

# Appendix



**Table A1: Incidence rates for CHD by sex and age, 1993–94 to 1999–00**

Year	Men						Women					
	40–64	65–69	70–74	75–84	85–90	40–90 <sup>(a)</sup>	40–64	65–69	70–74	75–84	85–90	40–90 <sup>(a)</sup>
<b>CHD events per 100,000 population</b>												
1993–94	424.4	1,395.6	1,973.6	3,309.7	5,228.5	1,008.5	115.0	550.6	962.1	2,094.9	3,969.2	480.0
1994–95	410.8	1,355.2	1,892.3	3,202.1	5,423.9	982.1	108.4	543.0	937.4	2,047.2	4,043.1	468.9
1995–96	413.4	1,272.2	1,868.9	3,123.8	5,268.6	963.8	106.5	525.7	870.2	1,902.7	3,782.2	442.9
1996–97	398.6	1,236.5	1,739.1	2,946.0	5,243.0	923.4	101.0	499.2	808.1	1,824.7	3,961.2	427.7
1997–98	381.8	1,181.0	1,651.2	2,780.8	4,993.5	878.3	94.9	458.3	800.5	1,713.7	3,799.3	406.2
1998–99	365.1	1,099.5	1,583.9	2,681.0	4,976.4	843.2	90.9	443.2	751.8	1,639.2	3,757.1	391.2
1999–00	357.5	1,042.1	1,524.9	2,599.8	4,962.9	817.7	89.1	422.7	737.0	1,571.2	3,824.8	381.2

(a) Age-standardised to the 1991 Australian population aged 40–90 years.

*Notes*

1. CHD incidence is calculated as the sum of non-fatal AMI hospital admissions and CHD deaths.
2. Data are for financial years, reflecting how hospital admission data is collected in the National Hospital Morbidity Database. To align the mortality data, which is based on calendar years, with the hospital data, coronary deaths are averaged over consecutive years to obtain financial year data.

*Sources:* AIHW National Hospital Morbidity Database, AIHW National Mortality Database.

**Table A2: Mortality rates for CHD by sex and age, 1980–2000**

Year	Men						Women					
	40–64	65–69	70–74	75–84	85–90	40–90 <sup>(a)</sup>	40–64	65–69	70–74	75–84	85–90	40–90 <sup>(a)</sup>
<b>Deaths per 100,000 population</b>												
1980	318.4	1,266.1	1,835.8	3,095.8	5,170.2	874.6	93.3	485.3	840.1	1,844.0	3,770.0	414.9
1981	310.0	1,256.9	1,884.3	3,055.3	5,204.9	866.4	93.2	495.3	834.7	1,790.1	3,793.4	410.3
1982	296.5	1,217.5	1,825.5	3,118.1	5,366.3	857.7	90.7	465.1	838.9	1,858.2	3,985.8	415.9
1983	282.4	1,130.9	1,682.2	2,956.7	5,076.7	806.2	85.6	442.1	826.3	1,775.6	3,640.9	395.3
1984	263.3	1,017.0	1,680.3	2,792.8	5,045.4	765.8	78.0	448.7	770.3	1,723.1	3,628.8	381.4
1985	253.1	1,048.2	1,663.1	2,932.9	5,361.3	781.0	74.3	395.8	815.6	1,801.8	3,797.2	388.4
1986	239.5	960.1	1,506.7	2,782.7	4,967.1	731.0	72.9	412.8	753.0	1,721.1	3,544.7	372.9
1987	217.8	927.8	1,514.8	2,688.7	4,982.0	707.1	63.2	385.0	741.6	1,715.1	3,602.5	364.4
1988	202.4	916.1	1,454.7	2,567.8	4,605.8	674.1	57.0	355.8	720.0	1,638.4	3,511.3	347.1
1989	187.7	849.2	1,452.6	2,648.5	5,068.2	675.3	53.5	332.3	703.7	1,666.6	3,764.0	349.3
1990	171.3	810.5	1,285.4	2,464.6	4,762.6	624.9	48.1	329.2	670.3	1,543.8	3,627.6	329.0
1991	154.9	726.3	1,224.9	2,420.0	4,324.9	589.3	42.1	289.6	600.4	1,474.0	3,442.5	305.7
1992	148.5	707.1	1,195.2	2,377.1	4,595.4	581.4	44.0	271.0	566.2	1,528.3	3,637.3	310.7
1993	133.3	667.8	1,126.6	2,199.9	4,371.2	540.4	38.3	248.4	532.7	1,348.8	3,367.7	280.1
1994	120.7	657.5	1,047.1	2,247.4	4,585.0	531.5	34.1	241.1	476.8	1,412.8	3,495.7	279.0
1995	117.9	578.5	1,026.0	2,077.4	4,576.7	503.9	31.5	215.6	458.5	1,274.0	3,284.9	256.6
1996	111.3	552.8	959.9	2,030.3	4,428.8	485.4	29.1	197.3	421.9	1,221.4	3,252.9	245.0
1997	105.3	525.1	884.1	1,863.6	4,196.0	452.7	28.0	188.8	409.7	1,143.8	3,194.7	234.6
1998	95.6	484.3	819.5	1,784.9	3,921.0	424.5	25.4	172.6	360.4	1,057.8	2,932.0	215.4
1999	92.5	433.1	783.6	1,630.5	3,848.8	398.8	22.8	148.8	334.1	984.5	2,903.6	202.5
2000	83.8	383.7	695.2	1,501.2	3,624.3	363.0	21.9	141.3	330.3	883.0	2,791.0	188.6

(a) Age-standardised to the 1991 Australian population aged 40–90 years.

Source: AIHW National Mortality Database.

**Table A3: Trends in non-fatal AMIs and deaths from CHD by sex and age, 1993–94 and 1999–00**

Year by age group	Non-fatal AMIs		CHD deaths in hospital		CHD deaths out of hospital		All CHD deaths	
	Men	Women	Men	Women	Men	Women	Men	Women
Rate per 100,000 population								
<b>1993–94</b>								
40–64	298.7	79.2	19.4	7.9	106.3	27.9	125.7	35.8
65–74	809.0	380.4	140.7	87.9	698.5	274.2	839.2	362.1
75–84	1,107.8	727.4	402.1	266.3	1,799.8	1,101.1	2,201.9	1,367.4
85–90	792.1	570.2	410.2	307.1	4,026.3	3,092.0	4,436.5	3,399.1
40–90 <sup>(a)</sup>	475.7	203.3	84.4	52.0	443.5	228.9	527.9	280.9
<b>1999–00</b>								
40–64	269.5	66.8	13.6	5.3	74.5	17.0	88.1	22.3
65–74	705.0	339.8	92.0	58.3	471.3	178.2	563.3	236.4
75–84	1,035.2	638.2	277.3	184.4	1,287.3	748.6	1,564.6	933.1
85–90	1,229.1	978.6	598.9	417.6	3,134.9	2,428.6	3,733.7	2,846.2
40–90 <sup>(a)</sup>	437.4	186.3	63.1	39.2	315.7	158.7	378.9	197.9

(a) Age-standardised to the 1991 Australian population aged 40–90 years.

Note: Data are for financial years, reflecting how hospital admission data is collected in the National Hospital Morbidity Database. To align the mortality data, which is based on calendar years, with the hospital data, coronary deaths are averaged over consecutive years to obtain financial year data.

Sources: AIHW National Hospital Morbidity Database; AIHW National Mortality Database.

**Table A4: AMI hospital admissions by sex and age, 1993–94 to 1999–00**

Year	Men						Women					
	40–64	65–69	70–74	75–84	85–90	40–90 <sup>(a)</sup>	40–64	65–69	70–74	75–84	85–90	40–90 <sup>(a)</sup>
	<b>Number</b>											
1993–94	7,871	2,746	2,722	3,725	481	17,545	2,093	1,280	1,747	3,762	786	9,668
1994–95	7,766	2,735	2,700	3,611	556	17,368	2,041	1,284	1,796	3,761	971	9,853
1995–96	8,260	2,634	2,770	3,806	580	18,050	2,112	1,293	1,675	3,547	861	9,488
1996–97	8,244	2,603	2,678	3,768	753	18,046	2,064	1,237	1,510	3,564	1,238	9,613
1997–98	8,225	2,542	2,608	3,739	784	17,898	2,011	1,091	1,602	3,518	1,321	9,543
1998–99	8,174	2,391	2,621	3,755	883	17,824	2,039	1,102	1,556	3,577	1,419	9,693
1999–00	8,047	2,258	2,559	4,113	1,009	17,986	2,021	1,056	1,559	3,698	1,682	10,016
	<b>Admissions per 100,000 population</b>											
1993–94	318.3	829.2	1,058.3	1,437.3	1,133.9	551.0	86.5	360.7	562.8	960.6	844.0	248.1
1994–95	307.2	819.3	1,011.5	1,352.6	1,241.3	533.1	82.3	362.4	561.0	939.3	994.3	245.9
1995–96	319.0	783.2	1,014.4	1,365.2	1,221.1	538.4	82.9	364.8	515.4	858.6	836.6	232.7
1996–97	310.5	772.4	961.2	1,290.8	1,495.5	525.6	78.9	350.2	460.8	833.6	1,140.8	227.4
1997–98	301.9	757.9	919.7	1,228.0	1,464.3	507.9	74.8	311.5	486.8	797.2	1,157.5	219.7
1998–99	295.5	725.7	922.0	1,194.1	1,542.5	493.1	74.7	321.2	474.9	792.0	1,184.0	218.2
1999–00	280.8	680.4	875.6	1,247.9	1,669.2	485.4	71.4	305.1	472.1	792.2	1,332.8	217.9

(a) Age-standardised to the 1991 Australian population aged 40–90 years.

*Notes*

1. AMI hospital admissions refers to those admissions with a principal diagnosis of AMI and length of stay greater than 2 days and includes those that died within 2 days.
2. Data are for financial years, reflecting how the information is collected in the National Hospital Morbidity Database.

Source: AIHW National Hospital Morbidity Database.

**Table A5: Cardiac catheterisation, PCI and CABG use among 40–90 year-olds, 1993–94 to 1999–00**

Year	Cardiac catheterisation				PCI				CABG			
	Men		Women		Men		Women		Men		Women	
	Number <sup>(a)</sup>	Rate <sup>(b)</sup>	Number <sup>(a)</sup>	Rate <sup>(b)</sup>	Number <sup>(a)</sup>	Rate <sup>(b)</sup>	Number <sup>(a)</sup>	Rate <sup>(b)</sup>	Number <sup>(a)</sup>	Rate <sup>(b)</sup>	Number <sup>(a)</sup>	Rate <sup>(b)</sup>
1993–94	36,048	1,083.0	16,543	465.1	6,873	204.4	2,333	65.7	12,249	372.5	3,745	103.6
1994–95	40,559	1,196.3	18,304	505.1	7,956	232.5	2,685	73.8	12,613	376.6	3,821	103.8
1995–96	44,245	1,279.9	20,822	561.6	9,437	270.4	3,315	89.6	13,335	391.0	4,150	110.3
1996–97	45,701	1,295.5	21,909	575.8	10,219	287.1	3,626	95.2	13,103	376.4	4,111	106.3
1997–98	51,886	1,441.5	24,827	639.0	12,899	355.8	4,438	113.9	13,191	371.9	4,134	105.2
1998–99	49,512	1,347.3	24,603	616.3	13,239	357.3	4,755	118.8	13,059	360.0	4,165	103.3
1999–00	49,054	1,304.3	24,220	592.3	14,976	395.0	5,317	129.5	13,061	351.8	4,077	98.5

(a) 'Number' refers to number of procedures performed among 40–90 year-olds.

(b) 'Rate' refers to the number of procedures per 100,000 population and has been age-standardised to the 1991 Australian population aged 40–90 years.

Note: Data are for financial years, reflecting how the information is collected in the National Hospital Morbidity Database.

Source: AIHW National Hospital Morbidity Database.

**Table A6: Cardiac catheterisation, PCI and CABG use among AMI patients aged 40–90 years, 1999–00**

Age group	Cardiac catheterisation				PCI				CABG			
	Men		Women		Men		Women		Men		Women	
	Number <sup>(a)</sup>	Per cent <sup>(b)</sup>	Number <sup>(a)</sup>	Per cent <sup>(b)</sup>	Number <sup>(a)</sup>	Per cent <sup>(b)</sup>	Number <sup>(a)</sup>	Per cent <sup>(b)</sup>	Number <sup>(a)</sup>	Per cent <sup>(b)</sup>	Number <sup>(a)</sup>	Per cent <sup>(b)</sup>
40–64	2,923	36.3	679	33.6	1,512	18.8	329	16.3	564	7.0	100	4.9
65–69	688	30.5	289	27.4	301	13.3	121	11.5	161	7.1	63	6.0
70–74	626	24.5	368	23.6	262	10.2	169	10.8	191	7.5	83	5.3
75–84	698	17.0	471	12.7	297	7.2	219	5.9	196	4.8	112	3.0
85–90	50	5.0	30	1.8	25	2.5	25	1.5	15	1.5	6	0.4
40–90	4,985	27.7	1,837	18.3	2,397	13.3	863	8.6	1,127	6.3	364	3.6

(a) 'Number' refers to number of AMI patients aged 40–90 years receiving these procedures during acute hospital admission. AMI patients are defined as those admissions with a principal diagnosis of AMI and length of stay greater than 2 days and includes those that died within 2 days of admission. Acute hospital admission is defined as those admissions in the acute stage of a heart attack (i.e. the first occurrence of a heart attack during the observation period).

(b) 'Per cent' refers to the proportion of AMI patients receiving these procedures during the acute hospital admission.

Note: Data are for financial years, reflecting how the information is collected in the National Hospital Morbidity Database.

Source: AIHW National Hospital Morbidity Database.



**Table A7: Proportion of AMI patients receiving cardiac catheterisation, Perth, 1989 and 1997**

	Acute admission		30 days after acute admission		90 days after acute admission		1 year after acute admission	
	Men	Women	Men	Women	Men	Women	Men	Women
<b>Per cent</b>								
<b>1989</b>								
40–64	18.3	18.6	33.9	26.4	49.1	47.3	58.3	53.5
65–74	6.6	7.6	10.5	10.3	18.6	15.1	23.6	25.1
75–84	3.6	0.8	5.4	1.1	6.3	1.1	6.8	1.9
40–84	11.1	6.9	19.8	9.7	29.5	15.9	35.4	20.9
<b>1997</b>								
40–64	59.2	53.4	71.0	59.1	79.4	67.1	83.6	72.7
65–74	41.8	44.0	51.5	48.7	58.6	50.7	64.4	56.7
75–84	15.3	16.1	20.8	18.7	23.5	21.8	25.1	23.3
40–84	44.6	33.4	54.4	37.4	61.2	41.1	65.3	45.0

Sources: Hobbs et al. 2002; Michael Hobbs, pers. comm. 2002.

**Table A8: Proportion of AMI patients receiving PCI, Perth, 1989 and 1997**

	Acute admission		30 days after acute admission		90 days after acute admission		1 year after acute admission	
	Men	Women	Men	Women	Men	Women	Men	Women
<b>Per cent</b>								
<b>1989</b>								
40–64	5.7	6.2	8.6	7.8	13.5	9.3	16.6	11.6
65–74	0.8	4.3	1.3	5.4	1.6	7.6	3.2	7.6
75–84	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.4
40–84	2.9	2.9	4.4	3.6	6.6	4.7	8.5	5.2
<b>1997</b>								
40–64	32.1	21.3	36.2	33.0	38.7	37.5	40.6	38.6
65–74	16.3	16.0	19.3	17.3	22.2	19.3	23.9	19.3
75–84	7.1	7.3	8.7	7.8	8.7	8.8	9.8	9.3
40–84	22.1	14.4	25.4	16.2	27.4	18.3	29.1	18.8

Sources: Hobbs et al. 2002; Michael Hobbs, pers. comm. 2002.

**Table A9: Proportion of AMI patients receiving CABG, Perth, 1989 and 1997**

	Acute admission		30 days after acute admission		90 days after acute admission		1 year after acute admission	
	Men	Women	Men	Women	Men	Women	Men	Women
<b>Per cent</b>								
<b>1989</b>								
40–64	2.74	2.33	3.2	2.3	6.7	4.7	15.0	12.4
65–74	2.62	2.7	3.9	3.2	6.3	4.9	10.0	11.9
75–84	0.9	0	1.3	0.0	2.3	0.0	2.7	0.4
40–84	2.32	1.38	3.1	1.6	5.7	2.6	10.7	6.7
<b>1997</b>								
40–64	6.04	3.41	8.7	4.6	13.3	5.7	17.9	10.2
65–74	7.53	6	10.5	6.0	13.8	10.0	20.5	14.0
75–84	3.28	2.07	3.8	2.6	6.0	4.7	6.0	5.2
40–84	5.86	3.71	8.1	4.2	11.8	6.7	16.0	9.3

Sources: Hobbs et al. 2002; Michael Hobbs, pers. comm. 2002.

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