

Asthma in children

Table A2.1

Proportion of general practice encounters for asthma, by state and territory, children aged 0 to 18 years, Australia, April 2001 to March 2004

State/territory	Percent of general practice encounters	95% confidence interval
New South Wales	4.92	4.43 to 5.41
Victoria	5.90	5.19 to 6.61
Queensland	4.85	4.25 to 5.46
Western Australia	4.86	3.96 to 5.76
South Australia	6.21	4.84 to 7.57
Tasmania	5.58	3.45 to 7.71
Australian Capital Territory	5.07	2.69 to 7.44
Australia	5.18	4.88 to 5.49

Note: Asthma classified according to ICD-10-AM codes: R96001–R96005, R96007, R96008. BEACH data year is April to March. Northern Territory excluded as the numbers are too small to produce reliable estimates.

Source: BEACH Survey of General Practice.

Table A2.2

Emergency department visits for asthma per 100 children with asthma, by age group and sex, children aged 0 to 18 years, New South Wales and Victoria, 1999–2004

	Rate (95% confidence interval)					
	Boys		Girls		Children	
0 to 1 year	42.1	(40.8 to 43.4)	54.0	(51.8 to 56.2)	45.4	(44.3 to 46.5)
2 to 4 years	18.4	(18.0 to 18.9)	11.2	(10.8 to 11.5)	15.0	(14.7 to 15.5)
5 to 11 years	4.2	(4.1 to 4.3)	3.9	(3.7 to 4.0)	4.05	(3.96 to 4.14)
12 to 18 years	2.1	(2.0 to 2.2)	2.9	(2.8 to 3.0)	2.45	(2.38 to 2.53)
0 to 18 years	5.9	(5.8 to 6.0)	5.1	(5.0 to 5.2)	5.55	(5.48 to 5.62)

Note: Asthma classified according to ICD-10-AM codes J45 & J46.

Sources: AIHW National Hospital Morbidity Database; ABS National Health Survey 2001.

Table A2.3

Hospital separations for asthma per 100 children with asthma, by age group and sex, children aged 0 to 18 years, Australia, 2002–03

	Rate (95% confidence interval)					
	Boys		Girls		Children	
0 to 1 year	25.05	(24.26 to 25.85)	20.22	(19.27 to 21.19)	23.26	(22.65 to 23.88)
2 to 4 years	10.59	(10.32 to 10.87)	7.04	(6.79 to 7.29)	8.96	(8.78 to 9.16)
5 to 11 years	2.00	(1.94 to 2.07)	1.82	(1.74 to 1.90)	1.93	(1.88 to 1.98)
12 to 18 years	0.74	(0.70 to 0.79)	0.94	(0.89 to 0.99)	0.84	(0.81 to 0.88)
0 to 18 years	3.26	(3.20 to 3.31)	2.51	(2.45 to 2.56)	2.93	(2.89 to 2.97)

Note: Asthma classified according to ICD-10-AM codes J45 & J46.

Sources: AIHW National Hospital Morbidity Database; 2001 ABS National Health Survey.

Table A2.4
Hospital separations for asthma per 100,000 population, by age group, state and territory, children aged 0 to 18 years, Australia, 2002–03

State/territory	Age group (years)			
	0 to 1 (95% CI)	2 to 4 (95% CI)	5 to 11 (95% CI)	12 to 18 (95% CI)
New South Wales	962.4 (916.4 to 1,009.6)	1,137.2 (1,096.7 to 1,178.4)	332.9 (318.8 to 347.2)	129.0 (120.3 to 138.0)
Victoria	772.6 (723.8 to 823.1)	880.7 (838.5 to 923.9)	269.3 (254.5 to 284.5)	123.1 (113.1 to 133.4)
Queensland	655.8 (606.0 to 707.5)	886.8 (839.9 to 935.0)	259.7 (243.6 to 276.3)	115.2 (104.5 to 126.4)
Western Australia	959.1 (874.1 to 1,048.1)	1,096.2 (1,023.4 to 1,171.6)	364.2 (337.5 to 391.8)	139.0 (123.0 to 155.9)
South Australia	1,301.2 (1,184.9 to 1,422.9)	1,454.9 (1,356.2 to 1,556.9)	514.3 (477.3 to 552.8)	187.9 (166.1 to 211.0)
Tasmania	457.1 (344.4 to 585.6)	517.7 (419.3 to 626.2)	173.2 (137.5 to 212.9)	83.5 (59.7 to 111.3)
Australian Capital Territory	596.6 (439.9 to 776.8)	677.9 (541.5 to 829.5)	126.7 (90.1 to 169.4)	37.1 (19.2 to 60.9)
Northern Territory	581.4 (419.0 to 769.9)	872.0 (701.2 to 1,061.2)	263.7 (202.6 to 332.7)	85.4 (50.6 to 129.1)
Australia	850.20 (824.9 to 875.9)	1,018.20 (995.8 to 1,040.8)	311.90 (304.0 to 319.9)	127.10 (122.1 to 132.2)

Note: Age standardised to the Australian population as at 30 June 2001. Asthma classified according to ICD-10 codes J45 & J46.

Source: AIHW National Hospital Morbidity Database.

Prevalence

Table A2.5

Prevalence of ever having doctor-diagnosed asthma, by age group and sex, all ages, Australia, 2001

Age/sex	Estimated number of people with ever doctor-diagnosed asthma	Estimated total people	Per cent of people with ever doctor-diagnosed asthma	95% confidence interval
Males				
0 to 4	94,590	654,164	14.5	11.8 to 17.1
5 to 9	209,174	688,199	30.4	27.0 to 33.8
10 to 14	235,469	681,707	34.5	31.1 to 38.0
15 to 24	389,833	1,305,884	29.9	27.5 to 32.2
25 to 34	279,430	1,378,787	20.3	18.3 to 22.3
35 to 44	221,343	1,436,047	15.4	13.6 to 17.2
45 to 54	177,813	1,297,328	13.7	11.9 to 15.5
55 to 64	107,139	902,137	11.9	9.8 to 14.0
65 to 74	76,944	620,575	12.4	9.8 to 15.0
75 and over	44,448	400,078	11.1	8.0 to 14.2
All ages	1,836,182	9,364,906	19.6	19.0 to 20.2
Females				
0 to 4	69,559	621,414	11.2	8.7 to 13.6
5 to 9	141,310	654,568	21.6	18.5 to 24.7
10 to 14	183,139	647,319	28.3	24.9 to 31.7
15 to 24	386,811	1,262,610	30.6	28.2 to 33.0
25 to 34	367,104	1,425,135	25.8	23.6 to 27.9
35 to 44	281,516	1,484,568	19.0	17.1 to 20.8
45 to 54	248,482	1,318,232	18.8	16.8 to 20.9
55 to 64	156,918	897,883	17.5	15.1 to 19.9
65 to 74	112,369	663,512	16.9	14.1 to 19.7
75 and over	78,855	576,117	13.7	10.9 to 16.5
All ages	2,026,062	9,551,358	21.2	20.6 to 21.8

Note: Ever asthma based on a positive response to 'Have you ever been told by a doctor that you have asthma?'

Source: ABS National Health Survey 2001.

Table A2.6

Current prevalence of probable asthma, by age group and sex, all ages, Australia, 2001

Age/sex	Estimated number of people with ever doctor-diagnosed asthma	Estimated total people	Per cent of people with ever doctor-diagnosed asthma	95% confidence interval
Males				
0 to 4	56,761	654,164	8.7	6.5 to 10.8
5 to 9	136,131	688,199	19.8	16.9 to 22.7
10 to 14	113,312	681,707	16.6	13.9 to 19.4
15 to 24	203,544	1,305,884	15.6	13.7 to 17.5
25 to 34	139,587	1,378,787	10.1	8.6 to 11.7
35 to 44	110,997	1,436,047	7.7	6.4 to 9.1
45 to 54	93,988	1,297,328	7.3	5.9 to 8.6
55 to 64	62,001	902,137	6.9	5.2 to 8.5
65 to 74	54,843	620,575	8.8	6.6 to 11.1
75 and over	23,513	400,078	5.9	3.6 to 8.2
All ages	994,676	9,364,906	10.6	10.1 to 11.1
Females				
0 to 4	47,947	621,414	7.72	5.6 to 9.8
5 to 9	76,291	654,568	11.66	9.2 to 14.1
10 to 14	97,037	647,319	14.99	12.3 to 17.7
15 to 24	214,171	1,262,610	16.96	15.0 to 19.0
25 to 34	216,387	1,425,135	15.18	13.4 to 17.0
35 to 44	156,953	1,484,568	10.57	9.1 to 12.1
45 to 54	164,396	1,318,232	12.47	10.8 to 14.2
55 to 64	109,509	897,883	12.20	10.1 to 14.3
65 to 74	72,098	663,512	10.87	8.5 to 13.2
75 and over	47,816	576,117	8.30	6.0 to 10.6
All ages	1,202,604	9,551,358	12.59	12.1 to 13.1

Note: Current asthma based on a positive response to 'Have you ever been told by a doctor that you have asthma?' and 'Do you still get asthma?'

Source: ABS National Health Survey 2001.

Hospitalisations

Table A2.7

Hospital separations for asthma, by age group and sex, Australia, 1993–2004

Year/age group	Males				Females			
	Hospital separations	Population	Hospital separations per 100,000	95% confidence interval	Hospital separations	Population	Hospital separations per 100,000	95% confidence interval
0 to 4 years								
1993–94	12,927	662,989	1,950	1,917 to 1,984	6,712	629,533	1,066	1,041 to 1,092
1994–95	12,857	665,924	1,931	1,898 to 1,964	6,509	632,113	1,030	1,005 to 1,055
1995–96	12,608	666,703	1,891	1,859 to 1,924	6,398	632,821	1,011	987 to 1,036
1996–97	12,683	665,611	1,905	1,872 to 1,939	6,594	631,438	1,044	1,019 to 1,070
1997–98	10,207	665,414	1,534	1,505 to 1,564	5,174	630,850	820	798 to 843
1998–99	11,237	662,117	1,697	1,666 to 1,729	5,979	627,424	953	929 to 977
1999–00	8,734	658,830	1,326	1,298 to 1,354	4,733	625,323	757	736 to 779
2000–01	9,679	655,870	1,476	1,447 to 1,505	5,203	623,100	835	813 to 858
2001–02	8,416	657,499	1,280	1,253 to 1,380	4,504	624,858	721	700 to 742
2002–03	7,935	651,556	1,218	1,191 to 1,245	4,206	619,365	679	659 to 700
2003–04	8,335	648,266	1,286	1,259 to 1,314	4,266	616,395	692	672 to 713
5 to 14 years								
1993–94	9,376	1,305,410	718	704 to 733	6,172	1,239,594	498	486 to 510
1994–95	7,755	1,313,601	590	577 to 604	5,371	1,248,399	430	419 to 442
1995–96	8,056	1,326,681	607	594 to 621	5,373	1,261,913	426	415 to 437
1996–97	7,163	1,339,478	535	523 to 547	4,766	1,274,788	374	363 to 385
1997–98	7,103	1,347,206	527	515 to 540	4,595	1,283,025	358	348 to 369
1998–99	7,224	1,355,317	533	521 to 545	4,811	1,291,019	373	362 to 383
1999–00	5,662	1,366,184	414	404 to 425	3,853	1,300,535	296	287 to 306
2000–01	6,620	1,377,301	481	469 to 492	4,317	1,309,796	330	320 to 340
2001–02	4,984	1,386,873	359	350 to 370	3,032	1,317,968	230	222 to 238
2002–03	4,322	1,391,412	311	301 to 320	2,702	1,321,845	204	197 to 212
2003–04	4,419	1,392,666	317	308 to 327	2,952	1,322,083	223	215 to 232
15 to 34 years								
1993–94	3,469	2,810,134	123	119 to 128	6,961	2,753,439	253	247 to 259
1994–95	2,907	2,802,353	104	100 to 108	6,192	2,745,400	226	220 to 231
1995–96	3,013	2,797,935	108	104 to 112	6,245	2,741,195	228	222 to 234
1996–97	2,917	2,795,430	104	101 to 108	6,071	2,743,091	221	216 to 227
1997–98	3,234	2,779,977	116	112 to 120	6,267	2,734,830	229	224 to 235
1998–99	3,439	2,764,738	124	120 to 129	6,206	2,723,554	228	222 to 234
1999–00	3,314	2,758,243	120	116 to 124	5,798	2,721,471	213	208 to 219
2000–01	3,338	2,763,711	121	117 to 125	5,762	2,730,615	211	206 to 217
2001–02	2,628	2,779,273	95	91 to 98	4,475	2,749,580	163	158 to 168
2002–03	2,133	2,805,935	76	73 to 79	4,093	2,760,675	148	144 to 153
2003–04	2,170	2,839,356	76	73 to 80	4,176	2,793,267	150	145 to 154

(continued)

Table A2.7 (continued)
Hospital separations for asthma, by age group and sex, Australia, 1993–2004

Year/age group	Males				Females			
	Hospital separations	Population	Hospital separations per 100,000	95% confidence interval	Hospital separations	Population	Hospital separations per 100,000	95% confidence interval
35 to 64 years								
1993–94	2,243	3,132,090	72	69 to 75	4,796	3,077,546	156	151 to 160
1994–95	2,207	3,194,835	69	66 to 72	4,703	3,146,513	149	145 to 154
1995–96	2,224	3,268,186	68	65 to 71	4,926	3,224,911	153	149 to 157
1996–97	2,345	3,348,237	70	67 to 73	5,242	3,309,585	158	154 to 163
1997–98	2,581	3,428,459	75	72 to 78	5,694	3,399,118	168	163 to 172
1998–99	2,900	3,508,991	82	80 to 86	7,112	3,486,881	204	199 to 209
1999–00	2,953	3,587,294	82	79 to 85	7,049	3,572,501	197	193 to 202
2000–01	2,820	3,660,750	77	74 to 80	6,745	3,652,919	185	180 to 189
2001–02	2,563	3,730,335	69	66 to 71	6,205	3,731,320	166	162 to 170
2002–03	2,249	3,798,334	59	57 to 62	5,610	3,800,910	148	144 to 152
2003–04	2,260	3,857,069	59	56 to 61	5,610	3,866,726	145	141 to 149
65 years and over								
1993–94	1,658	887,292	187	178 to 196	2,708	1,169,066	232	223 to 241
1994–95	1,640	911,353	180	171 to 189	2,737	1,194,247	229	221 to 238
1995–96	1,719	934,099	184	175 to 193	2,938	1,217,314	241	233 to 250
1996–97	1,948	959,299	203	194 to 212	3,291	1,243,757	265	256 to 274
1997–98	2,145	982,115	218	209 to 228	3,668	1,266,570	290	280 to 299
1998–99	1,454	1,003,511	145	138 to 153	3,510	1,287,719	273	264 to 282
1999–00	1,353	1,025,977	132	125 to 139	3,557	1,309,477	272	263 to 281
2000–01	1,177	1,047,699	112	106 to 119	3,149	1,331,619	236	228 to 245
2001–02	1,171	1,076,672	109	103 to 115	3,040	1,358,862	224	216 to 232
2002–03	1,047	1,105,896	95	89 to 101	2,933	1,385,051	212	204 to 220
2003–04	937	1,134,285	83	77 to 88	2,864	1,411,356	203	196 to 211

Note: All hospital separations prior to 1998–99 data have been converted to ICD-10 using the following conversion factors: less than 35 years = 1; 35 to 64 years = 0.64; 65 years and above = 0.53. Asthma is classified according to ICD-9 code 493, and ICD-10 codes J45 and J46.

Patient days

Table A2.8

Hospital patient days for asthma per 100,000 population, by age group, Australia, 1993–2004

	Age group (years)					All ages (95% CI)
	0 to 4	5 to 14	15 to 34	35 to 64	65 and over	
Sex (data for 2002–03)						
Males	1,626.6	468.7	136.9	157.7	397.0	321.3 (317.8 to 324.9)
Females	928.7	347.8	288.6	498.6	1,157.9	539.1 (534.5 to 543.7)
Year						
1993–94	2,968.9	1,332.4	474.8	522.3	1,610.9	919.8 (915.3 to 924.4)
1994–95	2,838.1	1,086.9	416.1	503.1	1,505.7	839.7 (835.4 to 844.0)
1995–96	2,688.3	1,064.1	413.0	508.8	1,582.8	837.6 (833.3 to 841.9)
1996–97	2,575.1	929.5	395.6	504.9	1,763.2	827.5 (823.3 to 831.7)
1997–98	2,035.5	897.4	397.6	536.8	1,809.9	806.1 (802.0 to 810.3)
1998–99	2,145.2	867.9	398.7	531.1	1,313.0	745.1 (741.2 to 749.0)
1999–2000	1,641.7	650.6	344.6	499.1	1,230.2	643.4 (639.8 to 647.0)
2000–01	1,687.0	717.1	333.2	437.5	1,031.1	603.8 (600.3 to 607.3)
2001–02	1,423.9	492.1	252.5	389.6	890.8	496.0 (492.9 to 499.2)
2002–03	1,286.5	410.5	212.3	326.7	820.0	431.1 (428.2 to 434.0)
2003–04	1,327.2	419.5	211.0	316.7	728.4	419.3 (416.5 to 422.2)
Remoteness (data for 2002–03)						
Major cities	1,308.3	393.9	185.6	275.0	695.6	380.7 (377.3 to 384.0)
Inner regional	1,123.4	388.5	229.7	348.4	903.1	453.8 (447.3 to 460.4)
Outer regional	1,243.8	469.7	273.7	454.5	1,051.3	542.3 (532.3 to 552.6)
Remote	1,589.2	598.7	323.2	640.7	1,875.9	733.6 (704.6 to 763.9)
Very remote	1,320.3	418.8	313.2	1,026.5	2,648.2	811.0 (768.7 to 855.5)
Culturally and linguistically diverse background (data for 2002–03)						
English-speaking background	1,281.8	416.6	227.0	353.9	822.5	452.5 (449.3 to 455.7)
Non-English-speaking background	1,653.5	270.7	109.4	211.3	817.4	300.7 (294.3 to 307.2)
Socioeconomic status (data for 2002–03)						
SEIFA 1 (most disadvantaged)	1,558.5	499.4	254.4	419.0	929.8	527.8 (520.3 to 535.4)
SEIFA 2	1,401.2	496.5	236.9	359.5	738.9	468.6 (461.7 to 475.6)
SEIFA 3	1,218.0	404.6	213.8	356.2	861.3	446.0 (439.5 to 452.7)
SEIFA 4	1,129.9	324.7	190.6	287.9	820.0	380.1 (374.3 to 386.0)
SEIFA 5 (most advantaged)	1,023.3	301.9	145.2	211.2	684.7	308.9 (303.6 to 314.3)
State/territory (data for 2002–03)						
New South Wales	1,389.5	409.9	198.3	290.3	771.4	413.7 (408.9 to 418.6)
Victoria	1,011.9	327.3	208.4	304.2	818.9	391.5 (385.9 to 397.0)
Queensland	1,030.6	329.4	211.8	374.6	913.2	432.8 (426.1 to 439.6)
Western Australia	1,648.3	554.1	251.0	365.7	830.8	502.4 (492.3 to 512.5)
South Australia	2,194.8	808.5	264.4	422.1	902.8	608.4 (596.0 to 620.9)
Tasmania	670.1	264.7	188.3	194.2	404.7	260.2 (245.9 to 274.8)
Australian Capital Territory	979.5	184.6	115.9	247.1	831.5	322.8 (302.2 to 344.0)
Northern Territory	1,337.2	400.7	251.7	562.3	1,748.5	651.3 (602.9 to 701.2)

Table A2.9

Hospital patient days for asthma per 100,000 population, by age group and Indigenous status, Australia, 2002–03

Indigenous status	0 to 4 years	5 to 14 years	15 to 34 years	35 to 54 years	55 years and over	All ages
Aboriginal and Torres Strait Islander	2214.8	555.2	302.5	1,326.4	3,168.2	1,003.3
Other	1,242.2	403.7	209.5	268.4	645.5	418.0

General practice

Table A2.10

General practice encounters for asthma, by age group, Australia, April 1998 to March 2004

Year/age group	GP encounters for asthma per 100 GP encounters	95% confidence interval	Total annual GP attendances	Population	GP encounters for asthma per 100 population	95% confidence interval
0 to 4 years						
1998–99	5.5	4.6 to 6.5	8,872,329	1,289,541	38.0	31.7 to 44.3
1999–2000	5.3	4.5 to 6.1	8,467,529	1,284,153	34.9	29.8 to 40.0
2000–01	4.6	4.0 to 5.3	8,146,090	1,278,970	29.3	25.2 to 33.5
2001–02	4.3	3.7 to 4.9	7,779,664	1,282,357	26.1	22.3 to 29.8
2002–03	4.1	3.5 to 4.8	7,628,359	1,270,421	24.7	20.9 to 28.5
2003–04	4.3	3.6 to 5.0	7,251,901	1,264,617	24.7	20.8 to 28.5
5 to 34 years						
1998–99	4.1	3.8 to 4.4	33,322,197	8,134,628	16.8	15.6 to 18.1
1999–2000	3.9	3.6 to 4.3	31,963,780	8,146,433	15.5	14.1 to 16.8
2000–01	3.8	3.5 to 4.1	30,910,917	8,181,423	14.4	13.2 to 15.6
2001–02	3.8	3.4 to 4.1	29,795,442	8,233,694	13.6	12.4 to 14.8
2002–03	3.4	3.1 to 3.7	28,935,717	8,312,219	11.8	10.8 to 12.8
2003–04	3.6	3.3 to 4.0	27,494,569	8,326,866	11.9	10.8 to 13.1
35 to 64 years						
1998–99	2.6	2.4 to 2.8	38,021,641	6,995,872	14.2	12.9 to 15.4
1999–2000	2.7	2.5 to 2.9	38,453,076	7,159,795	14.4	13.2 to 15.5
2000–01	2.2	2.0 to 2.4	38,694,630	7,313,669	11.8	10.7 to 12.9
2001–02	2.3	2.1 to 2.6	38,481,049	7,461,655	12.1	11.0 to 13.2
2002–03	2.4	2.2 to 2.6	38,196,778	7,590,140	12.2	11.0 to 13.3
2003–04	2.0	1.8 to 2.2	37,488,856	7,734,740	9.6	8.8 to 10.5
65 years and over						
1998–99	2.2	1.9 to 2.4	21,764,528	2,291,230	20.6	18.4 to 22.9
1999–2000	2.5	2.3 to 2.8	21,875,472	2,335,474	23.6	21.2 to 26.0
2000–01	2.0	1.8 to 2.2	22,035,428	2,379,318	18.7	16.7 to 20.8
2001–02	2.2	1.9 to 2.4	22,161,005	2,435,534	19.6	17.4 to 21.8
2002–03	2.1	1.8 to 2.3	22,541,186	2,490,001	18.7	16.4 to 20.9
2003–04	1.9	1.7 to 2.2	22,669,052	2,546,423	17.2	15.3 to 19.2

Note: Data is presented in 'BEACH years', which extend from April to March.

Mortality

Table A2.11

Deaths due to asthma, by sex, people aged 5 to 34 years, Australia, 1979–2003

Year	Males				Females			
	Deaths due to asthma	Population	Age standardised rate per 100,000	95% confidence interval	Deaths due to asthma	Population	Age standardised rate per 100,000	95% confidence interval
1979	39	3,801,424	1.04	0.74 to 1.39	26	3,666,212	0.71	0.46 to 1.01
1980	40	3,838,662	1.05	0.75 to 1.39	31	3,707,242	0.84	0.57 to 1.16
1981	37	3,886,621	0.97	0.68 to 1.30	47	3,755,136	1.25	0.92 to 1.63
1982	39	3,913,365	0.98	0.76 to 1.40	40	3,780,951	1.09	0.77 to 1.45
1983	41	3,925,054	1.06	0.76 to 1.41	32	3,794,433	0.85	0.58 to 1.17
1984	58	3,929,234	1.45	1.10 to 1.85	41	3,799,641	1.08	0.77 to 1.43
1985	50	3,941,760	1.27	0.94 to 1.64	56	3,810,544	1.44	1.09 to 1.84
1986	62	3,963,505	1.52	1.16 to 1.92	55	3,829,133	1.41	1.06 to 1.81
1987	55	3,993,308	1.38	1.04 to 1.76	55	3,862,446	1.40	1.05 to 1.79
1988	52	4,031,302	1.27	0.95 to 1.64	40	3,900,786	1.01	0.72 to 1.35
1989	54	4,071,700	1.30	0.98 to 1.68	46	3,941,204	1.14	0.83 to 1.49
1990	44	4,102,245	1.07	0.77 to 1.40	47	3,971,569	1.16	0.85 to 1.51
1991	35	4,113,138	0.85	0.59 to 1.15	41	3,986,925	1.01	0.73 to 1.35
1992	27	4,121,361	0.66	0.43 to 0.93	17	3,997,413	0.43	0.25 to 0.66
1993	38	4,115,544	0.91	0.64 to 1.22	33	3,993,033	0.83	0.57 to 1.13
1994	26	4,115,954	0.64	0.41 to 0.90	37	3,993,799	0.93	0.65 to 1.25
1995	26	4,124,616	0.63	0.41 to 0.90	24	4,003,108	0.60	0.39 to 0.87
1996	24	4,134,908	0.58	0.37 to 0.83	19	4,017,879	0.47	0.28 to 0.70
1997	27	4,127,183	0.65	0.43 to 0.92	22	4,017,855	0.55	0.34 to 0.78
1998	26	4,120,055	0.63	0.41 to 0.90	32	4,014,573	0.79	0.54 to 1.08
1999	27	4,124,427	0.66	0.43 to 0.93	25	4,022,006	0.62	0.40 to 0.89
2000	23	4,141,012	0.56	0.35 to 0.81	25	4,040,411	0.61	0.40 to 0.88
2001	30	4,166,146	0.73	0.49 to 1.01	13	4,067,548	0.32	0.17 to 0.51
2002	16	4,197,347	0.38	0.22 to 0.59	17	4,082,520	0.41	0.24 to 0.62
2003	19	4,232,022	0.45	0.27 to 0.67	12	4,115,350	0.28	0.15 to 0.46

Table A2.12
Deaths due to asthma, by sex, all ages, Australia, 1979–2003

Year	Males				Females			
	Deaths due to asthma	Population	Age standardised rate per 100,000	95% confidence interval	Deaths due to asthma	Population	Age standardised rate per 100,000	95% confidence interval
1979	177	7,253,762	3.21	2.70 to 3.75	164	7,261,967	2.60	2.21 to 3.01
1980	201	7,338,060	3.75	3.19 to 4.35	225	7,357,296	3.49	3.04 to 3.97
1981	213	7,448,267	3.75	3.22 to 4.31	213	7,474,993	3.07	2.67 to 3.51
1982	224	7,580,914	3.94	3.39 to 4.52	234	7,603,333	3.46	3.02 to 3.92
1983	236	7,686,346	3.96	3.43 to 4.52	249	7,707,126	3.52	3.09 to 3.97
1984	264	7,778,212	4.15	3.63 to 4.67	257	7,801,179	3.61	3.18 to 4.07
1985	295	7,882,728	5.05	4.43 to 5.70	337	7,905,584	4.55	4.07 to 5.05
1986	315	8,000,187	4.88	4.31 to 5.47	301	8,018,163	3.97	3.53 to 4.43
1987	296	8,118,255	4.53	3.99 to 5.09	363	8,145,619	4.72	4.24 to 5.22
1988	297	8,248,945	4.51	3.98 to 5.08	341	8,283,219	4.40	3.94 to 4.88
1989	334	8,387,589	5.01	4.45 to 5.56	402	8,426,827	5.01	4.52 to 5.51
1990	294	8,511,269	4.36	3.85 to 4.91	335	8,553,859	4.10	3.67 to 4.56
1991	255	8,615,409	3.73	3.26 to 4.23	314	8,668,627	3.72	3.31 to 4.14
1992	253	8,716,147	3.65	3.19 to 4.13	310	8,778,517	3.63	3.23 to 4.05
1993	250	8,797,915	3.54	3.09 to 4.01	336	8,869,178	3.83	3.43 to 4.25
1994	245	8,888,066	3.67	3.20 to 4.16	365	8,966,672	4.04	3.64 to 4.47
1995	212	8,993,604	2.86	2.47 to 3.27	341	9,078,154	3.68	3.30 to 4.08
1996	223	9,108,055	3.05	2.65 to 3.48	314	9,202,659	3.32	2.96 to 3.70
1997	207	9,203,171	2.71	2.34 to 3.10	292	9,314,393	2.97	2.64 to 3.32
1998	187	9,294,674	2.34	2.01 to 2.70	294	9,416,597	2.95	2.62 to 3.29
1999	160	9,396,548	2.02	1.7 to 2.36	264	9,529,307	2.58	2.28 to 2.91
2000	169	9,505,331	2.00	1.71 to 2.32	285	9,648,049	2.71	2.40 to 3.04
2001	175	9,630,652	2.00	1.71 to 2.31	247	9,782,588	2.27	1.99 to 2.56
2002	158	9,753,133	1.89	1.60 to 2.21	239	9,887,846	2.14	1.87 to 2.42
2003	108	9,871,642	1.21	0.99 to 1.46	206	10,009,827	1.75	1.52 to 2.00

Expenditure

Table A2.13

Asthma expenditure per capita and asthma expenditure as a proportion of total health expenditure, by age group and sex, Australia, 2000–01

Age group (years)	Males		Females	
	Per capita asthma expenditure	Proportion of total health expenditure	Per capita asthma expenditure	Proportion of total health expenditure
0 to 4	\$76.24	4.08%	\$65.91	4.22%
5 to 14	\$60.42	5.51%	\$40.44	3.24%
15 to 24	\$26.98	2.12%	\$33.15	1.90%
25 to 34	\$15.02	1.22%	\$26.92	1.26%
35 to 44	\$17.73	1.26%	\$27.28	1.40%
45 to 54	\$18.61	0.97%	\$33.49	1.42%
55 to 64	\$26.27	0.82%	\$51.54	1.55%
65 to 74	\$41.86	0.74%	\$54.45	1.01%
75 to 84	\$46.55	0.53%	\$53.94	0.61%
85 and over	\$58.05	0.35%	\$57.02	0.34%
Total	\$32.73	1.45%	\$39.12	1.37%

Table A2.14

Expenditure per capita for hospital care, out-of-hospital medical care and pharmaceuticals for asthma, by age group and sex, Australia, 2000–01

Age group (years)	Hospital			Out-of-hospital medical			Pharmaceutical		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
0 to 4	\$26.46	\$23.66	\$50.11	\$7.77	\$5.62	\$13.39	\$19.90	\$14.92	\$34.81
5 to 14	\$23.29	\$10.30	\$33.59	\$10.15	\$7.90	\$18.05	\$40.34	\$28.05	\$68.39
15 to 24	\$6.09	\$9.66	\$15.76	\$5.95	\$6.83	\$12.78	\$21.25	\$22.83	\$44.08
25 to 34	\$1.85	\$6.25	\$8.10	\$3.91	\$5.70	\$9.61	\$14.71	\$22.96	\$37.67
35 to 44	\$3.49	\$6.92	\$10.41	\$4.00	\$6.95	\$10.95	\$15.59	\$21.25	\$36.83
45 to 54	\$1.78	\$7.68	\$9.47	\$5.20	\$8.15	\$13.34	\$16.49	\$24.93	\$41.42
55 to 64	\$2.31	\$15.23	\$17.54	\$4.79	\$7.77	\$12.55	\$16.68	\$22.43	\$39.10
65 to 74	\$2.72	\$7.81	\$10.53	\$4.08	\$7.80	\$11.88	\$18.05	\$22.11	\$40.15
75 to 84	\$4.38	\$10.17	\$14.55	\$1.73	\$3.47	\$5.20	\$10.19	\$13.27	\$23.45
85 and over	\$7.79	\$9.88	\$17.67	\$0.60	\$1.38	\$1.98	\$1.59	\$2.38	\$3.98
Total	\$7.73	\$9.87	\$8.81	\$5.04	\$6.34	\$5.69	\$18.28	\$20.09	\$19.19