Population health profile of the

Cairns

Division of General Practice: supplement

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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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Enquiries about or comments on this publication should be addressed to:

PHIDU, The University of Adelaide, South Australia 5005 Phone: 08-8303 6236 or e-mail: PHIDU@publichealth.gov.au

This publication, the maps and supporting data, together with other publications on population health, are available from the PHIDU website (<u>www.publichealth.gov.au</u>).

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Contributors: Anthea Page, Sarah Ambrose, Kristin Leahy and John Glover

Population health profile of the Cairns Division of General Practice: supplement

This profile is a supplement to the *Population health profile of the Cairns Division of General Practice*, dated November 2005, available from <u>www.publichealth.gov.au</u>. This supplement includes an update of the population of the Cairns 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:

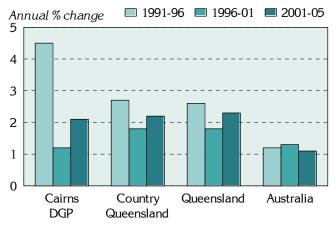
- Population [updated to June 2005]
- Additional socio-demographic indicators
- Unreferred attendances patient flow/ GP catchment
- Additional prevalence estimates: chronic diseases and risk factors combined
- Avoidable hospitalisations: hospital admissions resulting from ambulatory care sensitive conditions
- 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 Cairns Division had an Estimated Resident Population of 129,852 at 30 June 2005.

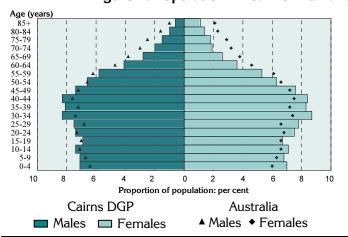
Figure 1: Annual population change, Cairns DGP, country Queensland, Queensland and Australia, 1991 to 1996, 1996 to 2001 and 2001 to 2005



Over the five years from 1991 to 1996, the Division's population increased by 4.5% on average each year, higher than in country Queensland (2.7%) and Queensland (2.6%). From 1996 to 2001, the annual percentage growth rate in the Division fell to 1.2%, lower than in country Queensland and Queensland (1.8%), and just above that for Australia (1.3%). The growth rate of 2.1% per year from 2001 to 2005 was consistent with the annual increases in country Queensland (2.2%) and Queensland (2.3%).

Age group	Cairns	DGP	Australia		
(years)	No.	%	No.	%	_ ,
0-14	27,616	21.3	3,978,221	19.6	
15-24	18,488	14.2	2,819,834	13.9	
25-44	42,544	32.8	5,878,107	28.9	
45-64	30,283	23.3	4,984,446	24.5	
65-74	6,075	4.7	1,398,831	6.9	
75-84	3,722	2.9	954,143	4.7	,
85+	1,124	0.9	315,027	1.5	
Total	129,852	100.0	20,328,609	100.0	_

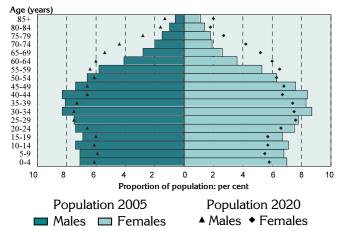
As shown in the accompanying table and the age-sex pyramid below, Cairns DGP had relatively more 0 to 14 year olds (21.3%) and 25 to 44 year olds (32.8%), compared with Australia as a whole (19.6% and 28.9%). (Table 1). Conversely, the proportions of the Division's population aged 45 years and over were lower than those for Australia.



The most notable differences in the age distribution of the Division's population (when compared to Australia overall) are:

- below 50 years of age relatively more males and females aged 0 to 14 years and 20 to 49 years (males from 25 years); and
- from 50 years onwards relatively smaller proportions of both males and females.

Figure 3: Population projections for Cairns 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:

- relatively fewer males aged 0 to 54 years (except at ages 25 to 29 years), and females aged 0 to 50 years; and
- from 55 years old higher proportions of 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 Cairns, Division of General Practice,* dated November 2005, available from <u>www.publichealth.gov.au</u>, for other socio-demographic indicators.

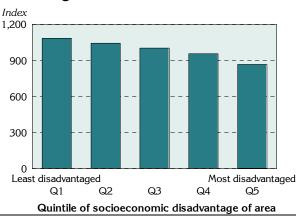


Figure 4: Index of Relative Socio-Economic Disadvantage, Cairns DGP, 2001

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

The Cairns DGP has an index score of 990, just below the score for Australia of 1000: this score varies across the Division, from a low of 867 in the most disadvantaged areas to 1085 in the least disadvantaged areas.

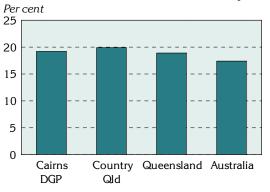
Note: each 'quintile' comprises approximately 20% of the population of the Division.

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 slightly fewer jobless families in the Cairns DGP (19.2%), than for country Queensland as a whole (19.9%) (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 notably lower proportion of the population with private health insurance (34.2%), compared to country Queensland (40.3%) (Figure 5, Table 2).

Figure 5: Socio-demographic indicators, Cairns DGP, country Queensland, Queensland and Australia, 2001

Jobless families with children under 15 years old



Private health insurance, 30 June
Per cent

Qld

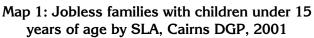
 Table 2: Socio-demographic indicators, Cairns DGP, country Queensland, Queensland

 and Australia, 2001

DGP

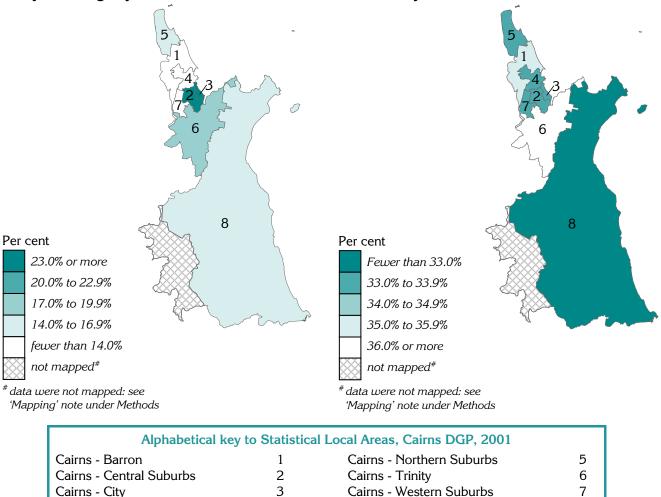
Indicator	Cairns	DGP	Country Queensland		Queensland		Australia	
	No.	%	No.	%	No.	%	No.	%
Jobless families with children under 15 years old	2,606	19.2	42,801	19.9	74,942	18.9	357,563	17.4
Private health insurance (30 June)	45,705	34.2	812,860	40.3	1,511,613	41.7	8,671,106	46.0

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.



Cairns - Mt Whitfield





4

Cairns - Part B

8

GP services to residents of the Cairns 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 unreferred attendances recorded under Medicare: unreferred 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.

The majority (92.7%) of GP unreferred attendances to residents of Cairns DGP were provided in the Division (ie. by a GP with a provider number in the Division): this represented 532,698 GP unreferred attendances (Table 3). A further 2.3% of unreferred attendances to residents were provided by GPs with a provider number in Far North Queensland DGP.

Division		Unreferred at	tendances
Number	Name	No.	% ³
413	Cairns DGP	532,698	92.7
417	Far North Queensland Rural DGP	13,051	2.3
412	Townsville DGP	3,106	0.5
405	GPpartners DGP	2,845	0.5
406	Gold Coast DGP	1,477	0.3
Other		21,378	3.7
Total		574,555	100.0

Table 3: Patient flow – People living ¹ in Cairns DGP by Division where
attendance occurred ² , 2003/04

¹ Based on address in Medicare records

² Division of GP based on provider number

³ Proportion of all unreferred attendances of patients with an address in Division 413 by Division in which attendance occurred

Just over four fifths (83.7%) of unreferred attendances provided by GPs with a provider number in Cairns DGP were also to people living in the Division (ie. their Medicare address was in the Division) (Table 4). A further 5.6% of unreferred attendances by GPs in the Division were to residents of Far North Queensland Rural DGP.

Division		Unreferred at	tendances
Number	Name	No.	% ³
413	Cairns DGP	532,698	83.7
417	Far North Queensland DGP	35,884	5.6
412	Townsville DGP	3,985	0.6
405	GPpartners DGP	3,519	0.6
416	North & West Queensland DGP	3,071	0.5
406	Gold Coast DGP	2,559	0.4
418	Sunshine Coast DGP	2,503	0.4
Other		52,307	8.2
Total		574,555	100.0

Table 4: GP catchment – Unreferred attendances provided by GPs1 in Cairns DGPby Division of patient address2, 2003/04

¹ Division of GP based on provider number

² Based on address in Medicare records

³ Proportion of all unreferred attendances to GPs with a provider number in Division 413 by Division of patient address

Additional prevalence estimates: chronic diseases and risk factors combined

Please refer to the earlier *Population health profile of the Cairns Division of General Practice*, dated November 2005, available from <u>www.publichealth.gov.au</u>, 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 Cairns DGP who had asthma and were smokers, compared to Australia as a whole, although the rates were marginally below those in country Queensland (Figure 6, Table 5): that is, the prevalence rates per 1,000 population were higher than the national rates. However, there were marginally fewer people in Cairns DGP who had type 2 diabetes and were overweight/ obese, compared to Australia and country Queensland.

Figure 6: Estimates of selected chronic diseases and risk factors, Cairns DGP, country Queensland and Australia, 2001



Table 5: Estimates of selected chronic diseases and risk factors, Cairns DGP,country Queensland, Queensland and Australia, 2001

Variable Cairns				ntry Island	Queensland		Australia	
-	No. ¹	Rate ²	No. ¹	Rate ²	No. ¹	Rate ²	No. ¹	Rate ¹
Had asthma & smoked ³	3,143	24.6	46,582	24.8	83,759	23.2	397,734	20.8
Had type 2 diabetes & were overweight/obese ⁴	1,520	14.1	29,819	14.5	52,952	15.0	283,176	15.2

¹ No. is a weighted estimate of the number of people in Cairns 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 <u>www.publichealth.gov.au</u>.

In 2001 to 2002, the 2,745 admissions from ambulatory care sensitive (ACS) conditions accounted for 6.7% of all admissions in the Cairns DGP (Table 6, Figure 7), markedly lower than the levels in Queensland (8.5%) and Australia (8.7%).

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

Category	C	Cairns DGP		Qı	Queensland			Australia		
	No.	Rate ²	%	No.	Rate ²	%	No.	Rate ²	%	
Avoidable ¹	2,745	2,752.5	6.7	106,884	3,025.0	8.5	552,786	2,847.5	8.7	
Unavoidable	38,397	36,366.8	93.3	1,153,519	32,410.1	91.5	5,818,199	29,970.7	91.3	
Total	41,142	39,155.1	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

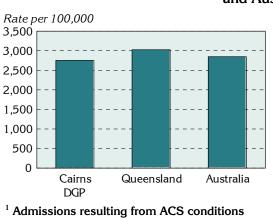


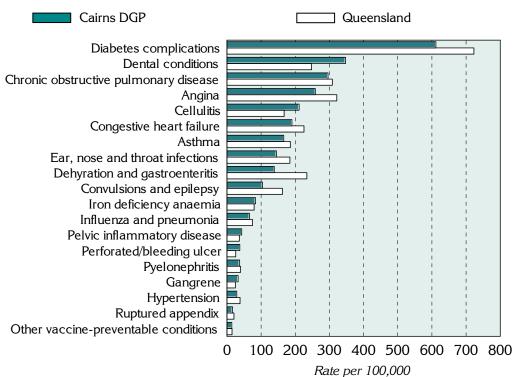
Figure 7: Avoidable hospitalisations¹, Cairns DGP, Queensland and Australia, 2001/02

The rate of avoidable hospitalisations in Cairns DGP is notably lower, a rate of 2,752.5 admissions per 100,000 population, compared to Queensland (a rate of 3,025.0), and Australia (2,847.5).

Diabetes complications, dental conditions, chronic obstructive pulmonary disease and angina were the four conditions with the highest rates of avoidable hospitalisations in the Cairns 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 cellulitis have the highest rates of avoidable hospitalisations for the acute conditions.

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



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

	and Au	stralia, 200	1/02			
Sub-category/ condition	Cairn	s DGP	Queen	sland	Austr	ralia
	No.	Rate ²	No.	Rate ²	No.	Rate ²
Vaccine-preventable	85	80.1	3,188	89.6	16,573	85.4
Influenza and pneumonia	68	65.8	2,646	74.6	13,021	67.1
Other vaccine preventable	17	14.3	542	15.0	3,552	18.3
Chronic ³	1,474	1,635.0	65,455	1,882.0	352,545	1,816
Diabetes complications	552	611.7	25,175	722.9	141,345	728.1
Iron deficiency anaemia	78	83.7	2,772	79.7	16,451	84.7
Hypertension	26	28.8	1,324	38.3	6,354	32.7
Congestive heart failure	148	190.1	7,617	225.5	42,447	218.6
Angina	226	258.7	11,134	321.5	49,963	257.4
Chronic obstructive pulmonary disease	244	295.8	10,619	308.5	54,853	282.6
Asthma	200	166.2	6,814	185.6	41,009	211.3
Acute	1,266	1,112.6	41,300	1,143.3	200,913	1,035
Dehydration and gastroenteritis	144	138.3	8,278	234.1	37,766	194.5
Convulsions and epilepsy	123	103.9	5,902	162.3	31,137	160.4
Ear, nose and throat infections	180	144.7	6,829	184.4	32,075	165.2
Dental conditions	422	347.4	9,101	247.8	43,667	224.9
Perforated/bleeding ulcer	33	37.6	892	25.8	5,795	29.9
Ruptured appendix	19	16.3	754	20.7	3,866	19.9
Pyelonephritis	42	37.1	1,437	39.8	7,386	38.0
Pelvic inflammatory disease	54	43.3	1,315	36.2	6,547	33.7
Cellulitis	219	211.2	5,930	167.4	28,204	145.3
Gangrene	30	32.8	862	24.8	4,470	23.0
Total avoidable hospitalisations ⁴	2,745	2,752.5	106,884	3,025.0	552,786	2,847.5

Table 7: Avoidable hospitalisations ¹ by condition, Cairns DGP, Queensland
and Australia, 2001/02

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.

Three quarters (74.9%) of all deaths in Cairns DGP at ages 0 to 74 years over the period 1997 to 2001 are considered to be avoidable, slightly higher than the proportion for country Queensland (72.8%) (Table 8). However, the rate in the Division is notably higher than that in country Queensland, a differential of 1.16.

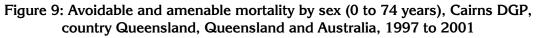
Deaths amenable to health care (amenable mortality, a subset of avoidable mortality) accounted for 28.9% of all deaths at ages 0 to 74 years in Cairns DGP, compared to 29.3% in country Queensland.

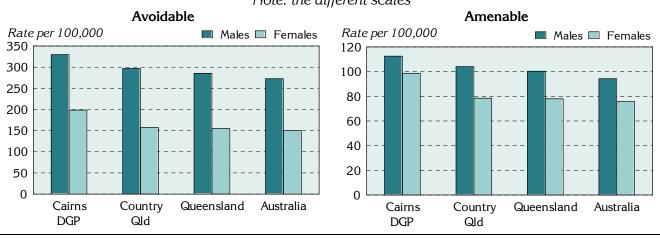
Mortality category	Cairns DGP			Country Queensland		sland	Austr	Australia	
-	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	
Avoidable	1,201	263.9	20,859	227.8	35,515	220.6	189,845	211.8	
% of total	74.9		72.8		72.8		71.5		
(Amenable)	(464)	(105.6)	(8,383)	(91.5)	(14,323)	(89.3)	(76,249)	(85.1)	
(% of total)	(28.9)	()	(29.3)	()	(29.3)	()	(28.7)	()	
Unavoidable	403	90.6	7,793	85.0	13,291	82.7	75,582	84.3	
% of total	25.1		27.2		27.2		28.5		
Total mortality	1,604	354.7	28,652	312.8	48,806	303.4	265,427	296.1	
%	100.0		100.0		100.0		100.0		

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

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. Cairns DGP's rate of avoidable mortality for males was 329.6 deaths per 100,000 males, notably higher than the rate of 198.5 for females. Similarly, the rate of amenable mortality for males in the Division was higher, 112.6, compared to 98.7 for females, a rate ratio of 1.14 (Figure 9, Table 9).





Note: the different scales

Mortality category and sex	Cairns	Cairns DGP		Country Queensland		Queensland		alia
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Avoidable								
Males	782	329.6	9,362	269.5	23,316	285.3	123,026	272.6
Females	419	198.5	5,294	152.0	12,199	155.1	66,819	150.1
Total	1,201	263.9	14,656	211.2	35,515	220.6	189,845	211.8
Rate ratio–M:F ²	••	1.66**	••	1.77**	••	1.84**		1.82**
Amenable								
Males	256	112.6	3,249	95.2	8,181	100.4	42,568	94.3
Females	208	98.7	2,691	77.4	6,142	78.0	33,681	75.7
Total	464	105.6	5,940	86.4	14,323	89.3	76,249	85.1
Rate ratio–M:F ²		1.14		1.23**	••	1.29**		1.25**

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

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 Cairns DGP, country Queensland, 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 74.6% of total YLL (0 to 74 years) for Cairns DGP, higher than the 72.9% for country Queensland: the proportion of YLL from amenable mortality for Cairns DGP (28.0%) was consistent with that for country Queensland (28.5%).

Mortality category	Cairns DGP		Country Queensland		Queensland		Australia	
	No.	% of	No.	% of	No.	% of	No.	% of
		total		total		total		total
Avoidable	22,265	74.6	369,609	72.9	629,779	72.9	3,327,375	71.9
(Amenable)	(8,368)	(28.0)	(144,553)	(28.5)	(247,893)	(28.7)	(1,298,430)	(28.0)
Unavoidable	7,570	25.4	137,686	27.1	234,699	27.1	1,303,289	28.1
Total	29,835	100.0	507,294	100.0	864,478	100.0	4,630,664	100.0

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

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 1,747.5 deaths per 100,000 population in Cairns 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 410.4 in Cairns DGP.

		Succinsia		diana, 15	57 10 2001				
Mortality category and age (years)	Cairns DGP			Country Queensland		Queensland		Australia	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	
Avoidable									
0-14	48	35.7	500	30.1	1,208	32.2	5,669	28.8	
15-24	47	54.2	562	44.8	1,386	54.3	7,045	52.8	
25-44	184	86.4	1,916	77.8	4,527	84.9	24,356	83.9	
45-64	473	410.4	5,107	301.7	12,543	322.5	64,282	304.9	
65-74	449	1,747.5	6,571	1410.9	15,851	1404.6	88,493	1,358.1	
Total	1,201	263.9	14,656	211.2	35,515	220.6	189,845	211.8	
Amenable									
0-24	41	18.1	451	15.9	1,059	16.8	5,083	15.4	
25-44	45	21.6	491	20.1	1,165	21.8	5,946	20.5	
45-64	196	172.4	2,236	132.2	5,352	137.9	27,464	130.3	
65-74	182	712.1	2,762	591.5	6,748	599.1	37,756	579.4	
Total	464	105.6	5,940	86.4	14,323	89.3	76,249	85.1	

Table 11: Avoidable and amenable mortality by age, Cairns DGP, country Queensland,
Queensland and Australia, 1997 to 2001

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 Cairns DGP were for cancer, with a rate of 84.8 deaths per 100,000 population, and cardiovascular diseases, 83.3 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 64.3 per 100,000 population and 29.6 per 100,000, respectively.

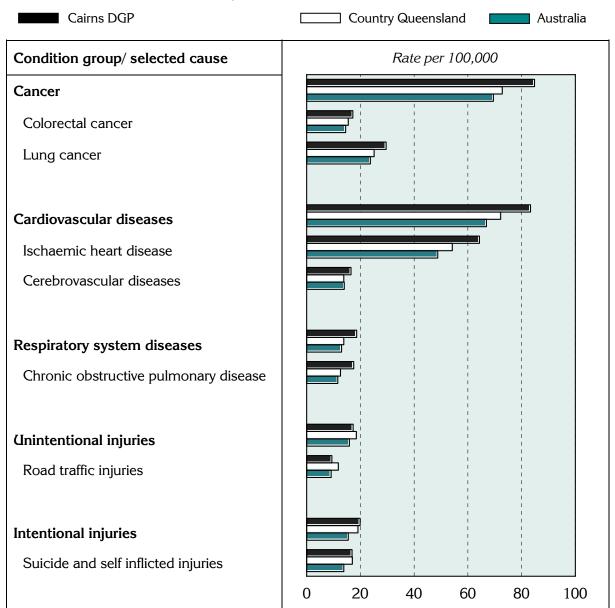
Condition group/ selected cause	Cairns	DGP	Cour Queen	5	Queensland		Australia	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Cancer	362	84.8	6,690	72.8	11,618	72.6	62,338	69.5
Colorectal cancer	72	17.2	1,425	15.5	2,392	15.0	13,008	14.5
Lung cancer	122	29.6	2,329	25.1	4,062	25.4	21,208	23.7
Cardiovascular diseases	344	83.3	6,646	72.2	11,294	71.0	59,945	66.9
lschaemic heart disease	267	64.3	5,005	54.2	8,434	52.9	43,712	48.8
Cerebrovascular diseases	67	16.5	1,263	13.8	2,210	14.0	12,558	14.0
Respiratory system diseases	73	18.6	1,262	13.8	2,168	13.7	11,612	13.0
Chronic obstructive pulmonary disease	66	17.5	1,159	12.6	1,970	12.5	10,395	11.6
Unintentional injuries	101	17.3	1,662	18.5	2,630	15.8	14,224	15.9
Road traffic injuries	55	9.4	1,054	11.8	1,565	9.4	8,138	9.1
Intentional injuries Suicide and self inflicted injuries	119 101	19.9 16.9	1,712 1,521	19.1 17.0	3,017 2,719	18.2 16.4	13,891 12,393	15.5 13.8

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

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

Rates in the Division for the condition groups and selected causes were generally above those for country Queensland and Australia: the exceptions were the unintentional injury categories, with higher rates in country Queensland (Figure 10).

Figure 10: Avoidable mortality (0 to 74 years) by major condition group and selected cause, Cairns DGP, country Queensland and Australia, 1997 to 2001



Notes on the data

Data sources and limitations

General

References to 'country Queensland' relate to Queensland excluding 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-demograph	nic 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/ G	GP catchment				
Tables 3 and 4	Medicare Australia, 2003/04				
Additional prevalence estim	ates: 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)				

Table 13: Data sources

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 Cairns DGP

For information on the postcodes in the Division, please refer the Department of Health and Ageing website <u>http://www.health.gov.au/internet/wcms/publishing.nsf/Content/health-pcd-programs-divisions-divspc.htm;</u> 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 this Division, Cairns Local Government Area (LGA) has been split into eight SLAs, six of which are wholly in the Division - Barron, Central Suburbs, City, Mt Whitfield, Northern Suburbs, and Western Suburbs - and two of which have a majority in the Division - Trinity and Part B. These SLAs, listed in Table 14 comprise the Division.

SLA code	SLA name	Per cent of the SLA's population in the	Estimate of the SLA's 2005 population in
20250		Division [*]	the Division
30250	Aurukun	18.0	210
32062	Cairns - Barron	100.0	19,851
32065	Cairns - Central Suburbs	100.0	21,767
32066	Cairns - City	100.0	8,364
32068	Cairns - Mt Whitfield	100.0	12,482
32072	Cairns - Northern Suburbs	99.7	15,272
32074	Cairns - Trinity	97.6	32,392
32076	Cairns - Western Suburbs	100.0	12,438
32078	Cairns - Part B	49.9	3,590
32250	Carpentaria	7.7	312
32501	Cook (excl. Weipa)	14.0	970
32600	Croydon	18.0	#
32800	Douglas	7.3	858
33100	Etheridge	18.0	182
34150	Johnstone	2.8	554
34850	Mareeba	2.0	370
35250	Mornington	18.0	188

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

* 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. In addition, in a small number of cases, part(s) of an SLA can be allocated to another Division, sometimes several hundred kilometres away. Although adjustments have not been made to the concordance to correct these errors, the affected SLAs are highlighted in the table (shown in bold italic typeface)

[#] Not shown as the total population is less than 100

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

For general comments, data issues or enquiries re information on the web site, please contact PHIDU:

Phone: 08-8303 6236 or e-mail: PHIDU@publichealth.gov.au