

Western Australia

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**ICD-9: 390–459
Diseases of the circulatory system**

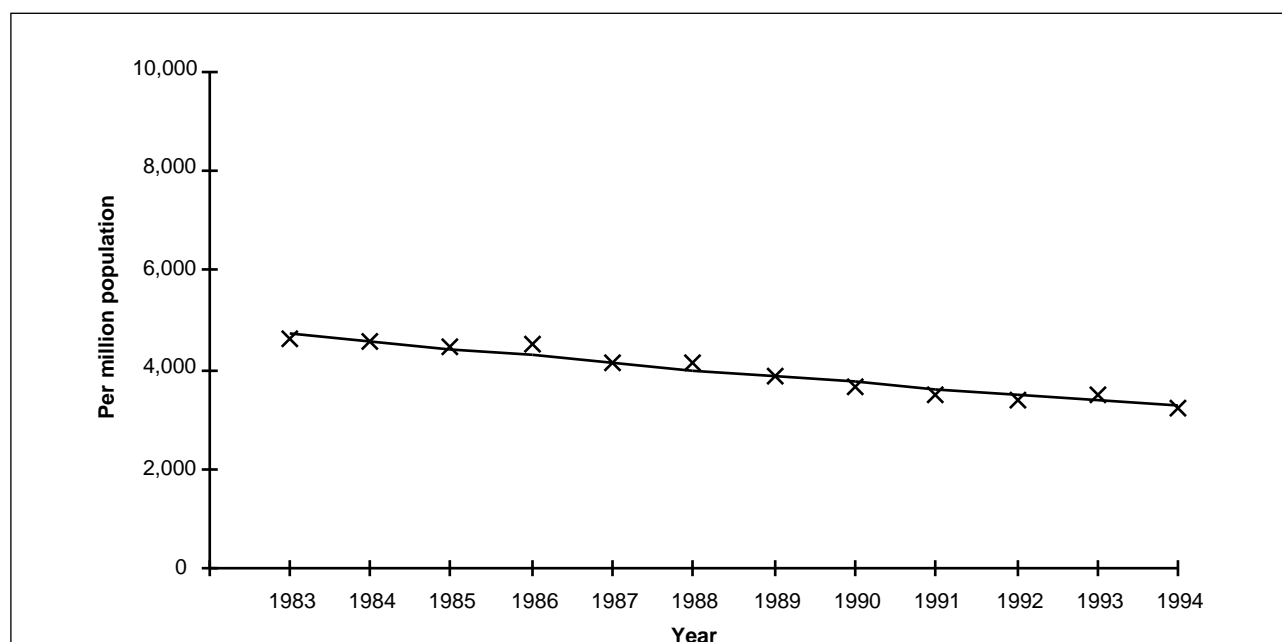
**Western Australia
Males**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	6	3	3	5	5	3	6	5	7	5	8	8			
25–34	14	11	12	19	15	12	11	14	12	16	18	11			
35–44	51	41	33	38	40	35	49	43	45	30	44	35			
45–54	132	129	105	131	128	113	115	104	105	115	107	116			
55–59	129	138	144	129	133	113	100	108	89	79	96	101			
60–64	190	195	192	227	182	188	200	188	174	158	167	145			
65–69	268	249	240	265	266	273	271	275	260	264	258	231			
70–74	368	348	377	357	379	348	307	278	296	315	338	302			
75–84	688	716	736	804	688	838	767	753	754	750	786	761			
85+	221	266	278	300	313	300	340	345	353	376	424	427			
Not stated	0	0	1	0	0	0	0	0	0	0	0	0			
25–74	1,152	1,111	1,103	1,166	1,143	1,082	1,053	1,010	981	977	1,028	941			
All ages	2,067	2,096	2,121	2,275	2,149	2,223	2,166	2,113	2,095	2,108	2,246	2,137			
Age-specific rates (per million population)															
< 25	20	10	10	16	16	9	19	15	21	15	24	24	5.3	16.4	
25–34	116	91	98	151	115	90	80	101	88	117	133	81	-0.8	-25.6	
35–44	530	408	315	344	347	290	391	333	341	226	329	260	-4.1 *	-4.7	
45–54	1,940	1,855	1,474	1,787	1,682	1,429	1,380	1,193	1,153	1,191	1,054	1,091	-5.5 **	8.4	
55–59	4,238	4,443	4,531	3,967	4,085	3,465	3,057	3,292	2,699	2,332	2,717	2,737	-5.6 **	14.9	
60–64	7,702	7,365	7,027	8,007	6,254	6,299	6,580	6,052	5,542	5,016	5,306	4,609	-4.4 **	-7.6	
65–69	13,998	13,257	12,410	12,895	12,156	11,593	10,772	10,656	9,846	9,707	9,262	8,140	-4.3 **	-8.7	
70–74	23,839	21,618	22,723	21,016	22,118	20,730	18,560	16,148	16,321	16,395	16,550	13,876	-4.4 **	-8.5	
75–84	45,284	45,188	44,804	46,769	38,541	45,310	39,973	37,688	36,707	35,667	37,027	35,395	-2.6 **	1.4	
85+	100,867	114,507	106,554	102,564	103,198	89,499	94,183	90,078	87,658	86,239	90,734	86,437	-2.2 **	3.0	
All ages: Crude and age-standardised rates (per million population)															
Crude	2,988	2,984	2,964	3,090	2,847	2,871	2,723	2,601	2,546	2,530	2,666	2,500			
Age std	4,603	4,584	4,442	4,511	4,130	4,123	3,884	3,646	3,513	3,410	3,512	3,241	-3.3 **	-1.1	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	3,077	2,897	2,802	2,855	2,708	2,482	2,339	2,189	2,092	2,046	2,117	1,898			
Age std	3,578	3,351	3,240	3,299	3,153	2,933	2,771	2,574	2,437	2,353	2,388	2,099	-4.5 **	-5.1 **	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



Source: Australian Institute of Health and Welfare

Diseases of the circulatory system, Western Australia, males, age-standardised mortality rates (all ages) and fitted trend

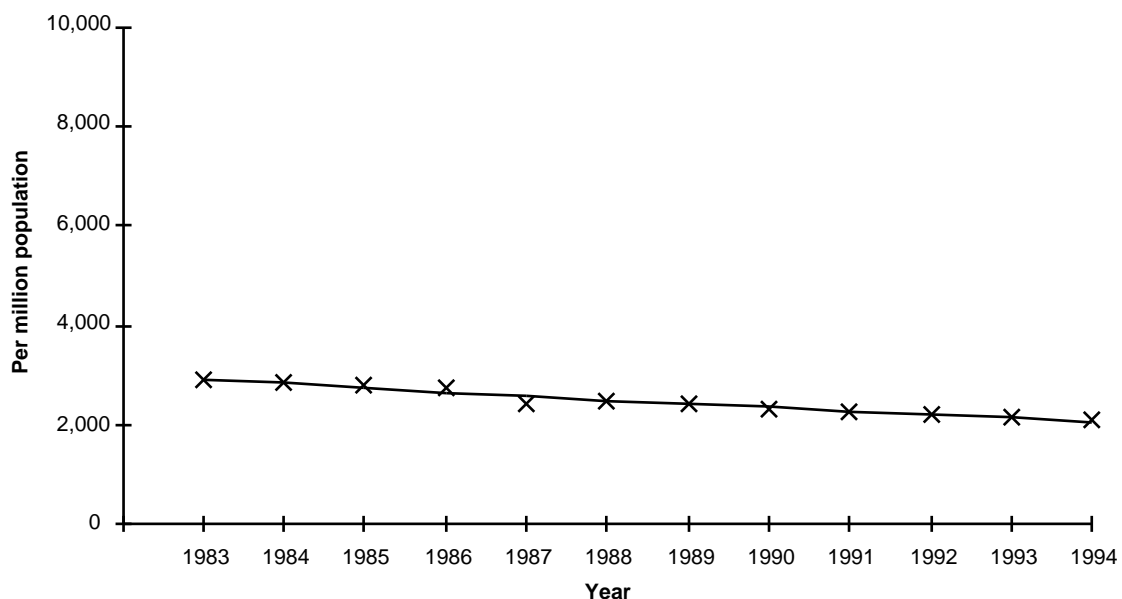
ICD-9: 390–459
Diseases of the circulatory system
Western Australia
Females

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	4	6	7	5	0	1	1	3	9	7	3	6			
25–34	11	7	11	11	0	5	6	8	3	9	5	4			
35–44	15	11	11	20	9	11	19	11	13	8	17	21			
45–54	32	43	32	45	33	29	33	27	30	33	30	26			
55–59	44	48	38	39	42	40	43	31	38	40	26	21			
60–64	62	71	63	83	79	78	73	73	72	64	61	46			
65–69	137	121	119	119	130	132	127	122	135	114	108	111			
70–74	234	233	255	229	223	206	201	187	210	201	168	210			
75–84	703	699	763	781	682	798	798	800	703	753	779	748			
85+	550	602	618	656	635	656	680	712	792	798	914	900			
Not stated	0	1	0	0	0	0	0	0	0	0	0	0			
25–74	535	534	529	546	516	501	502	459	501	469	415	439			
All ages	1,792	1,842	1,917	1,988	1,833	1,956	1,981	1,974	2,005	2,027	2,111	2,093			
Age-specific rates (per million population)															
< 25	14	21	24	17	0	3	3	10	29	22	10	19	0.9	42.3	
25–34	95	60	92	89	0	38	45	59	22	67	37	30	-7.9 *	-9.9	
35–44	169	118	113	194	83	96	159	88	101	61	128	157	-1.9	74.3	
45–54	505	663	482	656	463	394	427	334	357	370	320	263	-6.7 **	-12.4	
55–59	1,529	1,640	1,268	1,284	1,372	1,296	1,377	985	1,193	1,225	766	593	-5.8 **	-37.7	
60–64	2,393	2,604	2,260	2,911	2,729	2,647	2,441	2,392	2,332	2,072	1,988	1,495	-3.2 **	-30.4	
65–69	6,171	5,556	5,362	5,151	5,316	5,096	4,656	4,426	4,829	4,010	3,711	3,778	-4.1 **	-1.0	
70–74	12,320	11,756	12,395	10,807	10,485	9,759	9,704	8,782	9,515	8,657	6,916	8,236	-4.4 **	10.3	
75–84	32,395	30,489	31,834	31,109	25,952	29,268	28,015	27,012	22,954	24,064	24,590	23,351	-3.1 **	1.6	
85+	99,046	103,668	98,659	94,212	87,249	84,809	82,967	82,446	88,492	84,018	90,648	84,207	-1.5 **	2.5	
All ages: Crude and age-standardised rates (per million population)															
Crude	2,646	2,674	2,727	2,750	2,472	2,570	2,530	2,465	2,466	2,459	2,531	2,473			
Age std	2,902	2,852	2,822	2,757	2,449	2,504	2,436	2,322	2,281	2,208	2,186	2,090	-3.1 **	0.6	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	1,469	1,430	1,377	1,371	1,253	1,177	1,141	1,015	1,086	997	867	898			
Age std	1,503	1,461	1,404	1,410	1,307	1,244	1,227	1,099	1,172	1,061	912	931	-4.3 **	-2.9 *	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



Source: Australian Institute of Health and Welfare

Diseases of the circulatory system, Western Australia, females, age-standardised mortality rates (all ages) and fitted trend

**ICD-9: 410–414
Ischaemic heart disease**

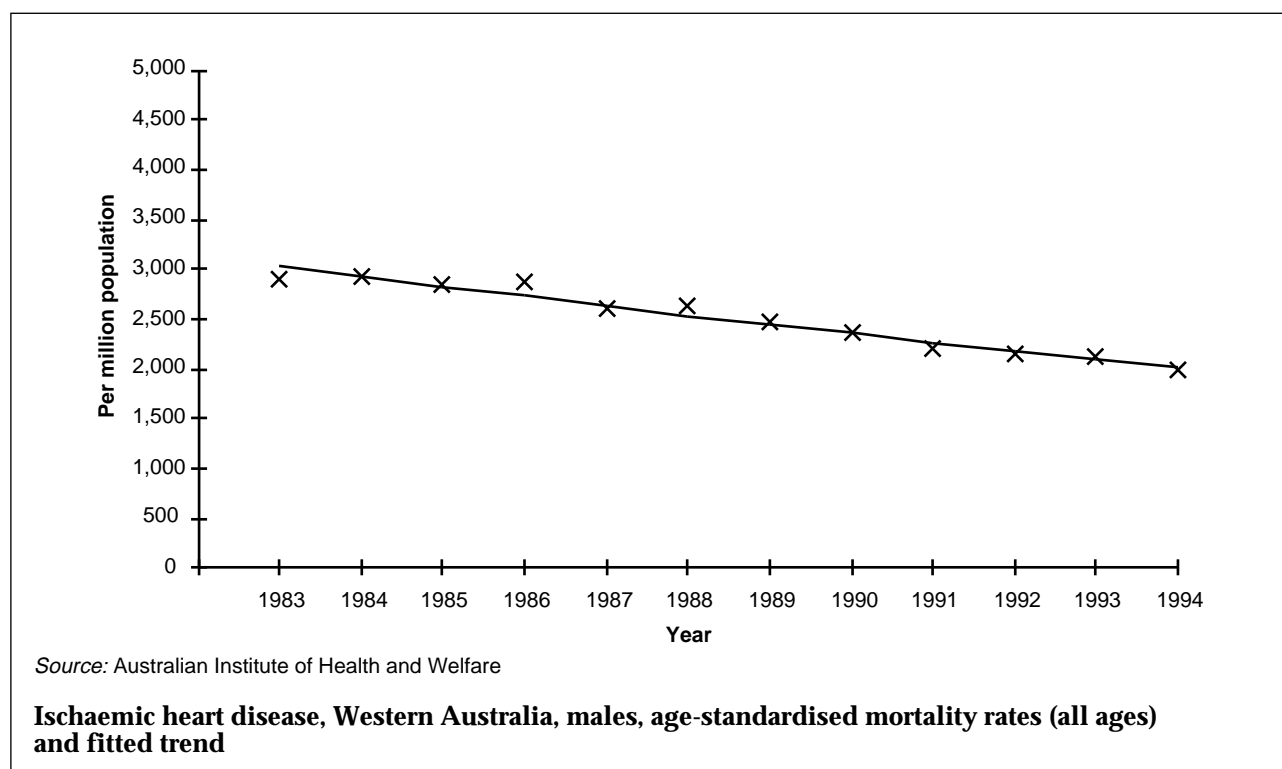
**Western Australia
Males**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	2	0	0	0	1	0	0	1	4	1	1	0			
25–34	5	3	6	8	11	4	6	5	5	5	6	5			
35–44	38	29	20	31	27	24	33	28	29	19	31	29			
45–54	100	95	82	93	97	86	88	78	78	88	79	77			
55–59	88	107	110	93	98	92	75	79	74	61	73	71			
60–64	141	144	151	167	128	143	153	135	126	110	115	106			
65–69	175	181	171	187	184	201	193	211	174	191	166	166			
70–74	257	235	259	244	242	229	206	190	207	213	212	219			
75–84	415	438	455	502	433	537	471	469	463	441	467	437			
85+	121	143	149	160	163	146	185	193	179	213	234	226			
Not stated	0	0	1	0	0	0	0	0	0	0	0	0			
25–74	804	794	799	823	787	779	754	726	693	687	682	673			
All ages	1,342	1,375	1,404	1,485	1,384	1,462	1,410	1,389	1,339	1,342	1,384	1,336			
Age-specific rates (per million population)															
< 25	7	0	0	0	3	0	0	3	12	3	3	0			
25–34	42	25	49	63	85	30	44	36	36	37	44	37	-2.0	-9.0	
35–44	395	288	191	280	234	199	264	217	220	143	232	215	-4.2 *	22.2	
45–54	1,470	1,366	1,151	1,269	1,274	1,087	1,056	894	856	912	778	724	-5.9 **	-4.3	
55–59	2,891	3,445	3,461	2,860	3,010	2,821	2,292	2,408	2,244	1,801	2,066	1,924	-5.3 **	2.2	
60–64	5,716	5,439	5,527	5,890	4,398	4,792	5,034	4,346	4,013	3,492	3,654	3,369	-4.9 **	-3.9	
65–69	9,141	9,636	8,842	9,100	8,408	8,536	7,672	8,176	6,589	7,023	5,959	5,850	-4.3 **	-6.7	
70–74	16,648	14,598	15,611	14,364	14,123	13,642	12,454	11,036	11,414	11,086	10,380	10,062	-4.4 **	1.3	
75–84	27,315	27,643	27,698	29,201	24,256	29,035	24,547	23,473	22,540	20,972	21,999	20,326	-3.1 **	-3.7	
85+	55,226	61,558	57,110	54,701	53,742	43,556	51,247	50,392	44,450	48,853	50,075	45,749	-2.0 *	-0.2	
All ages: Crude and age-standardised rates (per million population)															
Crude	1,940	1,957	1,962	2,017	1,834	1,888	1,773	1,710	1,627	1,611	1,643	1,563			
Age std	2,913	2,919	2,855	2,878	2,598	2,641	2,478	2,358	2,201	2,141	2,139	1,994	-3.6 **	-2.6 **	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	2,147	2,071	2,030	2,015	1,865	1,787	1,675	1,574	1,478	1,439	1,404	1,358			
Age std	2,493	2,391	2,337	2,325	2,160	2,100	1,974	1,849	1,718	1,651	1,577	1,504	-4.6 **	-1.8	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



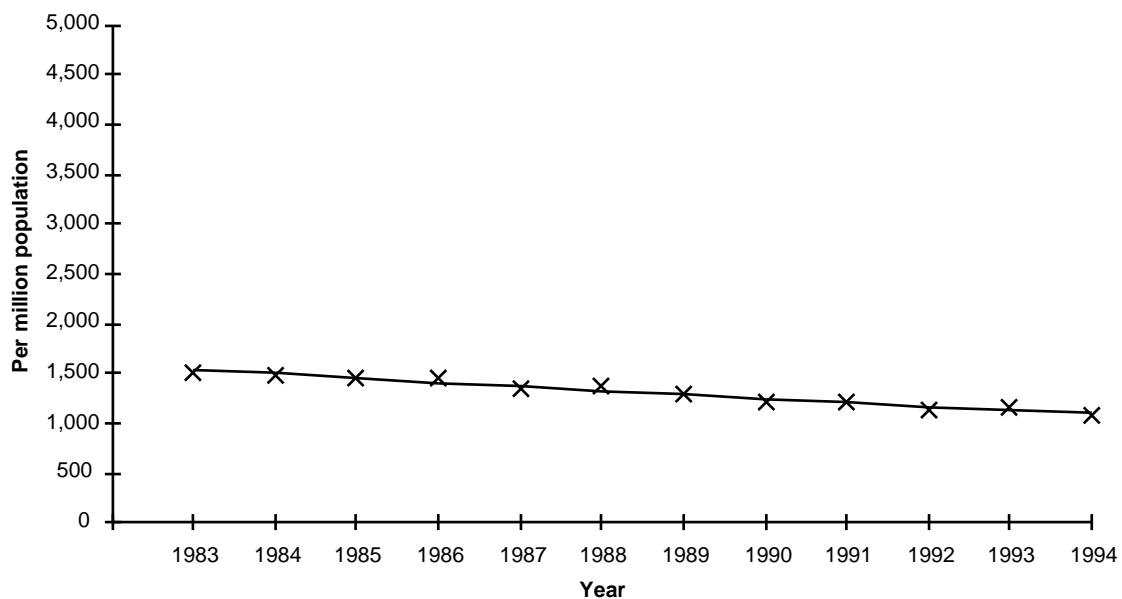
ICD-9: 410–414
Ischaemic heart disease
Western Australia
Females

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	0	0	0	0	0	0	0	0	0	1	0	0			
25–34	2	1	0	3	0	0	0	1	2	2	1	0			
35–44	9	4	3	8	4	4	6	5	2	3	2	4			
45–54	18	21	15	24	21	15	20	12	11	14	14	10			
55–59	29	24	20	21	23	25	28	16	19	26	16	11			
60–64	42	37	39	55	50	45	45	44	44	35	36	30			
65–69	87	83	75	75	85	95	75	74	76	68	61	70			
70–74	154	150	147	155	136	132	107	111	134	120	104	121			
75–84	377	373	426	422	383	446	458	449	390	401	433	402			
85+	213	269	267	278	292	304	294	319	375	347	443	429			
Not stated	0	1	0	0	0	0	0	0	0	0	0	0			
25–74	341	320	299	341	319	316	281	263	288	268	234	246			
All ages	931	963	992	1,041	994	1,066	1,033	1,031	1,053	1,017	1,110	1,077			
Age-specific rates (per million population)															
< 25	0	0	0	0	0	0	0	0	0	3	0	0			
25–34	17	9	0	24	0	0	0	7	15	15	7	0			
35–44	101	43	31	78	37	35	50	40	16	23	15	30	-11.2 *	75.0	
45–54	284	324	226	350	295	204	259	148	131	157	149	101	-8.9 **	-23.7	
55–59	1,008	820	668	691	751	810	897	509	597	796	471	311	-5.6 *	-45.3	
60–64	1,621	1,357	1,399	1,929	1,727	1,527	1,505	1,442	1,425	1,133	1,173	975	-3.5 *	-22.0	
65–69	3,919	3,811	3,379	3,246	3,476	3,668	2,749	2,684	2,718	2,392	2,096	2,382	-5.1 **	9.0	
70–74	8,108	7,568	7,145	7,315	6,395	6,254	5,166	5,213	6,071	5,168	4,281	4,745	-5.1 **	7.2	
75–84	17,372	16,270	17,774	16,809	14,574	16,358	16,079	15,160	12,734	12,815	13,668	12,550	-3.0 **	-2.3	
85+	38,358	46,323	42,625	39,925	40,121	39,302	35,871	36,938	41,899	36,534	43,935	40,138	-0.3	2.3	
All ages: Crude and age-standardised rates (per million population)															
Crude	1,374	1,398	1,411	1,440	1,340	1,401	1,319	1,288	1,295	1,234	1,331	1,272			
Age std	1,511	1,496	1,467	1,458	1,340	1,379	1,284	1,227	1,210	1,123	1,162	1,092	-3.1 **	-0.9	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	936	857	778	856	775	742	638	582	624	570	489	503			
Age std	959	880	797	881	809	787	689	632	676	607	516	526	-5.2 **	-2.5	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



Source: Australian Institute of Health and Welfare

Ischaemic heart disease, Western Australia, females, age-standardised mortality rates (all ages) and fitted trend

**ICD-9: 430–438
Cerebrovascular disease**

**Western Australia
Males**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	0	0	1	1	1	0	2	2	0	0	0	0	1		
25–34	1	3	4	6	2	2	2	1	3	4	2	2	2		
35–44	4	9	6	3	6	4	8	5	4	6	6	3	3		
45–54	12	13	11	19	15	9	10	11	12	12	10	20	20		
55–59	15	14	12	16	16	8	16	14	7	6	6	11	11		
60–64	24	23	16	24	25	18	22	21	16	19	24	17	17		
65–69	51	32	35	32	47	34	47	30	39	33	47	35	35		
70–74	69	59	67	56	74	65	53	44	38	53	63	49	49		
75–84	157	130	149	150	149	167	162	148	147	186	175	193	193		
85+	42	54	50	65	75	79	88	80	82	84	94	111	111		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	176	153	151	156	185	140	158	126	119	133	158	137	137		
All ages	375	337	351	372	410	386	410	356	348	403	427	442	442		
Age-specific rates (per million population)															
< 25	0	0	3	3	3	0	6	6	0	0	0	3	3		
25–34	8	25	33	48	15	15	15	7	22	29	15	15	15	-3.4	-16.5
35–44	42	89	57	27	52	33	64	39	30	45	45	22	22	-5.2	-40.7
45–54	176	187	154	259	197	114	120	126	132	124	98	188	188	-3.5	84.2
55–59	493	451	378	492	491	245	489	427	212	177	170	298	298	-7.1 *	41.5
60–64	973	869	586	847	859	603	724	676	510	603	763	540	540	-3.7	-8.2
65–69	2,664	1,704	1,810	1,557	2,148	1,444	1,868	1,163	1,477	1,213	1,687	1,233	1,233	-4.6 **	-3.5
70–74	4,470	3,665	4,038	3,297	4,319	3,872	3,204	2,556	2,095	2,759	3,085	2,251	2,251	-5.2 **	-9.4
75–84	10,334	8,204	9,070	8,725	8,347	9,029	8,443	7,407	7,156	8,845	8,244	8,977	8,977	-1.0	16.4
85+	19,169	23,246	19,164	22,222	24,728	23,568	24,377	20,888	20,363	19,266	20,116	22,470	22,470	-0.4	9.5
All ages: Crude and age-standardised rates (per million population)															
Crude	542	480	490	505	543	499	515	438	423	484	507	517	517		
Age std	869	770	764	773	822	762	768	644	611	676	689	695	695	-2.2 **	9.5 **
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	470	399	384	382	438	321	351	273	254	279	325	276	276		
Age std	562	466	454	442	520	392	423	326	299	324	375	306	306	-4.9 **	0.5

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



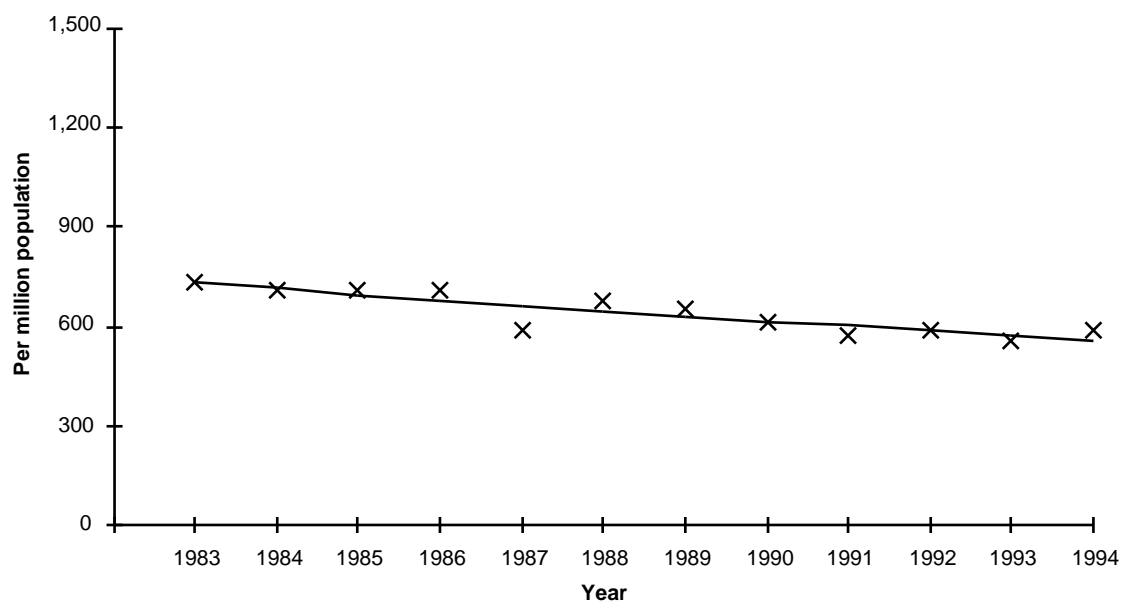
**ICD-9: 430–438
Cerebrovascular disease**
**Western Australia
Females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	1	2	1	3	0	0	0	0	1	2	1	3			
25–34	5	1	2	2	0	1	4	1	0	3	2	3			
35–44	4	4	3	3	2	3	5	3	3	3	7	9			
45–54	9	12	8	10	4	7	5	9	11	12	8	5			
55–59	10	11	15	11	11	8	5	8	9	8	4	6			
60–64	12	20	8	14	12	17	13	16	15	11	13	8			
65–69	24	22	20	29	19	26	28	21	29	24	24	24			
70–74	47	45	53	48	56	45	58	40	37	42	29	52			
75–84	187	188	197	199	164	228	217	213	182	195	200	213			
85+	156	155	176	198	178	202	201	218	223	256	258	274			
Not stated	0	0	0	0	0	0	0	0	0	0	0	0			
25–74	111	115	109	117	104	107	118	98	104	103	87	107			
All ages	455	460	483	517	446	537	536	529	510	556	546	597			
Age-specific rates (per million population)															
< 25	3	7	3	10	0	0	0	0	3	6	3	10			
25–34	43	9	17	16	0	8	30	7	0	22	15	22	-3.3	131.3	
35–44	45	43	31	29	18	26	42	24	23	23	53	67	3.8	116.3	
45–54	142	185	121	146	56	95	65	111	131	134	85	51	-5.4	-45.1	
55–59	348	376	501	362	359	259	160	254	283	245	118	169	-8.3 *	-0.4	
60–64	463	734	287	491	414	577	435	524	486	356	424	260	-3.4	-37.8	
65–69	1,081	1,010	901	1,255	777	1,004	1,026	762	1,037	844	825	817	-2.3	-2.4	
70–74	2,474	2,270	2,576	2,265	2,633	2,132	2,800	1,879	1,676	1,809	1,194	2,039	-4.0 **	30.7	
75–84	8,617	8,200	8,219	7,927	6,241	8,362	7,618	7,192	5,942	6,232	6,313	6,649	-2.8 **	10.8	
85+	28,093	26,692	28,097	28,436	24,457	26,115	24,524	25,243	24,916	26,953	25,588	25,636	-0.7	2.7	
All ages: Crude and age-standardised rates (per million population)															
Crude	672	668	687	715	601	706	685	661	627	675	655	705			
Age std	736	710	707	711	589	680	653	612	573	593	555	587	-2.4 **	7.0 **	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	305	308	284	294	253	251	268	217	225	219	182	219			
Age std	310	313	286	303	260	266	288	234	243	232	191	225	-3.6 **	8.2 *	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



Source: Australian Institute of Health and Welfare

Cerebrovascular disease, Western Australia, females, age-standardised mortality rates (all ages) and fitted trend

**ICD-9: 001–999
All causes**

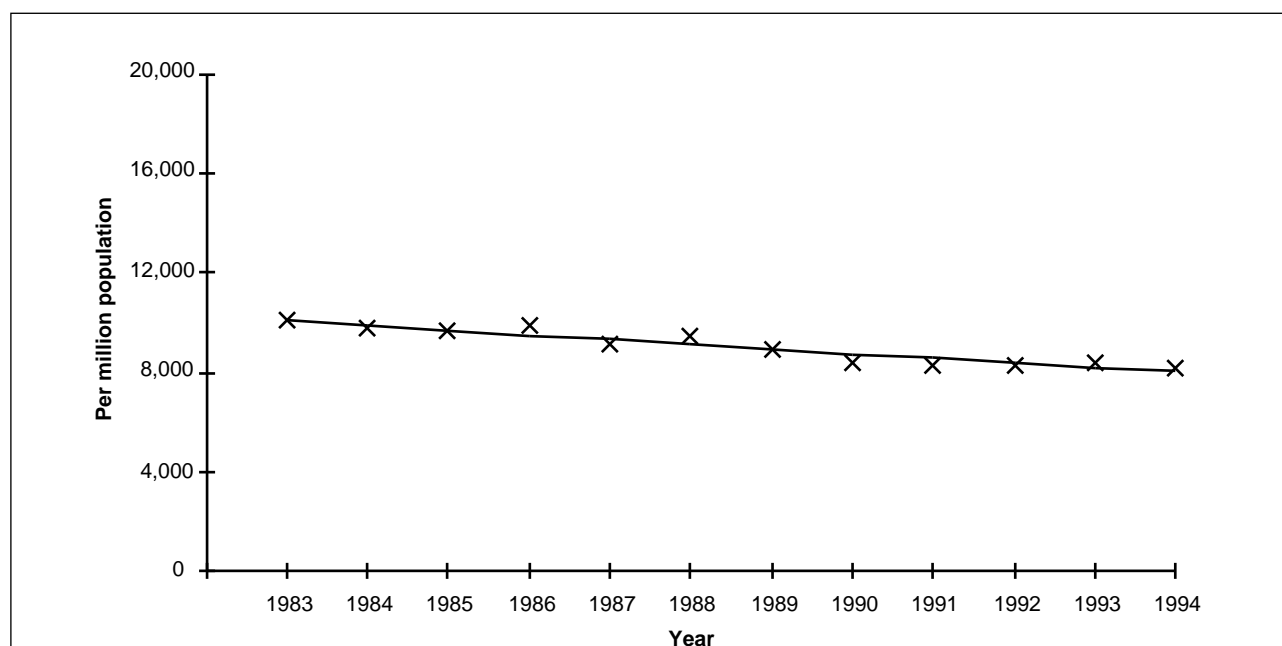
**Western Australia
Males**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	305	323	349	330	312	345	334	312	298	299	288	277			
25–34	164	143	166	156	159	159	173	178	159	172	185	173			
35–44	173	168	170	172	205	198	209	211	203	178	226	216			
45–54	330	322	316	347	331	337	330	310	356	344	345	350			
55–59	322	348	314	324	325	284	276	267	276	250	287	298			
60–64	408	444	437	513	423	486	479	465	433	410	431	444			
65–69	552	513	515	549	577	571	629	659	605	631	627	608			
70–74	727	685	735	754	732	745	675	615	653	733	770	761			
75–84	1,380	1,414	1,423	1,539	1,434	1,625	1,536	1,489	1,551	1,591	1,654	1,606			
85+	435	456	495	566	558	613	630	645	691	744	819	865			
Not stated	0	1	1	0	0	0	0	1	1	0	0	0			
25–74	2,676	2,623	2,653	2,815	2,752	2,780	2,771	2,705	2,685	2,718	2,871	2,850			
All ages	4,796	4,817	4,921	5,250	5,056	5,363	5,271	5,152	5,226	5,352	5,632	5,598			
Age-specific rates (per million population)															
< 25	1,017	1,074	1,152	1,073	1,001	1,090	1,036	953	904	905	870	833	-2.3 **	-5.6	
25–34	1,362	1,183	1,355	1,237	1,224	1,192	1,264	1,287	1,160	1,262	1,365	1,271	-0.0	1.0	
35–44	1,797	1,670	1,620	1,555	1,777	1,642	1,670	1,636	1,540	1,340	1,692	1,603	-0.9	5.3	
45–54	4,851	4,630	4,435	4,733	4,349	4,261	3,960	3,555	3,908	3,564	3,398	3,292	-3.5 **	-1.4	
55–59	10,579	11,204	9,880	9,965	9,982	8,709	8,436	8,139	8,368	7,379	8,121	8,076	-3.3 **	10.8	
60–64	16,539	16,770	15,994	18,095	14,535	16,285	15,759	14,969	13,792	13,015	13,694	14,114	-2.2 **	6.5	
65–69	28,833	27,312	26,630	26,715	26,367	24,248	25,003	25,537	22,910	23,202	22,509	21,425	-2.4 **	-3.1	
70–74	47,095	42,552	44,301	44,387	42,720	44,380	40,808	35,723	36,006	38,151	37,703	34,966	-2.4 **	-2.0	
75–84	90,831	89,240	86,626	89,524	80,332	87,862	80,050	74,525	75,508	75,661	77,916	74,698	-1.9 **	2.3	
85+	198,539	196,298	189,728	193,504	183,976	182,876	174,515	168,407	171,592	170,642	175,262	175,101	-1.3 **	5.8	
All ages: Crude and age-standardised rates (per million population)															
Crude	6,934	6,857	6,876	7,132	6,699	6,927	6,626	6,342	6,350	6,423	6,685	6,550			
Age std	10,119	9,832	9,664	9,855	9,171	9,428	8,926	8,413	8,326	8,274	8,440	8,144	-2.1 **	1.8 **	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	7,147	6,840	6,739	6,892	6,521	6,378	6,155	5,864	5,726	5,693	5,912	5,750			
Age std	8,106	7,727	7,623	7,792	7,400	7,318	7,098	6,716	6,488	6,403	6,533	6,276	-2.3 **	1.0	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



Source: Australian Institute of Health and Welfare

All causes, Western Australia, males, age-standardised mortality rates (all ages) and fitted trend

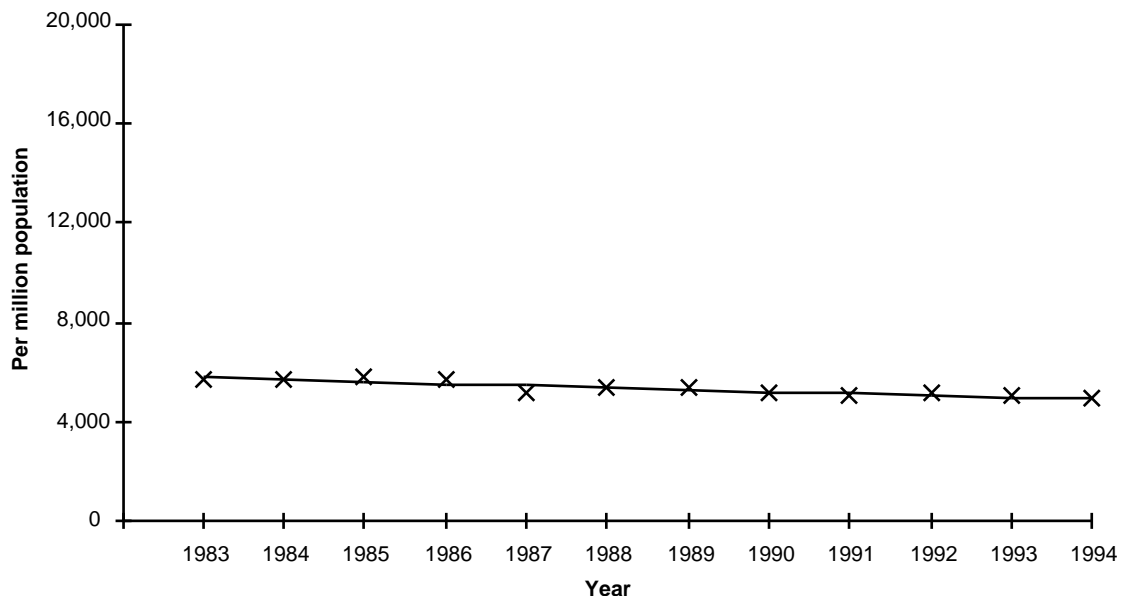
ICD-9: 001–999
All causes
Western Australia
Females

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Deaths (number)															
< 25	156	199	196	179	151	176	164	183	163	174	131	151			
25–34	63	57	59	69	44	63	53	77	55	83	61	63			
35–44	72	98	103	113	96	100	92	117	98	124	115	121			
45–54	194	171	183	173	159	171	191	187	185	187	197	208			
55–59	175	149	172	166	152	153	168	143	159	156	142	156			
60–64	203	217	209	241	249	237	237	248	233	221	228	232			
65–69	313	282	303	315	329	338	344	330	340	344	334	348			
70–74	435	441	486	497	482	455	442	390	479	484	495	518			
75–84	1,129	1,154	1,259	1,304	1,182	1,419	1,430	1,416	1,344	1,395	1,513	1,428			
85+	833	917	945	1,000	978	1,057	1,151	1,163	1,246	1,378	1,468	1,469			
Not stated	0	1	0	0	0	0	0	1	0	0	0	1			
25–74	1,455	1,415	1,515	1,574	1,511	1,517	1,527	1,492	1,549	1,599	1,572	1,646			
All ages	3,573	3,686	3,915	4,057	3,822	4,169	4,272	4,255	4,302	4,546	4,684	4,695			
Age-specific rates (per million population)															
< 25	546	694	679	612	510	586	536	590	522	556	418	479	-2.7 **	-0.3 .	
25–34	543	486	494	559	346	483	395	567	406	613	453	467	-0.3 .	-2.8 .	
35–44	809	1,052	1,055	1,096	887	876	769	939	760	950	869	903	-1.1 .	7.8 .	
45–54	3,064	2,635	2,757	2,521	2,233	2,321	2,470	2,313	2,199	2,095	2,102	2,108	-3.0 **	6.0 .	
55–59	6,083	5,092	5,741	5,464	4,966	4,956	5,380	4,545	4,993	4,777	4,182	4,404	-2.5 **	1.1 .	
60–64	7,837	7,959	7,497	8,453	8,601	8,043	7,925	8,127	7,546	7,156	7,432	7,540	-0.8 .	0.4 .	
65–69	14,099	12,949	13,652	13,634	13,454	13,049	12,611	11,971	12,162	12,099	11,475	11,844	-1.7 **	3.1 .	
70–74	22,902	22,250	23,623	23,456	22,663	21,556	21,338	18,316	21,703	20,845	20,377	20,315	-1.4 **	2.3 .	
75–84	52,025	50,336	52,528	51,942	44,979	52,045	50,202	47,810	43,883	44,580	47,760	44,579	-1.4 **	-0.9 .	
85+	150,009	157,913	150,862	143,616	134,378	136,652	140,434	134,669	139,218	145,083	145,592	137,444	-0.6 *	-0.7 .	
All ages: Crude and age-standardised rates (per million population)															
Crude	5,275	5,351	5,570	5,612	5,154	5,479	5,456	5,314	5,291	5,516	5,617	5,547			
Age std	5,749	5,700	5,793	5,703	5,186	5,433	5,362	5,140	5,049	5,131	5,095	4,952	-1.4 **	0.4 .	
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	3,996	3,789	3,944	3,952	3,670	3,564	3,469	3,300	3,358	3,400	3,285	3,368			
Age std	4,092	3,886	4,044	4,077	3,817	3,742	3,702	3,521	3,581	3,581	3,426	3,487	-1.6 **	2.8 **	

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.



Source: Australian Institute of Health and Welfare

All causes, Western Australia, females, age-standardised mortality rates (all ages) and fitted trend

**ICD-9: 401–405
Hypertensive disease**
**Western Australia
Males and females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests	
													Trend	RD
Males														
Deaths (number)														
< 25	1	0	0	0	0	0	0	1	0	0	0	1		
25–34	1	0	1	1	0	0	0	0	0	0	0	1		
35–44	0	0	1	1	1	0	0	0	1	0	0	0		
45–54	1	2	0	1	1	2	2	2	2	0	2	1		
55–59	4	3	2	1	4	3	1	0	2	2	4	2		
60–64	2	3	5	6	4	2	5	3	4	5	2	1		
65–69	5	5	7	3	4	2	2	2	6	8	5	1		
70–74	5	3	5	7	7	7	4	6	4	3	3	5		
75–84	11	16	12	17	8	21	9	21	10	8	8	7		
85+	5	4	6	6	4	5	8	11	3	3	1	4		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	18	16	21	20	21	16	14	13	19	18	16	11		
All ages	35	36	39	43	33	42	31	46	32	29	25	23		
Age-specific rates (per million population)														
< 25	3	0	0	0	0	0	0	3	0	0	0	3		
25–34	8	0	8	8	0	0	0	0	0	0	0	7		
35–44	0	0	10	9	9	0	0	0	8	0	0	0		
45–54	15	29	0	14	13	25	24	23	22	0	20	9		
55–59	131	97	63	31	123	92	31	0	61	59	113	54	-4.5	-1.0
60–64	81	113	183	212	137	67	164	97	127	159	64	32	-5.0	-71.4
65–69	261	266	362	146	183	85	80	78	227	294	179	35	-6.4	-77.6
70–74	324	186	301	412	409	417	242	349	221	156	147	230	-4.9	12.8
75–84	724	1,010	731	989	448	1,135	469	1,051	487	380	377	326	-7.4 *	-30.2
85+	2,282	1,722	2,300	2,051	1,319	1,492	2,216	2,872	745	688	214	810	-10.4 *	1.2
All ages: Crude and age-standardised rates (per million population)														
Crude	51	51	54	58	44	54	39	57	39	35	30	27		
Age std	80	80	82	87	61	79	58	85	51	45	36	34	-6.8 **	-25.4 **
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	48	42	53	49	50	37	31	28	41	38	33	22		
Age std	55	48	63	56	57	44	37	35	47	44	36	24	-5.3 **	-32.5 **
Females														
Deaths (number)														
< 25	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	1	0	0	0	0	0	0	0	0	0	0		
35–44	0	0	1	0	0	0	1	1	1	0	0	0		
45–54	1	1	2	2	0	1	3	1	0	1	0	1		
55–59	0	2	0	1	0	1	2	1	1	1	0	1		
60–64	0	0	2	2	3	3	3	0	1	1	1	0		
65–69	5	4	3	1	0	1	3	3	3	3	6	1		
70–74	3	5	12	4	8	3	4	3	4	5	5	5		
75–84	20	16	16	21	15	12	12	13	8	14	19	22		
85+	11	17	19	13	13	17	28	18	17	14	23	16		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	9	13	20	10	11	9	16	9	10	11	12	8		
All ages	40	46	55	44	39	38	56	40	35	39	54	46		
Age-specific rates (per million population)														
< 25	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	9	0	0	0	0	0	0	0	0	0	0		
35–44	0	0	10	0	0	0	8	8	8	0	0	0		
45–54	16	15	30	29	0	14	39	12	0	11	0	10		
55–59	0	68	0	33	0	32	64	32	31	31	0	28		
60–64	0	0	72	70	104	102	100	0	32	32	33	0		
65–69	225	184	135	43	0	39	110	109	107	106	206	34	-3.6	-69.0
70–74	158	252	583	189	376	142	193	141	181	215	206	196	-4.8	14.3
75–84	922	698	668	836	571	440	421	439	261	447	600	687	-4.4	91.6 *
85+	1,981	2,928	3,033	1,867	1,786	2,198	3,416	2,084	1,899	1,474	2,281	1,497	-3.4	-23.6
All ages: Crude and age-standardised rates (per million population)														
Crude	59	67	78	61	53	50	72	50	43	47	65	54		
Age std	65	71	81	61	52	48	68	46	39	43	57	46	-4.3 **	6.1
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	25	35	52	25	27	21	36	20	22	23	25	16		
Age std	26	36	53	26	27	22	39	21	23	25	27	16	-4.7 **	-29.4 **

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

ICD-9: 410
Acute myocardial infarction
Western Australia
Males and females

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests	
													Trend	RD
Males														
Deaths (number)														
< 25	0	0	0	0	0	0	0	1	4	0	1	0		
25–34	4	2	5	5	4	3	3	2	1	2	6	3		
35–44	27	23	16	27	20	13	20	19	18	10	13	11		
45–54	78	59	62	69	68	59	60	47	41	44	42	37		
55–59	71	71	74	72	65	56	51	50	41	37	41	31		
60–64	109	117	121	120	90	95	103	90	72	71	72	47		
65–69	128	138	120	126	133	136	145	127	115	121	97	95		
70–74	197	181	187	162	171	181	144	115	128	131	138	132		
75–84	303	301	323	357	305	370	335	322	286	288	317	255		
85+	78	79	94	100	102	85	110	116	112	124	112	122		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	614	591	585	581	551	543	526	450	416	416	409	356		
All ages	995	971	1,002	1,038	958	998	971	889	818	828	839	733		
Age-specific rates (per million population)														
< 25	0	0	0	0	0	0	0	3	12	0	3	0		
25–34	33	17	41	40	31	22	22	14	7	15	44	22	-3.6	8.8
35–44	281	229	152	244	173	108	160	147	137	75	97	82	-9.7 **	-4.2
45–54	1,147	848	870	941	893	746	720	539	450	456	414	348	-9.5 **	-10.7
55–59	2,333	2,286	2,329	2,214	1,996	1,717	1,559	1,524	1,243	1,092	1,160	840	-8.5 **	-19.5
60–64	4,419	4,419	4,429	4,233	3,092	3,183	3,389	2,897	2,293	2,254	2,288	1,494	-8.3 **	-26.9
65–69	6,686	7,347	6,205	6,131	6,078	5,775	5,764	4,921	4,355	4,449	3,482	3,348	-6.3 **	-11.9
70–74	12,762	11,244	11,271	9,537	9,980	10,782	8,706	6,680	7,058	6,818	6,757	6,065	-6.5 **	0.3
75–84	19,943	18,997	19,663	20,767	17,086	20,005	17,459	16,116	13,923	13,696	14,933	11,860	-4.3 **	-13.9
85+	35,600	34,008	36,029	34,188	33,630	25,358	30,471	30,287	27,812	28,440	23,967	24,696	-3.5 **	-0.8
All ages: Crude and age-standardised rates (per million population)														
Crude	1,439	1,382	1,400	1,410	1,269	1,289	1,221	1,094	994	994	996	858		
Age std	2,130	2,017	2,015	1,988	1,790	1,795	1,696	1,509	1,351	1,325	1,295	1,102	-5.5 **	-10.6 **
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	1,640	1,541	1,486	1,422	1,306	1,246	1,168	975	887	871	842	718		
Age std	1,899	1,791	1,709	1,631	1,517	1,478	1,382	1,143	1,038	1,006	952	802	-7.2 **	-10.6 **
Females														
Deaths (number)														
< 25	0	0	0	0	0	0	0	0	0	1	0	0		
25–34	1	1	0	3	0	0	0	1	1	0	1	0		
35–44	7	2	2	3	2	3	2	4	1	1	2	4		
45–54	16	17	12	16	14	8	9	9	7	11	7	6		
55–59	24	20	17	17	17	16	18	9	12	17	9	5		
60–64	34	24	25	42	37	30	29	33	32	17	17	20		
65–69	75	67	60	52	59	68	49	57	43	42	31	47		
70–74	108	109	105	110	105	100	75	77	81	77	71	76		
75–84	259	270	305	303	277	283	326	312	263	280	273	235		
85+	128	172	158	168	183	178	183	174	216	188	243	237		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	265	240	221	243	234	225	182	190	177	165	138	158		
All ages	652	682	684	714	694	686	691	676	656	634	654	630		
Age-specific rates (per million population)														
< 25	0	0	0	0	0	0	0	0	0	3	0	0		
25–34	9	9	0	24	0	0	0	7	7	0	7	0		
35–44	79	21	20	29	18	26	17	32	8	8	15	30	-9.4	228.8
45–54	253	262	181	233	197	109	116	111	83	123	75	61	-11.8 **	-14.5
55–59	834	683	567	560	555	518	576	286	377	521	265	141	-9.4 **	-54.6
60–64	1,313	880	897	1,473	1,278	1,018	970	1,081	1,036	550	554	650	-5.6 **	-9.4
65–69	3,378	3,076	2,703	2,251	2,413	2,625	1,796	2,068	1,538	1,477	1,065	1,600	-8.2 **	33.0
70–74	5,686	5,499	5,104	5,191	4,937	4,738	3,621	3,616	3,670	3,316	2,923	2,981	-6.3 **	3.0
75–84	11,935	11,777	12,725	12,069	10,541	10,380	11,445	10,534	8,587	8,948	8,618	7,336	-4.2 **	-13.6
85+	23,051	29,619	25,223	24,128	25,144	23,012	22,328	20,148	24,134	19,794	24,100	22,174	-1.6 *	4.2
All ages: Crude and age-standardised rates (per million population)														
Crude	963	990	973	988	936	901	883	844	807	769	784	744		
Age std	1,060	1,063	1,015	1,003	939	893	861	813	756	704	688	645	-4.6 **	-3.2 *
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	728	643	575	610	568	529	414	420	384	351	288	323		
Age std	748	662	591	626	592	560	447	457	415	373	302	338	-7.3 **	5.4 *

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

**ICD-9: 411–414
Other ischaemic heart disease**
**Western Australia
Males and females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests	
													Trend	RD
Males														
Deaths (number)														
< 25	2	0	0	0	1	0	0	0	0	1	0	0		
25–34	1	1	1	3	7	1	3	3	4	3	0	2		
35–44	11	6	4	4	7	11	13	9	11	9	18	18		
45–54	22	36	20	24	29	27	28	31	37	44	37	40		
55–59	17	36	36	21	33	36	24	29	33	24	32	40		
60–64	32	27	30	47	38	48	50	45	54	39	43	59		
65–69	47	43	51	61	51	65	48	84	59	70	69	71		
70–74	60	54	72	82	71	48	62	75	79	82	74	87		
75–84	112	137	132	145	128	167	136	147	177	153	150	182		
85+	43	64	55	60	61	61	75	77	67	89	122	104		
Not stated	0	0	1	0	0	0	0	0	0	0	0	0		
25–74	190	203	214	242	236	236	228	276	277	271	273	317		
All ages	347	404	402	447	426	464	439	500	521	514	545	603		
Age-specific rates (per million population)														
< 25	7	0	0	0	3	0	0	0	0	3	0	0		
25–34	8	8	8	24	54	7	22	22	29	22	0	15	0.3	–28.4
35–44	114	60	38	36	61	91	104	70	83	68	135	134	6.5 *	29.0
45–54	323	518	281	327	381	341	336	356	406	456	364	376	0.8	–4.6
55–59	559	1,159	1,133	646	1,014	1,104	734	884	1,001	708	906	1,084	0.6	23.6
60–64	1,297	1,020	1,098	1,658	1,306	1,608	1,645	1,449	1,720	1,238	1,366	1,875	2.7	20.1
65–69	2,455	2,289	2,637	2,968	2,331	2,760	1,908	3,255	2,234	2,574	2,477	2,502	–0.0	–1.3
70–74	3,887	3,354	4,340	4,827	4,144	2,859	3,748	4,356	4,356	4,268	3,623	3,997	0.1	–0.6
75–84	7,372	8,646	8,036	8,435	7,170	9,029	7,088	7,357	8,617	7,276	7,066	8,465	–0.4	14.4
85+	19,626	27,551	21,081	20,513	20,112	18,198	20,776	20,104	16,638	20,413	26,107	21,053	0.1	–0.2
All ages: Crude and age-standardised rates (per million population)														
Crude	502	575	562	607	564	599	552	615	633	617	647	706		
Age std	783	902	839	890	808	846	782	849	850	816	844	892	0.2 *	7.3 **
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	507	529	544	592	559	541	506	598	591	568	562	640		
Age std	595	600	628	695	643	622	592	705	680	645	625	702	0.9 **	5.7 **
Females														
Deaths (number)														
< 25	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	1	0	0	0	0	0	0	0	1	2	0	0		
35–44	2	2	1	5	2	1	4	1	1	2	0	0		
45–54	2	4	3	8	7	7	11	3	4	3	7	4		
55–59	5	4	3	4	6	9	10	7	7	9	7	6		
60–64	8	13	14	13	13	15	16	11	12	18	19	10		
65–69	12	16	15	23	26	27	26	17	33	26	30	23		
70–74	46	41	42	45	31	32	32	34	53	43	33	45		
75–84	118	103	121	119	106	163	132	137	127	121	160	167		
85+	85	97	109	110	109	126	111	145	159	159	200	192		
Not stated	0	1	0	0	0	0	0	0	0	0	0	0		
25–74	76	80	78	98	85	91	99	73	111	103	96	88		
All ages	279	281	308	327	300	380	342	355	397	383	456	447		
Age-specific rates (per million population)														
< 25	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	9	0	0	0	0	0	0	0	7	15	0	0		
35–44	22	21	10	49	18	9	33	8	8	15	0	0		
45–54	32	62	45	117	98	95	142	37	48	34	75	41	–2.7	–39.6
55–59	174	137	100	132	196	292	320	222	220	276	206	169	3.9	–41.6
60–64	309	477	502	456	449	509	535	360	389	583	619	325	1.0	–41.8
65–69	541	735	676	995	1,063	1,042	953	617	1,180	914	1,031	783	2.4	–28.8
70–74	2,422	2,069	2,042	2,124	1,458	1,516	1,545	1,597	2,401	1,852	1,358	1,765	–2.3	14.0
75–84	5,438	4,493	5,048	4,740	4,034	5,978	4,634	4,626	4,147	3,867	5,051	5,213	–0.5	19.2
85+	15,307	16,704	17,401	15,798	14,977	16,290	13,543	16,790	17,765	16,740	19,835	17,964	1.6	–0.7
All ages: Crude and age-standardised rates (per million population)														
Crude	412	408	438	452	405	499	437	443	488	465	547	528		
Age std	450	433	452	455	401	486	424	413	454	418	475	447	0.1	0.9
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	209	214	203	246	206	214	225	161	241	219	201	180		
Age std	211	218	206	255	217	227	242	175	260	234	214	187	–0.3	–18.4 **

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

**ICD-9: 428
Heart failure**
**Western Australia
Males and females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Males															
Deaths (number)															
< 25	0	0	0	0	1	1	0	0	0	0	0	0	0		
25–34	0	2	0	0	2	0	0	0	0	0	0	0	0		
35–44	1	2	0	0	1	1	1	1	1	0	0	0	0		
45–54	2	1	1	3	1	0	0	0	0	1	0	0	0		
55–59	5	1	1	1	1	0	1	0	0	1	0	1	0		
60–64	3	2	0	3	2	3	4	3	1	2	1	1	1		
65–69	6	3	1	7	2	1	2	3	4	2	3	3	3		
70–74	6	10	12	3	8	7	6	4	5	7	9	6	6		
75–84	23	30	29	24	23	28	32	30	36	30	28	28	28		
85+	15	24	24	29	26	23	21	20	26	25	36	34	34		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	23	21	15	17	17	12	14	11	11	13	13	11	11		
All ages	61	75	68	70	67	64	67	61	73	68	77	73			
Age-specific rates (per million population)															
< 25	0	0	0	0	3	3	0	0	0	0	0	0	0		
25–34	0	17	0	0	15	0	0	0	0	0	0	0	0		
35–44	10	20	0	0	9	8	8	8	8	0	0	0	0		
45–54	29	14	14	41	13	0	0	0	0	10	0	0	0		
55–59	164	32	31	31	31	0	31	0	0	30	0	27	27		
60–64	122	76	0	106	69	101	132	97	32	63	32	32	32	–5.9	–44.4
65–69	313	160	52	341	91	42	80	116	151	74	108	106	106	–8.1	43.6
70–74	389	621	723	177	467	417	363	232	276	364	441	276	276	–4.8	–10.8
75–84	1,514	1,893	1,765	1,396	1,288	1,514	1,668	1,502	1,753	1,427	1,319	1,302	1,302	–1.7	–8.8
85+	6,846	10,331	9,199	9,915	8,572	6,862	5,817	5,222	6,456	5,734	7,704	6,883	6,883	–3.3	18.1
All ages: Crude and age-standardised rates (per million population)															
Crude	88	107	95	95	89	83	84	75	89	82	91	85	85		
Age std	158	198	174	168	150	137	134	118	138	121	134	122	122	–3.7 **	5.2
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	61	55	38	42	40	28	31	24	23	27	27	22	22		
Age std	70	63	45	50	47	34	38	29	29	32	32	26	26	–8.4 **	6.7
Females															
Deaths (number)															
< 25	0	1	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	1	1	0	0	0	0	0	0	1	0	0		
35–44	0	0	0	0	0	0	0	0	0	0	0	0	0		
45–54	0	0	0	2	0	0	0	1	0	0	0	0	0		
55–59	0	0	1	1	1	0	1	0	0	0	0	0	0		
60–64	3	0	1	0	0	2	3	1	0	0	0	0	0		
65–69	5	3	7	2	3	2	4	4	3	3	2	2	2		
70–74	6	8	3	4	4	4	7	5	4	5	5	5	5		
75–84	24	34	25	34	39	20	39	34	37	36	28	26	26		
85+	49	41	56	56	58	44	53	61	68	57	59	65	65		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	14	11	13	10	8	8	15	11	7	8	8	7	7		
All ages	87	87	94	100	105	72	107	106	112	101	95	98			
Age-specific rates (per million population)															
< 25	0	3	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	8	8	0	0	0	0	0	0	7	0	0		
35–44	0	0	0	0	0	0	0	0	0	0	0	0	0		
45–54	0	0	0	29	0	0	0	12	0	0	0	0	0		
55–59	0	0	33	33	33	0	32	0	0	0	0	0	0		
60–64	116	0	36	0	0	68	100	33	0	0	0	0	0		
65–69	225	138	315	87	123	77	147	145	107	106	69	68	68	–9.0	–12.4
70–74	316	404	146	189	188	190	338	235	181	215	206	196	196	–3.3	3.1
75–84	1,106	1,483	1,043	1,354	1,484	734	1,369	1,148	1,208	1,150	884	812	812	–2.9	–22.1
85+	8,824	7,060	8,940	8,043	7,969	5,688	6,467	7,063	7,598	6,001	5,851	6,082	6,082	–3.2 *	3.5
All ages: Crude and age-standardised rates (per million population)															
Crude	128	126	134	138	142	95	137	132	138	123	114	116	116		
Age std	141	134	137	134	135	88	127	119	119	104	93	90	90	–3.6 **	–8.3 *
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	38	29	34	25	19	19	34	24	15	17	17	14	14		
Age std	40	30	36	26	20	20	37	27	17	18	17	15	15	–7.2 **	–12.2

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

ICD-9: 428.0
Congestive heart failure
Western Australia
Males and females

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Males															
Deaths (number)															
< 25	0	0	0	0	1	1	0	0	0	0	0	0	0		
25–34	0	1	0	0	2	0	0	0	0	0	0	0	0		
35–44	1	2	0	0	1	1	0	0	1	0	0	0	0		
45–54	2	1	1	3	1	0	0	0	0	0	0	0	0		
55–59	4	1	0	1	1	0	1	0	0	0	0	0	1		
60–64	3	2	0	2	1	2	4	3	1	1	1	1	1		
65–69	6	3	1	5	1	1	2	2	3	1	3	2	2		
70–74	4	6	10	3	4	5	2	3	3	4	6	4	4		
75–84	16	16	23	18	15	20	18	14	21	23	15	10	10		
85+	9	14	16	15	11	17	15	7	12	11	22	17	17		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	20	16	12	14	11	9	9	8	8	6	10	8	8		
All ages	45	46	51	47	38	47	42	29	41	40	47	35			
Age-specific rates (per million population)															
< 25	0	0	0	0	3	3	0	0	0	0	0	0	0		
25–34	0	8	0	0	15	0	0	0	0	0	0	0	0		
35–44	10	20	0	0	9	8	0	0	8	0	0	0	0		
45–54	29	14	14	41	13	0	0	0	0	0	0	0	0		
55–59	131	32	0	31	31	0	31	0	0	0	0	27	27		
60–64	122	76	0	71	34	67	132	97	32	32	32	32	32		
65–69	313	160	52	243	46	42	80	78	114	37	108	70	70	-10.7	38.6
70–74	259	373	603	177	233	298	121	174	165	208	294	184	184	-6.0	2.9
75–84	1,053	1,010	1,400	1,047	840	1,081	938	701	1,022	1,094	707	465	465	-4.5 *	-43.9
85+	4,108	6,027	6,133	5,128	3,627	5,072	4,155	1,828	2,980	2,523	4,708	3,441	3,441	-4.8	16.2
All ages: Crude and age-standardised rates (per million population)															
Crude	65	65	71	64	50	61	53	36	50	48	56	41	41		
Age std	111	118	128	107	81	100	85	54	76	71	81	58	58	-6.0 **	-8.7 *
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	53	42	30	34	26	21	20	17	17	13	21	16	16		
Age std	61	48	37	40	29	25	24	21	20	15	25	18	18	-10.7 **	30.2 *
Females															
Deaths (number)															
< 25	0	1	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	1	1	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	0	0	0	0	0	0	0		
45–54	0	0	0	2	0	0	0	0	0	0	0	0	0		
55–59	0	0	0	0	1	0	1	0	0	0	0	0	0		
60–64	2	0	0	0	0	1	2	1	0	0	0	0	0		
65–69	3	3	7	2	2	2	4	3	0	2	2	2	2		
70–74	5	5	3	3	3	3	6	4	2	2	4	4	4		
75–84	13	18	15	17	17	11	25	17	17	20	14	17	17		
85+	36	26	31	35	35	27	32	31	34	39	27	28	28		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	10	8	11	8	6	6	13	8	2	4	6	6	6		
All ages	59	53	57	60	58	44	70	56	53	63	47	51	51		
Age-specific rates (per million population)															
< 25	0	3	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	8	8	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	0	0	0	0	0	0	0		
45–54	0	0	0	29	0	0	0	0	0	0	0	0	0		
55–59	0	0	0	0	33	0	32	0	0	0	0	0	0		
60–64	77	0	0	0	0	34	67	33	0	0	0	0	0		
65–69	135	138	315	87	82	77	147	109	0	70	69	68	68	-10.5	35.6
70–74	263	252	146	142	141	142	290	188	91	86	165	157	157	-4.5	29.5
75–84	599	785	626	677	647	403	878	574	555	639	442	531	531	-2.4	-1.0
85+	6,483	4,477	4,949	5,027	4,809	3,491	3,904	3,590	3,799	4,106	2,678	2,620	2,620	-6.1 **	-12.1
All ages: Crude and age-standardised rates (per million population)															
Crude	87	77	81	83	78	58	89	70	65	76	56	60	60		
Age std	95	82	84	81	74	54	84	63	56	64	47	49	49	-5.4 **	-3.8
Ages 25–74: Crude and age-standardised rates (per million population)															
Crude	27	21	29	20	15	14	30	18	4	9	13	12	12		
Age std	28	22	31	21	15	15	32	19	5	9	13	13	13	-8.4 **	20.6

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

**ICD-9: 440
Atherosclerosis**
**Western Australia
Males and females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests		
													Trend	RD	
Males															
Deaths (number)															
< 25	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	0	0	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	0	0	1	0	0	0	0		
45–54	0	0	0	0	0	2	0	0	0	0	0	0	1		
55–59	3	0	1	0	0	0	0	0	1	0	0	0	2		
60–64	1	1	0	1	2	2	1	2	1	0	1	0	0		
65–69	0	3	0	0	1	3	0	1	2	0	2	1	1		
70–74	3	3	1	6	3	3	7	3	3	3	4	5	5		
75–84	29	18	14	15	16	10	7	7	20	9	8	10	10		
85+	14	18	16	11	10	13	13	11	13	14	7	7	7		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	7	7	2	7	6	10	8	6	8	3	7	9	9		
All ages	50	43	32	33	32	33	28	24	41	26	22	26			
Age-specific rates (per million population)															
< 25	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	0	0	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	0	0	8	0	0	0	0		
45–54	0	0	0	0	0	25	0	0	0	0	0	9	9		
55–59	99	0	31	0	0	0	0	0	30	0	0	54	54		
60–64	41	38	0	35	69	67	33	64	32	0	32	0	0		
65–69	0	160	0	0	46	127	0	39	76	0	72	35	35		
70–74	194	186	60	353	175	179	423	174	165	156	196	230	230	0.6	11.6
75–84	1,909	1,136	852	873	896	541	365	350	974	428	377	465	465	-11.6 **	44.3
85+	6,390	7,749	6,133	3,761	3,297	3,878	3,601	2,872	3,228	3,211	1,498	1,417	1,417	-11.8 **	-26.0
All ages: Crude and age-standardised rates (per million population)															
Crude	72	61	45	45	42	43	35	30	50	31	26	30	30		
Age std	140	125	90	78	72	71	59	48	75	49	37	41	41	-10.5 **	12.1 *
Age 25–74: Crude and age-standardised rates (per million population)															
Crude	19	18	5	17	14	23	18	13	17	6	14	18	18		
Age std	20	23	5	21	17	27	24	16	20	8	17	20	20		
Females															
Deaths (number)															
< 25	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	0	0	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	0	0	0	0	0	0	0		
45–54	0	0	1	0	0	0	0	0	0	0	0	0	0		
55–59	0	1	0	0	0	0	0	0	0	0	0	0	0		
60–64	0	0	0	0	0	1	0	1	1	0	0	1	1		
65–69	2	1	2	0	1	1	0	1	2	2	0	1	1		
70–74	4	6	8	1	3	0	2	2	1	3	0	3	3		
75–84	27	32	24	21	18	20	11	12	21	19	10	7	7		
85+	50	47	44	46	32	26	29	19	27	32	28	21	21		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	6	8	11	1	4	2	2	4	4	5	0	5	5		
All ages	83	87	79	68	54	48	42	35	52	56	38	33			
Age-specific rates (per million population)															
< 25	0	0	0	0	0	0	0	0	0	0	0	0	0		
25–34	0	0	0	0	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	0	0	0	0	0	0	0		
45–54	0	0	15	0	0	0	0	0	0	0	0	0	0		
55–59	0	34	0	0	0	0	0	0	0	0	0	0	0		
60–64	0	0	0	0	0	34	0	33	32	0	0	33	33		
65–69	90	46	90	0	41	39	0	36	72	70	0	34	34		
70–74	211	303	389	47	141	0	97	94	45	129	0	118	118	-14.3 *	267.6
75–84	1,244	1,396	1,001	836	685	734	386	405	686	607	316	219	219	-12.3 **	-35.8
85+	9,004	8,094	7,024	6,606	4,397	3,361	3,538	2,200	3,017	3,369	2,777	1,965	1,965	-12.6 **	-0.5
All ages: Crude and age-standardised rates (per million population)															
Crude	123	126	112	94	73	63	54	44	64	68	46	39	39		
Age std	134	133	115	90	69	59	48	40	56	58	35	31	31	-12.7 **	-0.1
Age 25–74: Crude and age-standardised rates (per million population)															
Crude	16	21	29	3	10	5	5	9	9	11	0	10	10		
Age std	17	21	29	2	10	5	5	10	10	11	0	11	11		

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

**ICD-9: 441–444
Peripheral vascular disease**
**Western Australia
Males and females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests	
													Trend	RD
Males														
Deaths (number)														
< 25	0	0	0	0	0	0	0	0	0	1	0	0		
25–34	0	0	0	0	0	0	0	0	1	0	0	0		
35–44	0	0	0	1	1	1	1	1	2	0	0	0		
45–54	3	0	1	4	2	1	3	3	2	1	3	4		
55–59	3	6	5	2	6	2	1	0	1	1	1	4		
60–64	6	5	5	11	4	7	5	8	4	11	5	8		
65–69	20	10	12	16	12	13	11	10	15	15	11	10		
70–74	14	21	11	20	27	23	17	8	12	19	22	8		
75–84	20	37	32	40	28	34	42	42	30	33	41	37		
85+	12	3	8	14	14	9	12	9	18	15	21	19		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	46	42	34	54	52	47	38	30	37	47	42	34		
All ages	78	82	74	108	94	90	92	81	85	96	104	90		
Age-specific rates (per million population)														
< 25	0	0	0	0	0	0	0	0	0	3	0	0		
25–34	0	0	0	0	0	0	0	0	7	0	0	0		
35–44	0	0	0	9	9	8	8	8	15	0	0	0		
45–54	44	0	14	55	26	13	36	34	22	10	30	38	0.9	59.8
55–59	99	193	157	62	184	61	31	0	30	30	28	108	-12.1 *	480.2 *
60–64	243	189	183	388	137	235	164	258	127	349	159	254	0.0	20.2
65–69	1,045	532	621	779	548	552	437	388	568	552	395	352	-6.5 *	-9.2
70–74	907	1,305	663	1,177	1,576	1,370	1,028	465	662	989	1,077	368	-4.6 *	-59.1 *
75–84	1,316	2,335	1,948	2,327	1,569	1,838	2,189	2,102	1,460	1,569	1,931	1,721	-0.9	-3.5
85+	5,477	1,291	3,066	4,786	4,616	2,685	3,324	2,350	4,470	3,440	4,494	3,846	0.9	0.4
All ages: Crude and age-standardised rates (per million population)														
Crude	113	117	103	147	125	116	116	100	103	115	123	105		
Age std	182	171	156	217	183	167	169	141	147	156	167	139	-2.1 **	-7.9 **
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	123	110	86	132	123	108	84	65	79	98	86	69		
Age std	150	131	103	158	149	134	105	78	94	118	101	77	-4.5 **	-18.2 **
Females														
Deaths (number)														
< 25	0	1	1	0	0	0	0	0	0	0	0	0		
25–34	0	0	1	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	1	0	0	0	0	1		
45–54	0	0	3	1	1	0	1	0	1	0	1	0		
55–59	0	2	0	0	2	1	0	1	1	0	0	2		
60–64	2	3	3	2	8	3	3	2	0	6	4	1		
65–69	4	1	2	3	6	1	1	3	6	5	6	3		
70–74	7	9	9	7	2	10	3	13	6	2	6	10		
75–84	20	16	25	26	19	19	15	24	20	28	29	24		
85+	18	16	12	17	21	22	26	28	23	24	31	32		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	13	15	18	13	19	15	9	19	14	13	17	17		
All ages	51	48	56	56	59	56	50	71	57	65	77	73		
Age-specific rates (per million population)														
< 25	0	3	3	0	0	0	0	0	0	0	0	0		
25–34	0	0	8	0	0	0	0	0	0	0	0	0		
35–44	0	0	0	0	0	0	8	0	0	0	0	7		
45–54	0	0	45	15	14	0	13	0	12	0	11	0		
55–59	0	68	0	0	65	32	0	32	31	0	0	56		
60–64	77	110	108	70	276	102	100	66	0	194	130	33	-2.5	-72.0
65–69	180	46	90	130	245	39	37	109	215	176	206	102	3.4	-44.5
70–74	369	454	437	330	94	474	145	611	272	86	247	392	-3.2	76.9
75–84	922	698	1,043	1,036	723	697	527	810	653	895	915	749	-1.0	-1.9
85+	3,241	2,755	1,916	2,441	2,885	2,844	3,172	3,242	2,570	2,527	3,074	2,994	0.9	2.5
All ages: Crude and age-standardised rates (per million population)														
Crude	75	70	80	77	80	74	64	89	70	79	92	86		
Age std	83	73	82	78	80	71	60	84	65	72	82	72	-0.8 **	0.9
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	36	40	47	33	46	35	20	42	30	28	36	35		
Age std	37	39	47	34	49	37	22	46	33	31	38	35	-1.6 **	5.4

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

**ICD-9: 415–427, 429, 446–459
Other diseases of the circulatory system**
**Western Australia
Males and females**

Age group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Statistical tests	
													Trend	RD
Males														
Deaths (number)														
< 25	2	3	2	4	2	2	4	1	2	3	7	4		
25–34	7	3	1	4	0	6	2	7	3	5	10	3		
35–44	8	0	6	2	4	5	6	7	5	5	5	3		
45–54	11	18	9	10	10	12	12	9	9	13	13	12		
55–59	9	7	12	16	8	8	4	14	3	7	11	9		
60–64	12	14	14	14	16	13	10	16	21	11	18	11		
65–69	10	14	14	17	14	19	13	15	19	14	23	15		
70–74	14	14	19	20	17	14	11	18	25	14	22	8		
75–84	30	44	42	53	29	36	42	33	45	40	57	44		
85+	12	20	24	15	19	23	12	19	29	20	28	25		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	71	70	75	83	69	77	58	86	85	69	102	61		
All ages	115	137	143	155	119	138	116	139	161	132	194	134		
Age-specific rates (per million population)														
< 25	7	10	7	13	6	6	12	3	6	9	21	12	5.4	–3.8
25–34	58	25	8	32	0	45	15	51	22	37	74	22	3.7	–53.8
35–44	83	0	57	18	35	41	48	54	38	38	37	22	–2.6	–42.9
45–54	162	259	126	136	131	152	144	103	99	135	128	113	–4.5	6.7
55–59	296	225	378	492	246	245	122	427	91	207	311	244	–3.2	10.3
60–64	486	529	512	494	550	436	329	515	669	349	572	350	–1.2	–29.5
65–69	522	745	724	827	640	807	517	581	719	515	826	529	–1.0	–21.3
70–74	907	870	1,145	1,177	992	834	665	1,046	1,378	729	1,077	368	–2.6	–63.5 *
75–84	1,975	2,777	2,557	3,083	1,625	1,946	2,189	1,652	2,191	1,902	2,685	2,047	–1.3	–1.2
85+	5,477	8,610	9,199	5,128	6,264	6,862	3,324	4,961	7,201	4,587	5,992	5,061	–3.1	0.2
All ages: Crude and age-standardised rates (per million population)														
Crude	166	195	200	211	158	178	146	171	196	158	230	157		
Age std	243	300	301	294	224	249	197	226	266	204	290	198	–2.0 **	–14.7 **
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	190	183	191	203	164	177	129	186	181	145	210	123		
Age std	207	205	214	228	186	199	146	210	210	159	231	131		
Females														
Deaths (number)														
< 25	2	1	4	1	0	1	1	3	6	4	2	3		
25–34	2	3	4	4	0	2	2	4	1	4	1	1		
35–44	2	3	2	7	2	4	4	2	7	1	7	6		
45–54	3	6	2	4	5	5	3	3	6	6	7	7		
55–59	3	6	2	4	5	4	6	3	8	5	5	1		
60–64	3	9	9	6	5	6	5	7	9	10	7	6		
65–69	8	3	6	6	11	5	12	13	15	7	8	9		
70–74	11	4	17	8	8	11	14	12	21	19	17	13		
75–84	42	34	41	51	41	47	41	44	40	53	53	48		
85+	51	51	44	42	39	39	45	44	56	62	68	57		
Not stated	0	0	0	0	0	0	0	0	0	0	0	0		
25–74	32	34	42	39	36	37	46	44	67	52	52	43		
All ages	127	120	131	133	116	124	133	135	169	171	175	151		
Age-specific rates (per million population)														
< 25	7	3	14	3	0	3	3	10	19	13	6	10	7.5	–20.1
25–34	17	26	33	32	0	15	15	29	7	30	7	7	–6.3	–48.4
35–44	22	32	20	68	18	35	33	16	54	8	53	45	2.8	23.0
45–54	47	92	30	58	70	68	39	37	71	67	75	71	2.0	8.2
55–59	104	205	67	132	163	130	192	95	251	153	147	28	–1.1	–84.2
60–64	116	330	323	210	173	204	167	229	291	324	228	195	0.7	–25.9
65–69	360	138	270	260	450	193	440	472	537	246	275	306	2.0	–22.8
70–74	579	202	826	378	376	521	676	564	951	818	700	510	4.2	–40.5
75–84	1,935	1,483	1,711	2,031	1,560	1,724	1,439	1,486	1,306	1,694	1,673	1,498	–1.5	0.3
85+	9,184	8,783	7,024	6,032	5,359	5,042	5,490	5,095	6,257	6,528	6,744	5,333	–2.8 *	–2.8
All ages: Crude and age-standardised rates (per million population)														
Crude	187	174	186	184	156	163	170	169	208	207	210	178		
Age std	205	185	192	184	156	159	165	161	198	190	185	155	–0.9 **	–11.5 **
Ages 25–74: Crude and age-standardised rates (per million population)														
Crude	88	91	109	98	87	87	105	97	145	111	109	88		
Age std	90	92	110	100	92	91	111	104	154	117	112	91		

Trend: Estimated annual change (%).

RD: Relative difference between observed and projected rate for 1994, as % of projected value.

Significance level: *p < 0.05, **p < 0.01.

Total deaths for residual causes

**Western Australia
Males and females**

Total number of deaths classified by year and sex for causes of death which do not meet the criteria for a full mortality surveillance profile.

ICD-9: 390–398

Rheumatic fever and rheumatic heart disease

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Males	11	11	10	9	10	8	12	17	16	12	13	13
Females	18	31	27	29	20	15	24	27	17	22	16	18