

Population health profile of the Logan Area

Division of General Practice: supplement

Population Profile Series: No. 70a

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Interpretation of differences between data in this profile and similar data from other sources needs to be undertaken with care, as such differences may be due to the use of different methodology to produce the data.

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Population health profile

of the Logan Area Division of General Practice: supplement

This profile is a supplement to the *Population health profile of the Logan Area Division of General Practice*, dated November 2005, available from www.publichealth.gov.au. This supplement includes an update of the population of the Logan Area Division of General Practice, as well as additional indicators and aspects of the Division's socioeconomic status, use of GP services and health. The contents are:

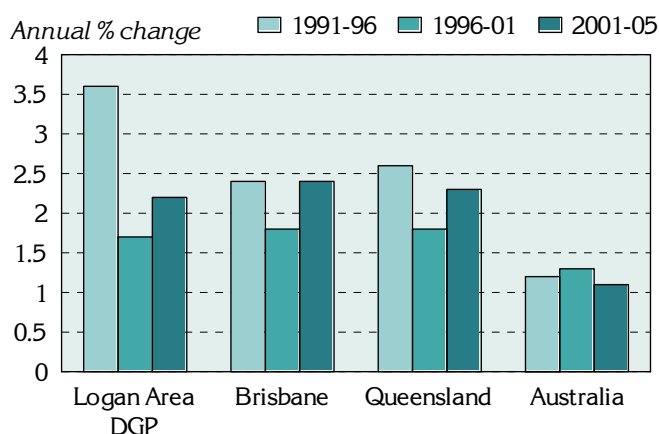
- Population [updated to June 2005]
- Additional socio-demographic indicators
- Unreferred attendances – patient flow/ GP catchment
- Additional prevalence estimates: chronic diseases and risk factors combined
- Avoidable hospitalisations: hospital admissions resulting from ambulatory care sensitive conditions
- Avoidable mortality

For further information on the way Division totals in this report have been estimated, please refer to the 'Notes on the data' section of the *Population health profile*, November 2005 (www.publichealth.gov.au).

Population

The Logan Area Division had an Estimated Resident Population of 281,299 at 30 June 2005.

Figure 1: Annual population change, Logan Area DGP, Brisbane, Queensland and Australia, 1991 to 1996, 1996 to 2001 and 2001 to 2005



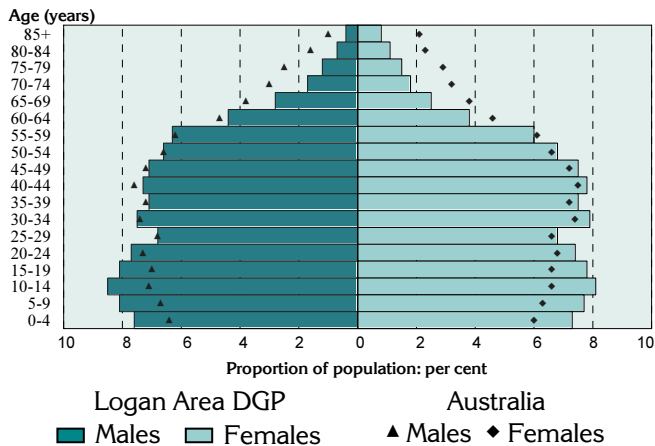
Over the five years from 1991 to 1996, the Division's population increased by 3.6% on average each year, well above that in Brisbane (2.4%), Queensland (2.6%) and Australia (1.2%). From 1996 to 2001, the annual percentage increase in the Division was 1.7%, slightly lower than for Brisbane and for Queensland (both 1.8%). The growth rate of 2.2% per year from 2001 to 2005 was again lower than the annual increase for Brisbane (2.5%), equal to that for Queensland and twice that for Australia (1.1%).

Table 1: Population by age, Logan Area DGP and Australia, 2005

Age group (years)	Logan Area DGP		Australia	
	No.	%	No.	%
0-14	66,624	23.7	3,978,221	19.6
15-24	43,691	15.5	2,819,834	13.9
25-44	82,576	29.4	5,878,107	28.9
45-64	68,102	24.2	4,984,446	24.5
65-74	12,255	4.4	1,398,831	6.9
75-84	6,295	2.2	954,143	4.7
85+	1,755	0.6	315,027	1.5
Total	281,299	100.0	20,328,609	100.0

As shown in the accompanying table and the age-sex pyramid above, Logan Area DGP had a higher proportion of children and young people than Australia as a whole, with 23.7% at ages 0 to 14 years (compared to 19.6%) and 15.5% aged 15 to 24 years, (compared to 13.9%) (Table 1). Conversely, there were fewer people aged 65 to 85+ years compared to Australia.

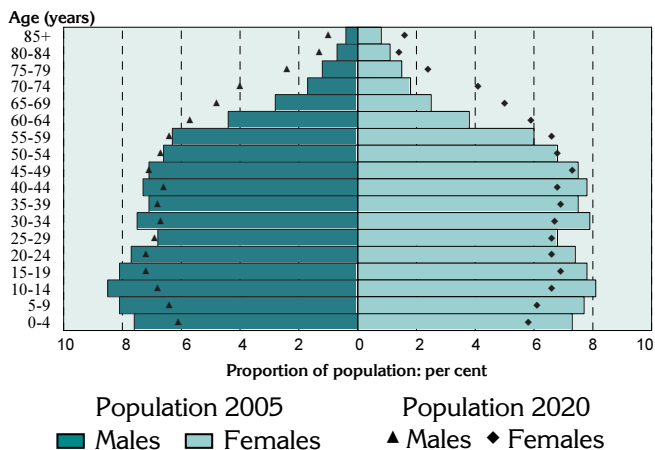
Figure 2: Population in Logan Area DGP and Australia, by age and sex, 2005



The age distribution of the Division's population is similar to that for Australia overall. The most notable differences are:

- at younger ages – relatively more children aged 0 to 14 years and young people aged 15 to 24 years;
- from 25 to 54 years – slightly more females; and
- at older ages – relatively fewer males and females aged 60 to 85+ years.

Figure 3: Population projections for Logan Area DGP, by age and sex, 2005 and 2020



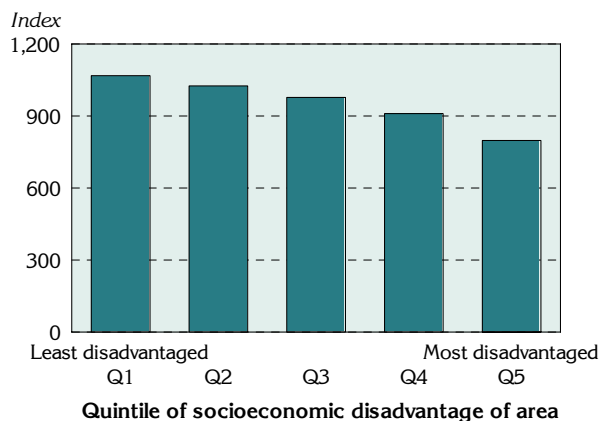
The population projections for the Division show a number of changes in age distribution, with the 2020 population projected to have:

- at younger ages – relatively fewer males and females aged 0 to 24 years
- from 30 to 44 years – lower proportions of both males and females; and
- from age 50 years (55 for females) – relatively more males and females (most pronounced at ages 60 to 74 years).

Additional socio-demographic indicators

Please refer to the earlier *Population health profile of the Logan Area Division of General Practice*, dated November 2005, available from www.publichealth.gov.au, for other socio-demographic indicators.

Figure 4: Index of Relative Socio-Economic Disadvantage, Logan Area DGP, 2001



One of four socioeconomic indexes for areas produced at the 2001 ABS Census is the Index of Relative Socio-Economic Disadvantage.

The Logan Area DGP has an index score of 955, below the score for Australia of 1000: this score varies widely across the Division, from a low of 798 in the most disadvantaged areas to 1068 in the least disadvantaged areas.

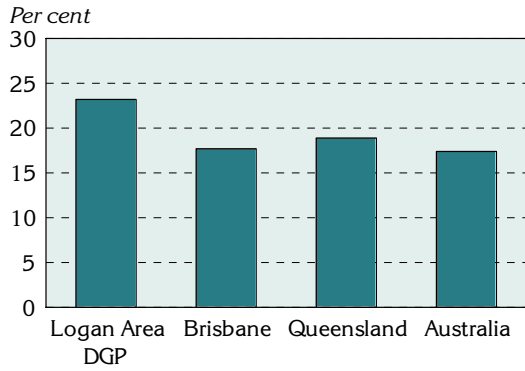
Note: each 'quintile' comprises approximately 20% of the population of the Division.

A new indicator, produced for the first time at the 2001 ABS Census, shows the number of jobless families with children under 15 years of age. There were markedly more jobless families in the Logan Area DGP (23.2%), compared to Brisbane as a whole (17.7%) (Figure 5, Table 2).

With the introduction of the 30% rebate for private health insurance premiums, there was a once-off registration process, providing information of the postcode and residence of those who had such insurance (these data are not available at this area level for later dates). In 2001, the Division had a markedly lower proportion of the population with private health insurance (34.1%), compared to Brisbane (43.5%) (Figure 5, Table 2).

Figure 5: Socio-demographic indicators, Logan Area DGP, Brisbane, Queensland and Australia, 2001

Jobless families with children under 15 years old



Private health insurance, 30 June

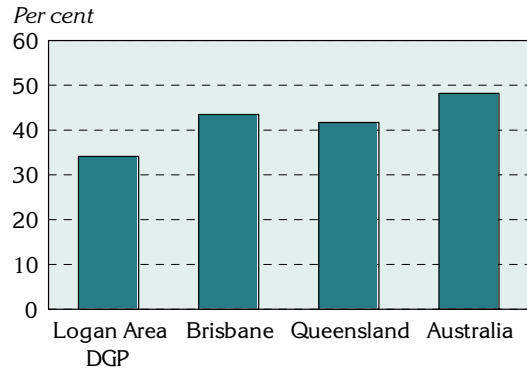
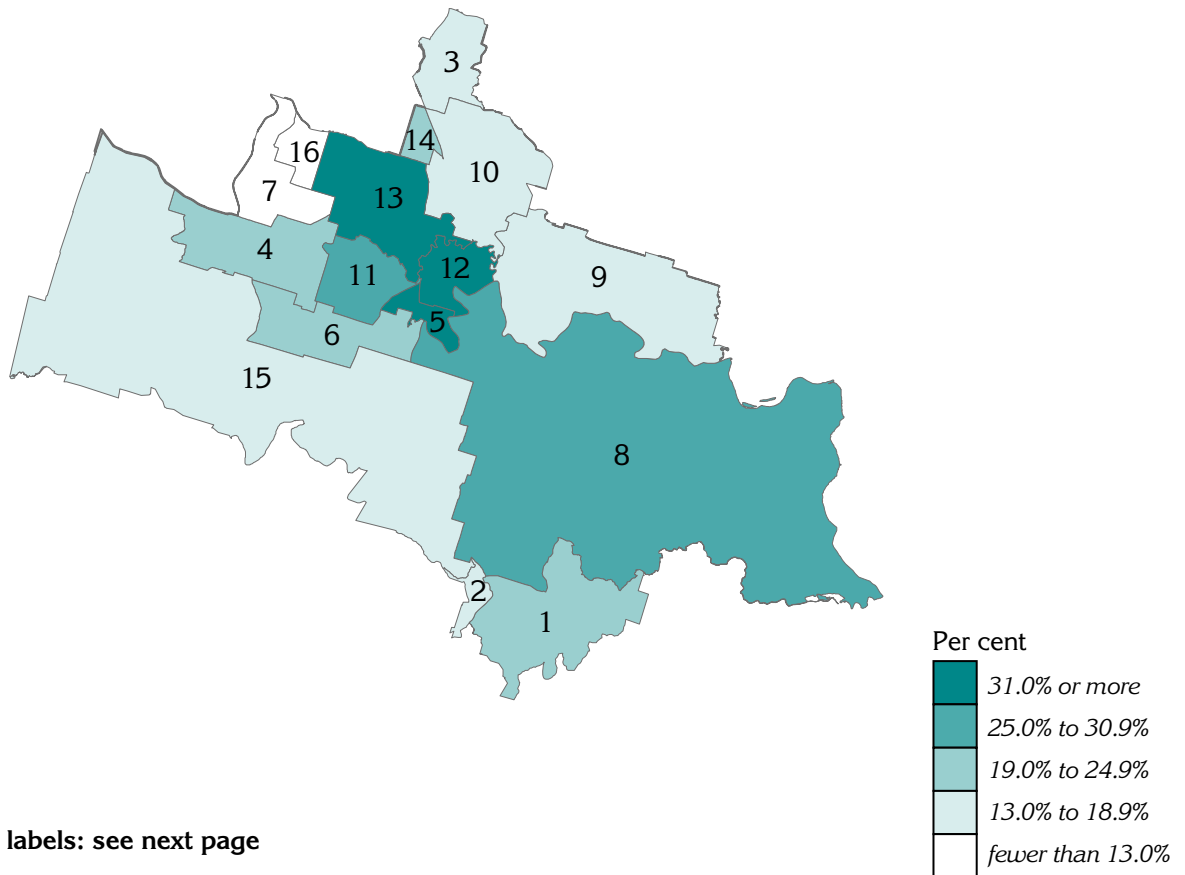


Table 2: Socio-demographic indicators, Logan Area DGP, Brisbane, Queensland and Australia, 2001

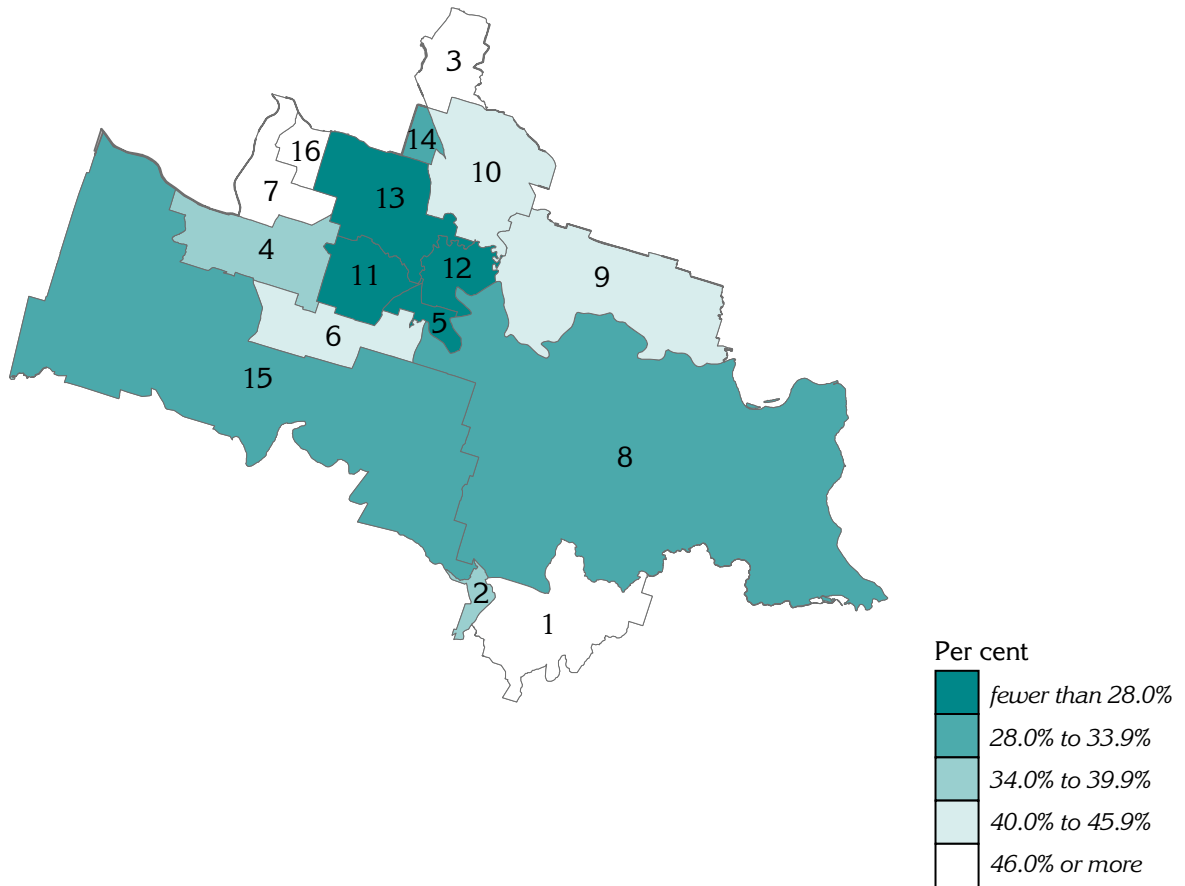
Indicator	Logan Area DGP		Brisbane		Queensland		Australia	
	No.	%	No.	%	No.	%	No.	%
Jobless families with children under 15 years old	7,739	23.2	31,941	17.7	74,942	18.9	357,563	17.4
Private health insurance (30 June)	86,372	34.1	698,753	43.5	1,511,613	41.7	8,671,106	46.0

Details of the distribution of jobless families (Map 1) and of the population covered by private health insurance (Map 2) are shown by Statistical Local Area (SLA) in Maps 1 and 2, respectively.

Map 1: Jobless families with children under 15 years of age by SLA, Logan Area DGP, 2001



Map 2: People covered by private health insurance by SLA, Logan Area DGP, 30 June 2001



Alphabetical key to SLA/SLA group, Logan Area DGP, 2001

Algerter/Parkinson-Drewvale	7	Logan - Balance	6
Beaudesert - Part B	2	Loganlea	12
Berrinba-Karawatha/Kingston	13	Marsden	11
Bethania-Waterford/Eagleby	8	Mt Gravatt/Rochedale	3
Browns Plains	4	Rochedale South/Slacks Creek	10
Calamvale	16	Tanah Merah/Carbrook-Cornubia	9
Coomera-Cedar Creek	1	Underwood	14
Greenbank/Beaudesert	15	Waterford West	5

GP services to residents of the Logan Area DGP

The following tables include information, purchased from Medicare Australia, of the movement of patients and GPs between Divisions. Note that the data only include unreferral attendances recorded under Medicare: unreferral attendances not included are those for which the cost is met by the Department of Veterans' Affairs or a compensation scheme; or are provided by salaried medical officers in hospitals, community health services or Aboriginal Medical Services, and which are not billed to Medicare. At any attendance, one or more services may have been provided.

Almost four fifths (79.5%) of all unreferral attendances to residents of Logan Area DGP were provided in the Division (ie. by a GP with a provider number in the Division): this represented 1,145,718 GP unreferral attendances (Table 3). A further 9.7% of unreferral attendances to residents were provided by GPs with a provider number in Brisbane South DGP.

Table 3: Patient flow – People living¹ in Logan Area DGP by Division where attendance occurred², 2003/04

Division		Unreferral attendances	
Number	Name	No.	% ³
404	Logan Area DGP	1,145,718	79.5
402	Brisbane South DGP	139,849	9.7
401	South East Alliance (Brisbane) DGP	48,052	3.4
405	GPpartners DGP	40,099	2.8
406	Gold Coast DGP	17,181	1.2
414	Southern Queensland Rural DGP	9,350	0.6
Other	..	41,419	2.9
Total	..	1,441,668	100.0

¹ Based on address in Medicare records

² Division of GP based on provider number

³ Proportion of all unreferral attendances of patients with an address in Division 202 by Division in which attendance occurred

More than four fifths (83.6%) of unreferral attendances provided by GPs with a provider number in Logan Area DGP were also to people living in the Division (ie. their Medicare address was in the Division) (Table 4). A further 4.9% of unreferral attendances by GPs in the Division were to residents from Brisbane South DGP.

Table 4: GP catchment – Unreferral attendances provided by GPs¹ in Logan Area DGP by Division of patient address², 2003/04

Division		Unreferral attendances	
Number	Name	No.	% ³
404	Logan Area DGP	1,145,718	83.6
402	Brisbane South DGP	67,566	4.9
414	Southern Queensland Rural DGP	29,377	2.1
401	South East Alliance (Brisbane) DGP	29,206	2.1
406	Gold Coast DGP	27,339	2.0
408	Ipswich & West Moreton DGP	11,467	0.8
405	GPpartners DGP	11,029	0.8
Other	..	49,051	3.6
Total	..	1,370,753	100.0

¹ Division of GP based on provider number

² Based on address in Medicare records

³ Proportion of all unreferral attendances to GPs with a provider number in Division 202 by Division of patient address

Additional prevalence estimates: chronic diseases and risk factors combined

Please refer to the earlier *Population health profile of the Logan Area Division of General Practice*, dated November 2005, available from www.publichealth.gov.au, for the separate prevalence estimates of chronic disease; measures of self-reported health and risk factors. The process by which the estimates have been made, and details of their limitations, are also described in the 'Notes on the data' section of this earlier profile.

In this section two estimates, which combine the prevalence of selected chronic diseases with a risk factor, are shown for the Division. The measures are of people who *had asthma and were smokers*, and people who *had type 2 diabetes and were overweight or obese*: note that the estimates have been predicted from self-reported data, and are not based on clinical records or physical measures.

It is estimated that there were more people in Logan Area DGP who had asthma and were smokers, compared to Brisbane and Australia (Figure 6, Table 5): that is, the prevalence rates per 1,000 population were higher. Similarly, there were higher rates of people in Logan Area DGP who had type 2 diabetes and were overweight/ obese, compared to Brisbane and Australia.

Figure 6: Estimates of selected chronic diseases and risk factors, Logan Area DGP, Brisbane and Australia, 2001



Table 5: Estimates of selected chronic diseases and risk factors, Logan Area DGP, Brisbane, Queensland and Australia, 2001

Variable	Logan Area DGP		Brisbane		Queensland		Australia	
	No. ¹	Rate ²	No. ¹	Rate ²	No. ¹	Rate ²	No. ¹	Rate ¹
Had asthma & smoked ³	6,490	24.8	37,177	21.6	83,759	23.2	397,734	20.8
Had type 2 diabetes & were overweight/obese ⁴	3,146	16.4	23,133	15.7	52,952	15.0	283,176	15.2

¹ No. is a weighted estimate of the number of people in Logan Area DGP reporting these chronic conditions/ with these risk factors and is derived from synthetic predictions from the 2001 NHS

² Rate is the indirectly age-standardised rate per 1,000 population

³ Population aged 18 years and over

⁴ Population aged 15 years and over

Avoidable hospitalisations: hospital admissions resulting from ambulatory care sensitive conditions

The rationale underlying the concept of avoidable hospitalisations is that timely and effective care of certain conditions, delivered in a primary care setting, can reduce the risk of hospitalisation. Admissions to hospital for these ambulatory care sensitive (ACS) conditions can be avoided in three ways. Firstly, for conditions that are usually preventable through immunisation or nutritional intervention, disease can be prevented almost entirely. Secondly, diseases or conditions that can lead to rapid onset problems, such as dehydration and gastroenteritis, can be treated. Thirdly, chronic conditions, such as congestive heart failure, can be managed to prevent or reduce the severity of acute flare-ups to avoid hospitalisation.

This measure does not include other aspects of avoidable morbidity, namely potentially preventable hospitalisations (hospitalisations resulting from diseases preventable through population based health promotion strategies, e.g. alcohol-related conditions; and most cases of lung cancer) and hospitalisations avoidable through injury prevention (e.g. road traffic accidents).

For information on the ambulatory care sensitive conditions and ICD codes included in the analysis in this section, please refer to the *Atlas of Avoidable Hospitalisations in Australia: ambulatory care-sensitive conditions*, available from www.publichealth.gov.au.

In 2001 to 2002, the 6,552 admissions from ambulatory care sensitive (ACS) conditions accounted for 8.4% of all admissions in the Logan Area DGP (Table 6, Figure 7), consistent with the levels in Queensland (8.5%) and Australia (8.7%).

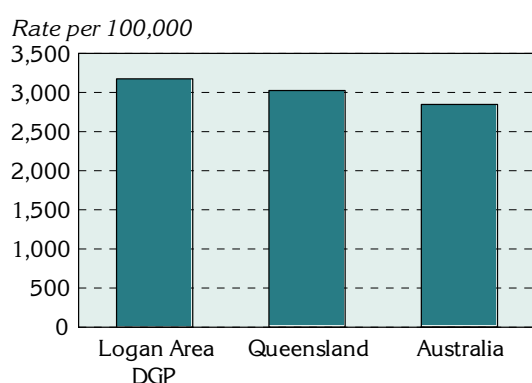
Table 6: Avoidable¹ and unavoidable hospitalisations, Logan Area DGP, Queensland, and Australia, 2001/02

Category	Logan Area DGP			Queensland			Australia		
	No.	Rate ²	%	No.	Rate ²	%	No.	Rate ²	%
Avoidable ¹	6,552	3,173.8	8.4	106,884	3,025.0	8.5	552,786	2,847.5	8.7
Unavoidable	71,195	32,129.4	91.6	1,153,519	32,410.1	91.5	5,818,199	29,970.7	91.3
Total	77,747	35,295.6	100.0	1,260,403	35,435.5	100.0	6,370,985	32,818.2	100.0

¹ Admissions resulting from ACS conditions

² Rate is the indirectly age-standardised rate per 100,000 population

Figure 7: Avoidable hospitalisations¹, Logan Area DGP, Queensland and Australia, 2001/02



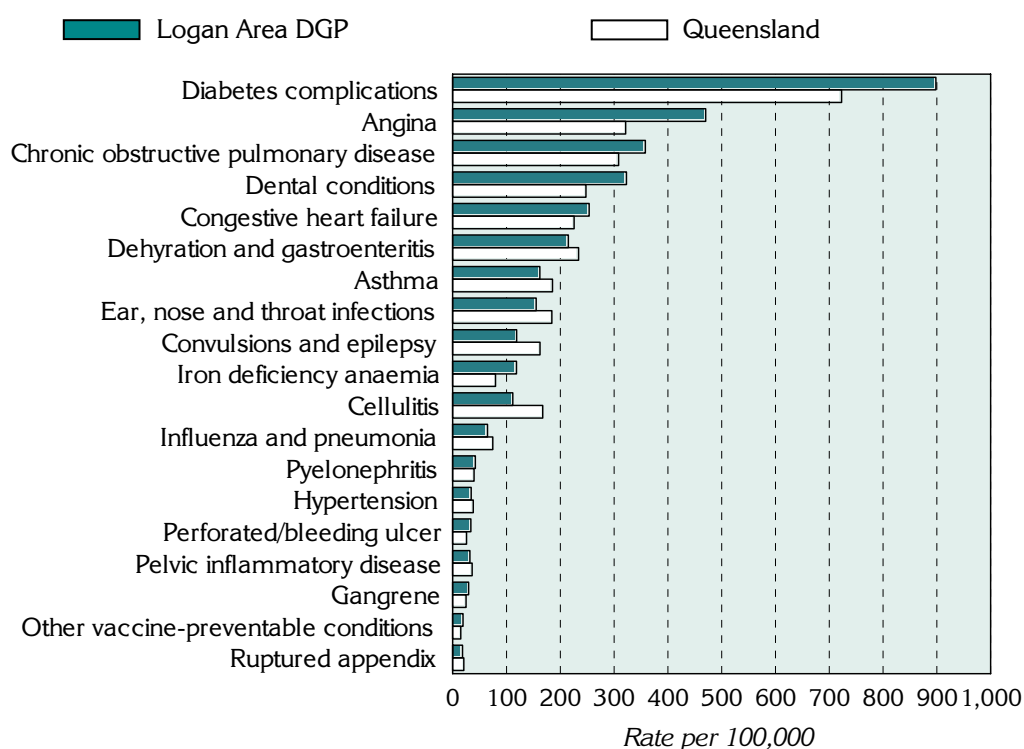
The rate of avoidable hospitalisations in Logan Area DGP is higher, a rate of 3,173.8 admissions per 100,000 population, compared to Queensland (a rate of 3,025.0), and higher than Australia (2,847.5).

¹ Admissions resulting from ACS conditions

Diabetes complications, angina, chronic obstructive pulmonary disease and dental conditions were the four conditions with the highest rates of avoidable hospitalisations in the Logan Area DGP (Figure 8, Table 7).

Table 7 shows the number, rate and proportion of avoidable hospitalisations, for the individual ACS conditions, as well as the vaccine-preventable; acute; and chronic sub-categories. Almost two-thirds of avoidable hospitalisations are attributable to chronic health conditions. The predominance of hospitalisations for chronic conditions in this period can be primarily attributed to the large number of admissions for diabetes complications. Dental conditions; and dehydration and gastroenteritis have the highest rates of avoidable hospitalisations for the acute conditions.

Figure 8: Avoidable hospitalisations¹ by condition, Logan Area DGP and Queensland, 2001/02



¹ Admissions resulting from ACS conditions: excludes nutritional deficiencies as less than ten admissions

Table 7: Avoidable hospitalisations¹ by condition, Logan Area DGP, Queensland and Australia, 2001/02

Sub-category/ condition	Logan Area DGP		Queensland		Australia	
	No.	Rate ²	No.	Rate ²	No.	Rate ²
Vaccine-preventable	187	84.0	3,188	89.6	16,573	85.4
Influenza and pneumonia	138	64.8	2,646	74.6	13,021	67.1
Other vaccine preventable	49	19.2	542	15.0	3,552	18.3
Chronic³	4,015	2,295.2	65,455	1,882.0	352,545	1,816
Diabetes complications	1,598	898.2	25,175	722.9	141,345	728.1
Iron deficiency anaemia	222	118.6	2,772	79.7	16,451	84.7
Hypertension	62	34.4	1,324	38.3	6,354	32.7
Congestive heart failure	339	253.6	7,617	225.5	42,447	218.6
Angina	794	470.2	11,134	321.5	49,963	257.4
Chronic obstructive pulmonary disease	555	358.2	10,619	308.5	54,853	282.6
Asthma	445	162.0	6,814	185.6	41,009	211.3
Acute	2,702	1,080.3	41,300	1,143.3	200,913	1,035
Dehydration and gastroenteritis	462	215.0	8,278	234.1	37,766	194.5
Convulsions and epilepsy	311	119.0	5,902	162.3	31,137	160.4
Ear, nose and throat infections	448	155.4	6,829	184.4	32,075	165.2
Dental conditions	891	323.0	9,101	247.8	43,667	224.9
Perforated/bleeding ulcer	57	33.9	892	25.8	5,795	29.9
Ruptured appendix	49	18.4	754	20.7	3,866	19.9
Pyelonephritis	105	42.2	1,437	39.8	7,386	38.0
Pelvic inflammatory disease	86	32.1	1,315	36.2	6,547	33.7
Cellulitis	241	111.8	5,930	167.4	28,204	145.3
Gangrene	52	29.5	862	24.8	4,470	23.0
Total avoidable hospitalisations⁴	6,552	3,173.8	106,884	3,025.0	552,786	2,847.5

¹ Admissions resulting from ACS conditions

² Rate is the indirectly age-standardised rate per 100,000 population

³ Excludes nutritional deficiencies as less than ten admissions

⁴ Sub-category and condition numbers and rates do not add to the reported total avoidable admissions: five conditions (influenza & pneumonia, other vaccine preventable, diabetes complications, ruptured appendix and gangrene) are counted in 'any diagnosis', so may be included in more than one condition group

Avoidable mortality

Avoidable and amenable mortality comprises those causes of death that are potentially avoidable at the present time, given available knowledge about social and economic policy impacts, health behaviours, and health care (the latter relating to the subset of amenable causes).

For information on the avoidable and amenable mortality conditions and ICD codes included in the analysis in this section, please refer to the *Australian and New Zealand Atlas of Avoidable Mortality*, available from www.publichealth.gov.au.

Almost three quarters (73.1%) of all deaths in Logan Area DGP at ages 0 to 74 years over the period 1997 to 2001 are considered to be avoidable, consistent with the proportion for Brisbane (72.7%) (Table 8). Deaths amenable to health care (amenable mortality, a subset of avoidable mortality) accounted for 28.2% of all deaths at ages 0 to 74 years in Logan Area DGP, compared to 28.6% in Brisbane.

Table 8: Avoidable and unavoidable mortality (0 to 74 years) by area, Logan Area DGP, Brisbane, Queensland and Australia, 1997 to 2001

Mortality category	Logan Area DGP		Brisbane		Queensland		Australia	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Avoidable	2,010	218.8	14,656	211.2	35,515	220.6	189,845	211.8
% of total	73.1	..	72.7	..	72.8	..	71.5	..
(Amenable)	(775)	(86.1)	(5,940)	(86.4)	(14,323)	(89.3)	(76,249)	(85.1)
(% of total)	(28.2)	(..)	(29.5)	(..)	(29.3)	(..)	(28.7)	(..)
Unavoidable	741	81.7	5,498	79.7	13,291	82.7	75,582	84.3
% of total	26.9	..	27.3	..	27.2	..	28.5	..
Total mortality	2,751	300.6	20,154	291.0	48,806	303.4	265,427	296.1
%	100.0	..	100.0	..	100.0	..	100.0	..

¹ Rate is the indirectly age-standardised rate per 100,000 population

Rates of avoidable mortality were higher for males than for females in each of the comparator areas. Logan Area DGP's rate of avoidable mortality for males was 281.2 deaths per 100,000 males, notably higher than the rate of 155.6 for females. Similarly, the rate of amenable mortality for males in the Division was higher, 96.4, compared to 75.7 for females, a rate ratio of 1.27 (Figure 9, Table 9).

Figure 9: Avoidable and amenable mortality by sex (0 to 74 years), Logan Area DGP, Brisbane, Queensland and Australia, 1997 to 2001

Note: the different scales

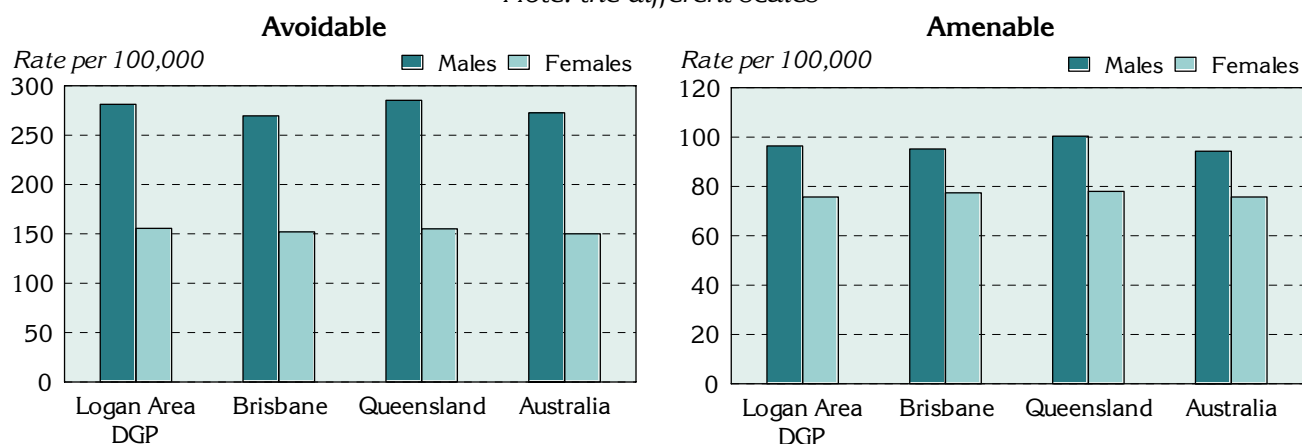


Table 9: Avoidable and amenable mortality (0 to 74 years) by sex, Logan Area DGP, Brisbane, Queensland and Australia, 1997 to 2001

Mortality category and sex	Logan Area DGP		Brisbane		Queensland		Australia	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Avoidable								
Males	1,323	281.2	9,362	269.5	23,316	285.3	123,026	272.6
Females	687	155.6	5,294	152.0	12,199	155.1	66,819	150.1
Total	2,010	218.8	14,656	211.2	35,515	220.6	189,845	211.8
Rate ratio–M:F²	..	1.81**	..	1.77**	..	1.84**	..	1.82**
Amenable								
Males	438	96.4	3,249	95.2	8,181	100.4	42,568	94.3
Females	337	75.7	2,691	77.4	6,142	78.0	33,681	75.7
Total	775	86.1	5,940	86.4	14,323	89.3	76,249	85.1
Rate ratio–M:F²	..	1.27**	..	1.23**	..	1.29**	..	1.25**

¹ Rate is the indirectly age-standardised rate per 100,000 population

² Rate ratio (M:F) is the ratio of male to female rates; rate ratios differing significantly from 1.0 are shown with

* p < 0.05; ** p < 0.01

Another way of measuring premature mortality is to calculate the number of years of life lost (YLL)¹, which takes into account the years a person could have expected to live at each age of death based on the average life expectancy at that age.

The numbers of YLL for Logan Area DGP, Brisbane, Queensland and Australia over the period of analysis are shown in Table 10 by mortality category. However, given the substantial variation in the populations of these areas, a comparison of the proportion of YLL for each area is also shown.

YLL from avoidable mortality accounted for 72.8% of total YLL (0 to 74 years) for Logan Area DGP, was consistent with the 72.8% for Brisbane. The proportion of YLL from amenable mortality of 27.5% for Logan Area DGP was lower than 28.9% for Brisbane.

Table 10: Years of life lost from avoidable mortality (0 to 74 years), Logan Area DGP, Brisbane, Queensland and Australia, 1997 to 2001

Mortality category	Logan Area DGP		Brisbane		Queensland		Australia	
	No.	% of total	No.	% of total	No.	% of total	No.	% of total
Avoidable	38,170	72.8	260,170	72.8	629,779	72.9	3,327,375	71.9
(Amenable)	(14,408)	(27.5)	(103,340)	(28.9)	(247,893)	(28.7)	(1,298,430)	(28.0)
Unavoidable	14,253	27.2	97,013	27.2	234,699	27.1	1,303,289	28.1
Total	52,423	100.0	357,183	100.0	864,478	100.0	4,630,664	100.0

¹ Years of life lost were calculated using the remaining life expectancy method (this provides an estimate of the average time a person would have lived had he or she not died prematurely). The reference life table was the Coale and Demeny Model Life Table West level 26 female (for both males and females), with the YLL discounted to net present value at a rate of 3 per cent per year.

In each of the areas in Table 11, the majority of avoidable mortality at ages 0 to 74 years occurred in the 65 to 74 year age group (Table 11), with 1,449.4 deaths per 100,000 population in Logan Area Division. The 45 to 64 year age group accounted for the next highest rate of avoidable death in all of the comparators, with a rate 312.9 in Logan Area Division.

Table 11: Avoidable and amenable mortality by age, Logan Area DGP, Brisbane, Queensland and Australia, 1997 to 2001

Mortality category and age (years)	Logan Area DGP		Brisbane		Queensland		Australia	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Avoidable								
0-14	110	35.0	500	30.1	1,208	32.2	5,669	28.8
15-24	110	54.8	562	44.8	1,386	54.3	7,045	52.8
25-44	305	78.2	1,916	77.8	4,527	84.9	24,356	83.9
45-64	794	312.9	5,107	301.7	12,543	322.5	64,282	304.9
65-74	691	1,449.4	6,571	1410.9	15,851	1404.6	88,493	1,358.1
Total	2,010	218.8	14,656	211.2	35,515	220.6	189,845	211.8
Amenable								
0-24	90	17.1	451	15.9	1,059	16.8	5,083	15.4
25-44	67	17.0	491	20.1	1,165	21.8	5,946	20.5
45-64	339	134.4	2,236	132.2	5,352	137.9	27,464	130.3
65-74	279	587.7	2,762	591.5	6,748	599.1	37,756	579.4
Total	775	86.1	5,940	86.4	14,323	89.3	76,249	85.1

¹ Rate is the indirectly age-standardised rate per 100,000 population

Table 12 shows the number and age-standardised death rate by selected major condition group and selected causes included in the avoidable mortality classification.

The highest rates of avoidable mortality for the selected major condition groups in the Logan Area DGP were for cardiovascular diseases, with a rate of 76.9 deaths per 100,000 population, and cancer, 68.7 deaths per 100,000 population (Table 12, Figure 10). For the selected causes within the condition groups, the two major causes of avoidable mortality were ischaemic heart disease and lung cancer, with rates of 57.7 per 100,000 population and 27.4 per 100,000, respectively.

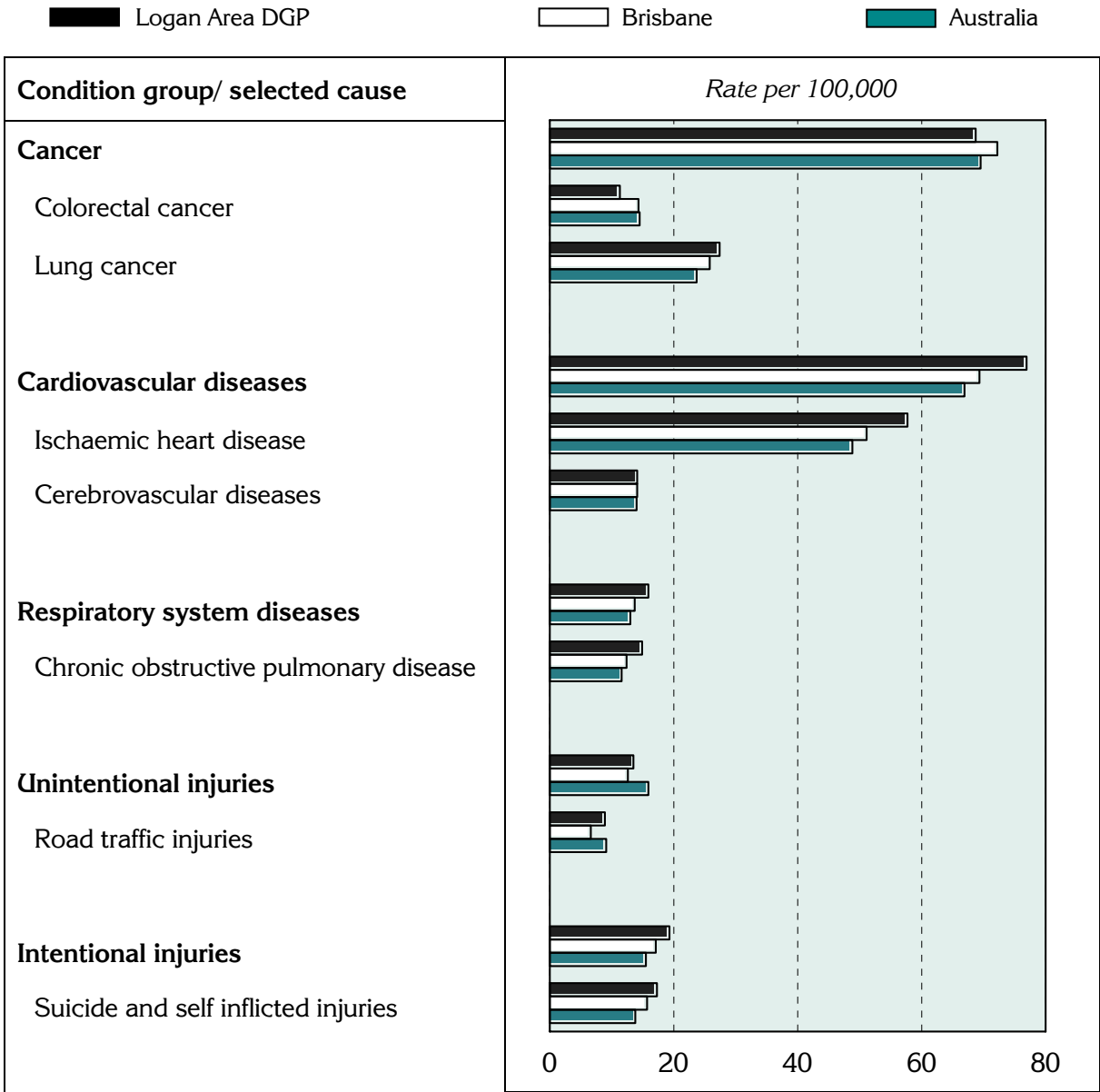
Table 12: Avoidable mortality (0 to 74 years) by major condition group and selected cause, Logan Area DGP, Brisbane, Queensland and Australia, 1997 to 2001

Condition group/ selected cause	Logan Area DGP		Brisbane		Queensland		Australia	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Cancer	601	68.7	4,928	72.2	11,618	72.6	62,338	69.5
Colorectal cancer	96	11.3	967	14.3	2,392	15.0	13,008	14.5
Lung cancer	228	27.4	1,733	25.8	4,062	25.4	21,208	23.7
Cardiovascular diseases	630	76.9	4,648	69.3	11,294	71.0	59,945	66.9
Ischaemic heart disease	476	57.7	3,429	51.1	8,434	52.9	43,712	48.8
Cerebrovascular diseases	113	14.1	947	14.1	2,210	14.0	12,558	14.0
Respiratory system diseases	122	15.9	906	13.7	2,168	13.7	11,612	13.0
Chronic obstructive pulmonary disease	110	14.9	811	12.4	1,970	12.5	10,395	11.6
Unintentional injuries	162	13.5	968	12.6	2,630	15.8	14,224	15.9
Road traffic injuries	107	8.9	511	6.6	1,565	9.4	8,138	9.1
Intentional injuries	228	19.3	1,305	17.1	3,017	18.2	13,891	15.5
Suicide and self inflicted injuries	204	17.3	1,198	15.7	2,719	16.4	12,393	13.8

¹ Rate is the indirectly age-standardised rate per 100,000 population

Rates in the Division were generally above or consistent with those in Australia and Brisbane: the main exceptions were for cancer (total and colorectal) and unintentional injuries (Figure 10).

Figure 10: Avoidable mortality (0 to 74 years) by major condition group and selected cause, Logan Area DGP, Brisbane and Australia, 1997 to 2001



Notes on the data

Data sources and limitations

General

References to 'Brisbane' relate to the Brisbane Statistical Division.

Data sources

Table 13 details the data sources for the material presented in this profile.

Table 13: Data sources

Section	Source
Population	
Figures 1 and 2; Table 1	Estimated Resident Population, ABS, 30 June for the periods shown
Figure 3	Estimated Resident Population, ABS, 30 June 2005; Population Projections, ABS, 30 June 2020 (unpublished) ¹
Additional socio-demographic indicators	
Figure 4	ABS SEIFA package, Census 2001
Table 2; Figure 5; Map 1	Jobless families, ABS, 2001 (unpublished)
Table 2; Figure 5; Map 2	Private health insurance, from Hansard
GP services – patient flow/ GP catchment	
Tables 3 and 4	Medicare Australia, 2003/04
Additional prevalence estimates: chronic diseases and risk factors combined	
Figure 6; Table 5	Estimated from 2001 National Health Survey (NHS), ABS (unpublished)
Avoidable hospitalisations: hospital admissions resulting from ambulatory care sensitive conditions	
Tables 6 and 7; Figures 7 and 8	National Hospital Morbidity Database at Australian Institute of Health & Welfare, 2001/02; data produced in HealthWIZ by Prometheus Information (not available in public release dataset)
Avoidable mortality	
Tables 8, 9, 10, 11 and 12; Figures 9 and 10	ABS Deaths 1997-2001; data produced in HealthWIZ by Prometheus Information (not available in public release dataset)

¹ The projected population at June 2020 is based on the 2002 ERP. As such, it is somewhat dated, and does not take into account more recent demographic trends: it is however the only projection series available at the SLA level for the whole of Australia.

Methods

For background information on the additional prevalence estimates presented in this profile, please refer to the 'Notes on the data' section of the *Population health profile*, November 2005 (www.publichealth.gov.au).

Please also refer to the November 2005 profile for information on the data converters.

Mapping

In some Divisions the maps may include a very small part of an SLA which has not been allocated any population; or has a population of less than 100 or has less than 1% of the SLAs total population; or there were less than five cases (i.e. jobless families, people with health insurance): these areas are mapped with a pattern.

Statistical geography of the Logan Area DGP

For information on the postcodes in the Division, please refer the Department of Health and Ageing website <http://www.health.gov.au/internet/wcms/publishing.nsf/Content/health-pcd-programs-divisions-divspc.htm>; also included in table format in the 'Notes on the data' section of the *Population health profile*, November 2005 (www.publichealth.gov.au).

Statistical Local Areas (SLAs) are defined by the Australian Bureau of Statistics to produce areas for the presentation and analysis of data. In Brisbane, SLAs are based on suburbs: as many of these have very small populations, they have in some cases been grouped to form areas of larger population: the groupings are those used in HealthWIZ. The individual suburbs and groups of suburbs that comprise the Division are listed in Table 14. The SLA group name does not in all cases include the names of all suburbs (SLAs) in the group: all relevant SLA codes are shown in the table.

Table 14: SLAs and population in Logan Area DGP, 2005 on 2001 boundaries

SLA code ¹	SLA/SLA group name	Per cent of SLA/ SLA group's population in the Division*	Estimate of the SLA/ SLA group's 2005 population in the Division
31012	Algester/Parkinson-Drewvale	100.0	19,499
30557	Beaudesert Part B	1.4	400
33461, 33463, 33466, 33471, 33476, 33494, 33496	Bethania-Waterford/Eagleby	100.0	52,220
34601	Browns Plains	100.0	28,601
31094	Calamvale	100.0	10,152
33532	Coomera-Cedar Creek	3.5	654
30552, 34608	Greenbank/Beaudesert	67.4	27,064
34663	Logan Balance	100.0	2,507
34618	Loganlea	100.0	8,170
34623	Marsden	100.0	18,776
31372, 31402, 31405, 31495, 31588, 31626	Mt Gravatt/Rochedale	2.9	1,263
34605, 34631, 34637, 34642	Rochedale South/Slacks Creek	100.0	37,115
31541, 34612, 34656	Stretton-Karawatha/Kingston	100.0	35,322
34603, 34615, 34634, 34635	Tanah Merah/Carbrook Cornubia	100.0	30,033
34651	Underwood	100.0	4,316
34654	Waterford West	100.0	5,527

* Proportions are approximate and are known to be incorrect in some cases, due to errors in the concordance used to allocate CDs to form postal areas

Acknowledgements

Funding for these profiles was provided by the Population Health Division of the Department of Health and Ageing (DoHA).

Further developments and updates

When the re-aligned boundaries are released and DoHA have made known their geographic composition, PHIDU will examine the need to revise and re-publish these profiles (*Population health profile*, dated November 2005, and the *Population health profile: supplement*, dated March 2007).

PHIDU contact details

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