60	1.73	1.86	2.01	3.75	5.28	8.25	13.16
TOTAL P	45.67	47.23	48.87	50.36	51.98	53.78	55.49	57.15	58.84	60.62	82.54	116.64	152.37	175.56
% of Population	0.24%	0.24%	0.25%	0.25%	0.26%	0.26%	0.27%	0.27%	0.28%	0.28%	0.36%	0.47%	0.59%	0.67%



3.2 INCIDENCE ESTIMATES AND PROJECTIONS FOR NSW REGIONS

Dementia incidence in each of the NSW AHS regions is constructed in a similar manner to the preceding prevalence estimates and projections, this time applying the incidence rates in Table 19 to the ABS population projections for each AHS.

Estimates and projections of incidence for the NSW AHS regions must be treated with caution. Since these numbers are quite small, any such calculations are not as robust as at the higher levels of aggregation. For this reason, we only provide estimates or projections of incidence in each AHS by gender, rather than disaggregating further into five year age groups.

Table 23 provides a summary of projected dementia incidence in each of the NSW AHS regions, while Table 24 provides greater detail, including the gender split. Figures 11 to 14 provide a graphical representation, showing that trends in incidence across the AHS regions primarily mirror prevalence trends.

TABLE 23 DEMENTIA INCIDENCE, NSW AHS REGIONS, SELECTED YEARS

	2002	2005	2010	2020	2030	2040	2050	2002-50*
Greater Southern	1,179	1,291	1,489	1,970	2,667	3,388	3,807	3.2
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	0.7%	
% share	7.1%	7.1%	7.2%	7.2%	7.1%	7.1%	7.0%	
Increase over previous period		9.5%	15.3%	32.2%	35.4%	27.0%	12.4%	
Greater Western	757	812	914	1,163	1,588	2,034	2,315	3.1
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	0.7%	
% share	4.6%	4.5%	4.4%	4.3%	4.2%	4.2%	4.2%	
Increase over previous period		7.2%	12.6%	27.3%	36.6%	28.0%	13.8%	
Hunter/New England	2,248	2,454	2,817	3,691	5,108	6,595	7,547	3.4
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.7%	0.7%	
% share	13.5%	13.5%	13.5%	13.5%	13.7%	13.7%	13.8%	
Increase over previous period		9.2%	14.8%	31.0%	38.4%	29.1%	14.4%	
North Coast	1,394	1,547	1,810	2,434	3,411	4,446	5,117	3.7
% population	0.3%	0.3%	0.4%	0.5%	0.6%	0.7%	0.8%	
% share	8.4%	8.5%	8.7%	8.9%	9.1%	9.3%	9.4%	
Increase over previous period		11.0%	17.0%	34.5%	40.2%	30.3%	15.1%	
Northern Sydney/Central Coast	3,133	3,366	3,779	4,800	6,611	8,581	9,865	3.1
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	0.7%	
% share	18.9%	18.6%	18.2%	17.6%	17.7%	17.9%	18.0%	
Increase over previous period		7.4%	12.3%	27.0%	37.7%	29.8%	15.0%	
South Eastern Sydney/Illawarra	3,010	3,273	3,730	4,784	6,554	8,459	9,690	3.2
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	0.7%	
% share	18.1%	18.0%	17.9%	17.5%	17.5%	17.6%	17.7%	
Increase over previous period		8.7%	14.0%	28.2%	37.0%	29.1%	14.5%	
South Western Sydney	2,799	3,065	3,548	4,705	6,370	8,065	9,133	3.3
% population	0.2%	0.2%	0.3%	0.3%	0.4%	0.5%	0.5%	
% share	16.8%	16.9%	17.0%	17.2%	17.0%	16.8%	16.7%	
Increase over previous period		9.5%	15.7%	32.6%	35.4%	26.6%	13.2%	
Western Sydney	2,100	2,325	2,727	3,766	5,109	6,415	7,225	3.4
% population	0.2%	0.2%	0.2%	0.3%	0.4%	0.5%	0.5%	
% share	12.6%	12.8%	13.1%	13.8%	13.7%	13.4%	13.2%	
Increase over previous period		10.7%	17.3%	38.1%	35.7%	25.6%	12.6%	
Total Metropolitan	11,042	12,030	13,784	18,054	24,645	31,520	35,912	3.3
% population	0.2%	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	
% share	66.4%	66.3%	66.2%	66.1%	65.9%	65.7%	65.7%	
Increase over previous period		8.9%	14.6%	31.0%	36.5%	27.9%	13.9%	
Total Regional	5,578	6,104	7,031	9,258	12,775	16,463	18,786	3.4
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.7%	0.7%	
% share	33.6%	33.7%	33.8%	33.9%	34.1%	34.3%	34.3%	
Increase over previous period		9.4%	15.2%	31.7%	38.0%	28.9%	14.1%	
Total New South Wales	16,620	18,134	20,815	27,312	37,419	47,983	54,699	3.3
% population	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	0.7%	
% share	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Increase over previous period		9.1%	14.8%	31.2%	37.0%	28.2%	14.0%	

* 2000-50 is the prevalence in 2050 divided by the prevalence in 2002 (ie the factor of growth over the period).

Across NSW the number of new dementia cases per year is projected to increase by a factor of 3.3 from 2002 to 2050. Again the rate of growth differs somewhat between AHS regions.

- ❑ **By far the greatest growth in dementia incidence will be on the North Coast,** where the number of new cases is projected to increase from just under 1,400 in 2002 to over 5,100 in 2050, approaching a fourfold increase.
- ❑ As with prevalence, the three regions with slowest growth in incidence are the Greater Western, Northern Sydney/Central Coast and South Eastern Sydney/Illawarra.

FIGURE 11 DEMENTIA INCIDENCE, METROPOLITAN AHSs, SELECTED YEARS

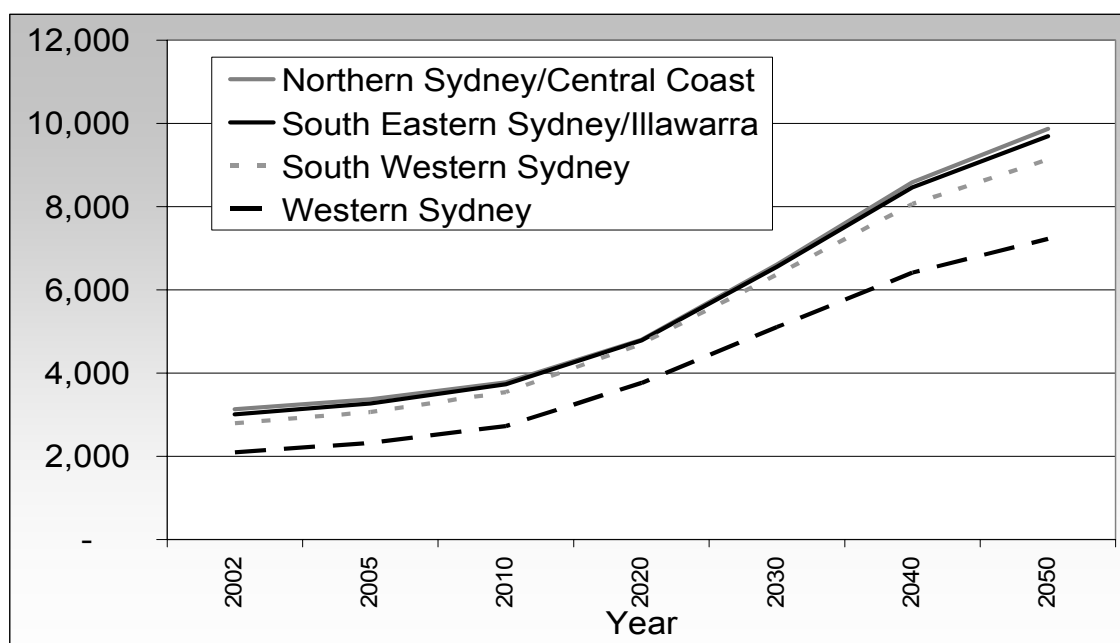




FIGURE 12 DEMENTIA INCIDENCE, REGIONAL AHSS, SELECTED YEARS

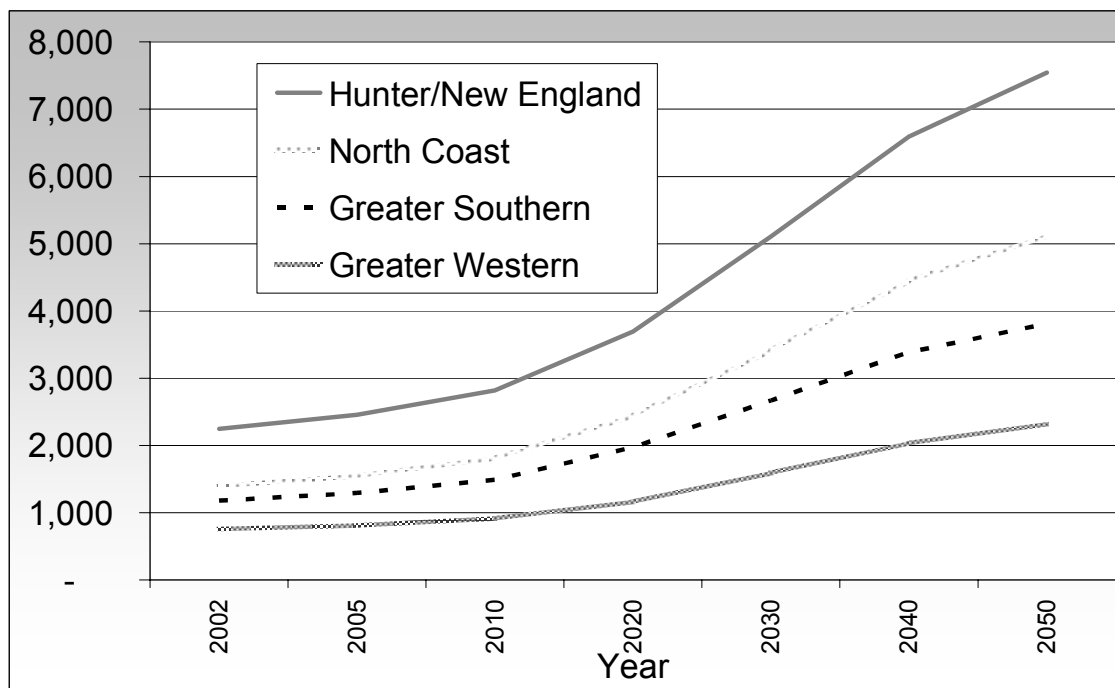


FIGURE 13 DEMENTIA INCIDENCE (% OF POPULATION) BY NSW REGION, 2002-2050

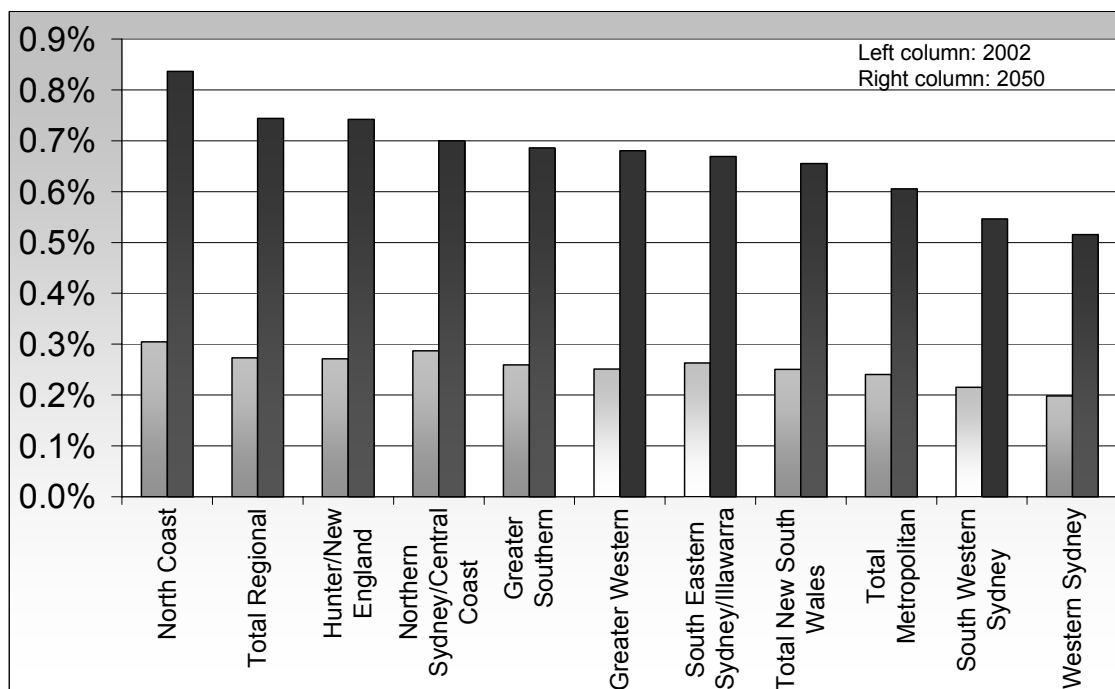


FIGURE 14 DEMENTIA INCIDENCE BY AGE GROUP, NSW, 2002-2022

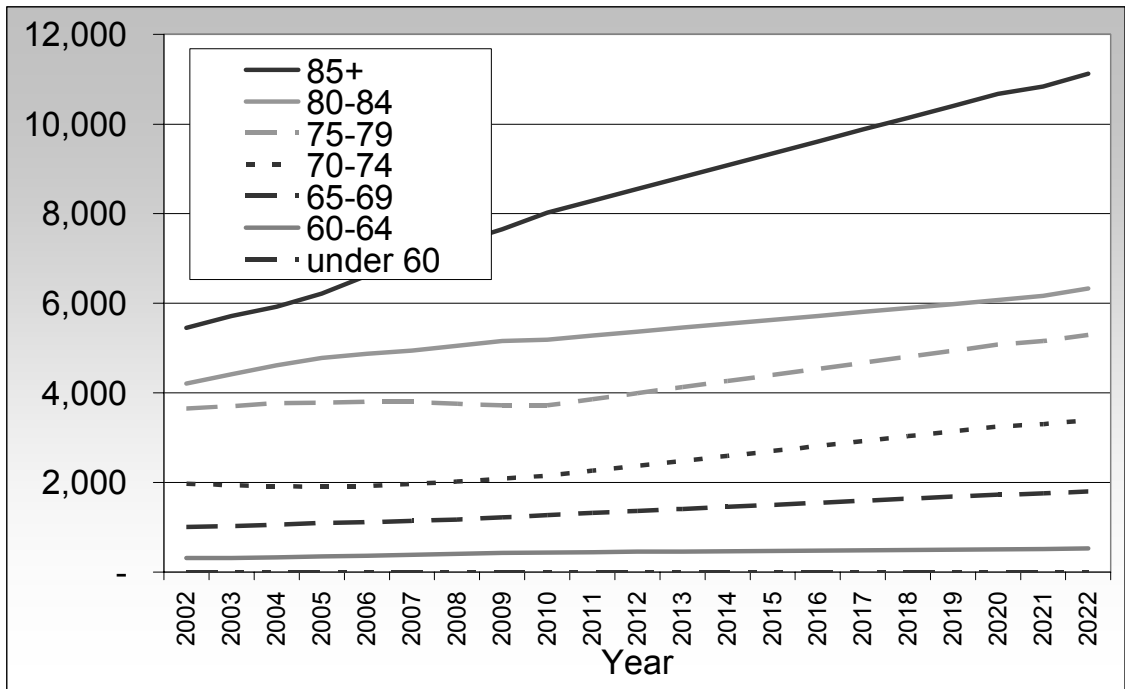




TABLE 24 DEMENTIA INCIDENCE BY GENDER, NSW AHS REGIONS, 2002-2050

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2030	2040	2050
Greater Southern																								
Male	578	595	613	632	651	671	689	708	728	752	777	801	825	850	873	898	922	945	968	982	1,009	1,009	1,311	1,649
Female	601	621	640	660	681	701	720	740	761	785	809	834	858	883	906	929	953	978	1,001	1,016	1,042	1,042	1,357	1,739
Total	1,179	1,217	1,253	1,291	1,332	1,372	1,410	1,448	1,489	1,537	1,586	1,634	1,683	1,732	1,779	1,827	1,875	1,922	1,970	1,998	2,051	2,667	3,388	
Greater Western																								
Male	365	374	383	393	404	414	424	433	444	457	471	483	496	508	520	533	546	558	569	575	589	589	761	951
Female	392	401	410	419	429	440	450	460	470	483	496	509	522	534	547	560	572	584	594	601	615	615	828	1,083
Total	757	776	794	812	833	854	874	894	914	940	967	993	1,018	1,042	1,067	1,093	1,118	1,141	1,163	1,176	1,203	1,203	1,588	2,034
Hunter/New England																								
Male	1,073	1,105	1,137	1,170	1,209	1,245	1,280	1,313	1,348	1,391	1,435	1,479	1,522	1,565	1,608	1,654	1,697	1,741	1,783	1,811	1,861	1,861	2,427	3,068
Female	1,175	1,214	1,248	1,284	1,322	1,359	1,396	1,432	1,469	1,514	1,558	1,603	1,648	1,692	1,734	1,777	1,821	1,865	1,908	1,934	1,983	1,983	2,681	3,527
Total	2,248	2,319	2,386	2,454	2,530	2,604	2,676	2,746	2,817	2,904	2,993	3,082	3,170	3,256	3,341	3,431	3,519	3,606	3,691	3,744	3,844	3,844	5,108	6,595
North Coast																								
Male	678	703	727	750	776	800	825	849	873	903	933	964	994	1,024	1,054	1,084	1,115	1,146	1,177	1,197	1,232	1,232	1,625	2,081
Female	716	744	770	797	827	856	882	909	937	969	1,002	1,034	1,065	1,098	1,130	1,162	1,194	1,225	1,257	1,278	1,314	1,314	1,786	2,365
Total	1,394	1,448	1,497	1,547	1,603	1,656	1,708	1,758	1,810	1,872	1,935	1,998	2,059	2,121	2,183	2,246	2,310	2,372	2,434	2,475	2,546	2,546	3,411	4,446
Northern Sydney/Central Coast																								
Male	1,423	1,466	1,503	1,546	1,592	1,635	1,676	1,718	1,763	1,816	1,870	1,923	1,978	2,033	2,086	2,141	2,195	2,251	2,307	2,343	2,406	2,406	3,125	3,964
Female	1,710	1,751	1,785	1,821	1,865	1,905	1,943	1,979	2,016	2,065	2,113	2,160	2,207	2,253	2,302	2,349	2,396	2,444	2,493	2,523	2,581	2,581	3,486	4,617
Total	3,133	3,217	3,288	3,366	3,457	3,541	3,619	3,697	3,779	3,881	3,982	4,082	4,184	4,286	4,388	4,490	4,591	4,695	4,800	4,866	4,987	4,987	6,611	8,581
South Eastern Sydney/Illawarra																								
Male	1,437	1,481	1,524	1,570	1,620	1,666	1,710	1,756	1,804	1,859	1,915	1,971	2,028	2,084	2,139	2,193	2,248	2,303	2,358	2,392	2,452	2,452	3,174	4,006
Female	1,573	1,617	1,659	1,703	1,754	1,798	1,840	1,883	1,926	1,981	2,032	2,082	2,133	2,183	2,233	2,281	2,329	2,378	2,426	2,455	2,511	2,511	3,381	4,453
Total	3,010	3,099	3,183	3,273	3,374	3,464	3,550	3,639	3,730	3,840	3,947	4,053	4,161	4,268	4,373	4,474	4,577	4,681	4,784	4,848	4,964	4,964	6,554	8,459
South Western Sydney																								
Male	1,393	1,439	1,482	1,529	1,580	1,629	1,677	1,726	1,776	1,836	1,897	1,958	2,020	2,082	2,142	2,203	2,264	2,325	2,386	2,429	2,496	2,496	3,166	3,916
Female	1,406	1,449	1,490	1,536	1,589	1,636	1,681	1,725	1,772	1,829	1,883	1,937	1,991	2,046	2,103	2,155	2,209	2,263	2,318	2,356	2,417	2,417	3,204	4,148
Total	2,799	2,888	2,973	3,065	3,169	3,265	3,358	3,451	3,548	3,665	3,780	3,895	4,011	4,128	4,245	4,358	4,473	4,588	4,705	4,785	4,913	4,913	6,370	8,065
Western Sydney																								
Male	1,051	1,090	1,127	1,166	1,207	1,249	1,290	1,332	1,374	1,425	1,478	1,532	1,586	1,642	1,697	1,753	1,809	1,867	1,924	1,964	2,027	2,027	2,554	3,134
Female	1,050	1,087	1,121	1,159	1,201	1,240	1,278	1,314	1,353	1,400	1,447	1,494	1,541	1,589	1,640	1,689	1,741	1,791	1,842	1,881	1,941	1,941	2,555	3,281
Total	2,100	2,177	2,248	2,325	2,408	2,489	2,567	2,646	2,727	2,825	2,925	3,026	3,127	3,230	3,336	3,442	3,550	3,658	3,766	3,846	3,968	3,968	5,109	6,415
All Metropolitan																								
Male	5,303	5,476	5,636	5,810	5,998	6,179	6,353	6,532	6,717	6,936	7,160	7,383	7,612	7,840	8,064	8,290	8,517	8,747	8,975	9,128	9,382	9,382	12,018	15,021
Female	5,739	5,903	6,055	6,220	6,409	6,580	6,741	6,900	7,067	7,276	7,474	7,673	7,871	8,071	8,278	8,474	8,675	8,875	9,079	9,216	9,450	9,450	12,626	16,499
Total	11,042	11,380	11,692	12,030	12,407	12,759	13,094	13,433	13,784	14,212	14,634	15,057	15,483	15,912	16,342	16,765	17,192	17,621	18,054	18,344	18,831	18,831	24,645	31,520
All Regional																								
Male	2,694	2,778	2,860	2,945	3,039	3,131	3,218	3,304	3,394	3,502	3,615	3,727	3,837	3,946	4,055	4,169	4,280	4,389	4,497	4,565	4,691	4,691	6,123	7,749
Female	2,884	2,981	3,069	3,159	3,259	3,355	3,449	3,541	3,637	3,751	3,866	3,981	4,093	4,205	4,316	4,428	4,540	4,651	4,761	4,829	4,953	4,953	6,652	8,714
Total	5,578	5,759	5,929	6,104	6,299	6,486	6,667	6,845	7,031	7,253	7,481	7,707	7,930	8,152	8,371	8,598	8,821	9,041	9,258	9,394	9,644	9,644	12,775	16,463
All NSW																								
Male	6,422	6,667	6,882	7,121	7,382	7,638	7,885	8,140	8,401	8,725	9,048	9,372	9,696	10,020	10,344	10,668	10,991	11,315	11,639	11,821	12,135	12,135	16,384	20,960
Female	10,198	10,472	10,738	11,014	11,324	11,607	11,876	12,138	12,414	12,740	13,066	13,392	13,717	14,043	14,369	14,695	15,021	15,347	15,672	15,917	16,340	16,340	21,036	27,023
Total	16,620	17,139	17,620	18,134	18,706	19,245	19,761	20,278	20,815	21,465	22,114	22,764	23,414	24,063	24,713	25,363	26,012	26,662	27,312	27,738	28,475	28,475	37,419	47,983



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APPENDIX A – ABS SPECIAL DATA REQUEST

The Australian Bureau of Statistics provided data to Access Economics for this project and their report, outlining the assumptions and compilation aspects of the data, is reproduced in full below.

Population projections for New South Wales: Statistical Local Areas and Local Government Areas, 2002 to 2022: Statistical consultancy project for Access Economics by the Australian Bureau of Statistics

The Regions

The population projections for Statistical Local Areas (SLAs) and Local Government Areas (LGAs) in New South Wales cover the period from 30 June 2002 (base) to 2022, with results given by single of age and sex.

Method

The cohort-component method was used for these projections. In this method, the base population is projected forward annually by calculating the effect of births, deaths and migration within each age-sex group according to the specified fertility, mortality and migration assumptions.

Projected resident population by single year of age and sex is produced in four successive stages – national, State/Territory, capital city/balance and finally Statistical Local Area (SLA). Assumptions are made for each level and the resulting projected components and population are constrained to the geographic level above for each year.

Assumptions for capital city and balance of state/territory projections

These projections are from the medium scenario (Series B) in *Population Projections, Australia, 2002 to 2101* (ABS cat. no. 3222.0) published on 2 September 2003. They incorporate the following general assumptions:

- ❑ Fertility: Total fertility rate (at national level) declining to 1.6 babies per woman by 2011 and then remaining constant.
- ❑ Mortality: Life expectancy at birth (at national level) of 84.2 and 87.7 years for males and females respectively in 2050-51. Under this assumption, life expectancy at birth will increase by 0.30 years for males and 0.25 years for females per year until 2005-06, following which improvement will gradually decline until 2050-51.
- ❑ Overseas migration: Annual net overseas migration gain (at national level) of 100,000 by 2005-06.
- ❑ Interstate migration: 'Medium' net gains and losses from States and Territories.

The latest available base populations are used for the projections. For example, for Australia and States and Territories, preliminary 20 June 2002 Estimated Resident Population was used, while for Sydney/Balance of NSW it was final 30 June 2001 ERP.



Assumptions for SLA Projections

The base population for SLAs was the preliminary estimated resident population in each area by single year of age and sex, at 30 June 2002. SLA fertility and mortality assumptions are derived by combining the medium scenario State/Territory assumptions from *Population Projections Australia, 2002 to 2101* with historical patterns observed in each SLA.

The assumed migration levels were based on historical trends of net migration in each SLA, the assumed levels of State/Territory overseas and interstate migration, and in some cases recent State/Territory government population or dwelling/land release projections. The assumed SLA net migration levels, largely based on recent SLA trends, were constrained to the capital city and balance of State/Territory assumptions in Series B. The age-sex distributions for the assumed migration levels were based on overseas and inter-SLA migration rates used in the calculation of published ABS SLA age-sex population estimates, which were originally derived from 2001 Census of Population and Housing migration data. SLA-specific fertility and mortality assumptions were derived using historical SLA birth, death and population data combined with assumed State-specific rates of future change.

Nature of Projections

The nature of the projection method and inherent fluctuations in population dynamics mean that care should be taken when using and interpreting the projection results.

The projections are not exact forecasts but simply illustrate future changes which would occur if the stated assumptions were to apply over the projection period. While the projections take account of land planning and other decisions by governments known at the time the projections were derived, the ABS does not always have access to the policies or decisions of Commonwealth, State and Local Governments and businesses that assist in accurately forecasting small area populations. The projections do not attempt to allow for non-demographic factors (eg. major government policy decisions, economic factors, catastrophes, wars) which may affect future demographic behaviour.

The unpredictability of migration trends, especially in the short-term, can have a significant effect on projection results. Special care should be taken with small SLAs (populations under 1,000 people) and small age-sex cells (populations under 100 people). Accordingly, SLAs with a base population of less than 500 have generally been kept constant as the age-sex cells are too small for reliable projection.

All SLAs in these projections are based on the Australian Standard Geographic Classification boundaries as they existed at the 2001 Census (ASGC 2001). The actual boundaries for a given SLA, or for other geographic regions such as Local Government Areas (LGAs) derived from this SLA, may change over time making the projections no longer comparable with other data.

The effect of intercensal discrepancy on the base year population should also be noted. Intercensal discrepancy is the difference between the post-censal estimated resident population (ERP) of a given area at a given date, and the ERP of that area at that date following processing of the next census. Although we might expect intercensal discrepancy to affect these projections, the direction and magnitude of this discrepancy will not be known until after the 2006 Census of Population and Housing.

Alternative Series

The ABS produces many alternative State/Territory projection series using different combinations of assumptions on fertility, mortality, overseas migration and interstate migration to illustrate a range of possible outcomes. Series A, B and C are covered in detail in *Population Projections, Australia, 2002 to 2101* (ABS cat. no. 3222.0) to illustrate a range of possible outcomes. These three series are summarised in the following table.

**TABLE 25 PROJECTED POPULATION ('000) BY CAPITAL CITY/BALANCE OF STATE, AT
30 JUNE 2022**

Capital City/Balance of State	Assumptions	Series A	Series B	Series C
	Fertility:	'High'	'Medium'	'Low'
	Life expectancy at birth:	'High'	'Medium'	'Low'
	Overseas migration:	'High'	'Medium'	'Low'
	Internal migration:	'High'	'Medium'	'Low'
Sydney		5,159.6	4,947.3	4,700.0
Balance of New South Wales		2,774.1	2,736.7	2,702.3
<i>Total New South Wales</i>		<i>7,933.6</i>	<i>7,684.0</i>	<i>7,402.3</i>
Melbourne		4,391.5	4,220.2	4,084.3
Balance of Victoria		1,437.1	1,469.8	1,504.5
<i>Total Victoria</i>		<i>5,828.7</i>	<i>5,690.0</i>	<i>5,588.8</i>
Brisbane		2,524.5	2,318.3	2,132.6
Balance of Queensland		2,984.2	2,738.7	2,479.9
<i>Total Queensland</i>		<i>5,508.6</i>	<i>5,057.0</i>	<i>4,612.5</i>
Adelaide		1,194.3	1,183.5	1,175.0
Balance of South Australia		411.8	410.3	409.7
<i>Total South Australia</i>		<i>1,606.1</i>	<i>1,593.8</i>	<i>1,584.7</i>
Perth		1,960.3	1,824.8	1,674.8
Balance of Western Australia		655.1	606.6	537.6
<i>Total Western Australia</i>		<i>2,615.4</i>	<i>2,431.4</i>	<i>2,212.4</i>
Hobart		221.7	203.1	189.1
Balance of Tasmania		300.9	270.6	246.2
<i>Total Tasmania</i>		<i>522.5</i>	<i>473.7</i>	<i>435.3</i>
Darwin		160.3	143.2	116.7
Balance of Northern Territory		125.4	99.5	84.4
<i>Total Northern Territory</i>		<i>285.7</i>	<i>242.8</i>	<i>201.1</i>
<i>Total Australian Capital Territory</i>		<i>411.7</i>	<i>366.8</i>	<i>332.6</i>
Total Australia (1)		24,715.4	25,542.3	22,372.7

(1) Includes 'Other Territories'.

Note: Owing to rounding, individual figures may not sum to the stated totals.

Important

It is important to recognise that the projection results given in this report simply reflect the assumptions made about future fertility, mortality and migration trends.



While the assumptions are formulated on the basis of an objective assessment of demographic trends over the past decade and their likely future dynamics, there can be no certainty that they will be realised.

While ABS takes responsibility for the method employed, the assumptions used are the final responsibility of the client, and the projections are not official ABS population statistics.

No liability will be accepted by the Australian Bureau of Statistics for any damages arising from decisions or actions based upon these population projections.

Reference

The projections should be referred to as "...projections prepared by the ABS according to assumptions agreed to by Access Economics".

Additional Information

For further information on population projections refer to the ABS publication *Population Projections Australia, 2002 to 2101* (ABS cat. no. 3222.0) available from ABS offices in all capital cities. For more information, or quotes on the preparation of alternative projections, please contact:

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