

# Appendix 2: Case fatality rates

Table A4: Pre-hospital case fatality and estimated average annual percentage change, 1985–93

Age group (years)	Centre	1985–87	1988–90	1991–93	Estimated annual percentage change (95% CI)
Per cent					
<b>Men</b>					
35–44	Perth	22.0	15.0	21.4	0.1 (–1.0, 1.3)
	Newcastle	21.7	21.1	18.5	–0.5 (–2.2, 1.2)
45–54	Perth	23.6	21.9	22.8	–0.2 (–0.9, 0.6)
	Newcastle	27.7	26.8	23.9	–0.8 (–1.9, 0.3)
55–64	Perth	30.9	30.6	27.0	–0.7 (–1.3, –0.1)
	Newcastle	32.8	32.1	32.3	–0.1 (–0.9, 0.7)
65–69	Newcastle	38.5	36.6	34.4	–0.9 (–1.9, 0.1)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>28.1</b>	<b>26.8</b>	<b>25.3</b>	<b>–0.4 (–0.9, 0.0)</b>
	<b>Newcastle</b>	<b>30.4</b>	<b>29.6</b>	<b>28.8</b>	<b>–0.3 (–1.0, 0.3)</b>
<b>Women</b>					
35–44	Perth	21.1	30.8	21.4	–1.0 (–5.0, 3.0)
	Newcastle	34.6	30.8	23.5	–2.1 (–6.5, 2.3)
45–54	Perth	26.7	24.3	10.7	–2.3 (–4.1, –0.4)
	Newcastle	27.4	16.9	25.7	0.0 (–2.1, 2.1)
55–64	Perth	30.7	28.2	25.3	–1.1 (–2.2, 0.0)
	Newcastle	28.1	23.3	25.2	–0.7 (–1.8, 0.5)
65–69	Newcastle	28.9	29.5	24.0	–1.0 (–2.3, 0.4)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>28.8</b>	<b>27.4</b>	<b>21.0</b>	<b>–1.4 (–2.3, –0.4)</b>
	<b>Newcastle</b>	<b>28.5</b>	<b>22.2</b>	<b>25.2</b>	<b>–0.6 (–1.6, 0.4)</b>

(a) Age-standardised to the 1991 Australian population.

Table A5: Case fatality for those hospitalised and estimated average annual percentage change, 1985–93

Age group (years)	Centre	1985–87	1988–90	1991–93	Estimated annual percentage change (95% CI)
Per cent					
<b>Men</b>					
35–44	Perth	5.4	8.0	3.4	–0.2 (–1.0, 0.6)
	Newcastle	10.6	5.6	8.0	–0.8 (–2.1, 0.5)
45–54	Perth	9.8	9.5	7.6	–0.3 (–0.9, 0.3)
	Newcastle	11.0	11.2	8.5	–0.6 (–1.5, 0.3)
55–64	Perth	18.6	19.8	19.8	0.3 (–0.3, 0.9)
	Newcastle	21.3	20.5	14.8	–1.0 (–1.8, –0.2)
65–69	Newcastle	33.3	31.1	20.6	–2.3 (–3.5, –1.2)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>15.0</b>	<b>15.9</b>	<b>15.0</b>	<b>0.1 (–0.3, 0.5)</b>
	<b>Newcastle</b>	<b>17.5</b>	<b>16.6</b>	<b>12.4</b>	<b>–0.8 (–1.4, –0.3)</b>
<b>Women</b>					
35–44	Perth	20.0	16.7	18.2	–0.9 (–4.9, 3.0)
	Newcastle	11.8	5.6	15.4	–0.2 (–3.9, 3.5)
45–54	Perth	20.3	17.2	18.7	–0.1 (–2.1, 1.9)
	Newcastle	27.9	5.6	15.4	–2.6 (–4.7, –0.4)
55–64	Perth	30.2	21.8	31.4	0.2 (–1.1, 1.5)
	Newcastle	24.3	25.9	21.4	–0.7 (–2.0, 0.7)
65–69	Newcastle	32.0	36.6	19.1	–2.2 (–3.8, –0.6)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>26.5</b>	<b>21.1</b>	<b>26.7</b>	<b>0.1 (–1.0, 1.1)</b>
	<b>Newcastle</b>	<b>24.2</b>	<b>18.5</b>	<b>19.2</b>	<b>–1.1 (–2.2, 0.1)</b>

(a) Age-standardised to the 1991 Australian population.

**Table A6: Case fatality for those who were admitted to hospital and survived at least 24 hours, and estimated average annual percentage change, 1985–93**

Age group (years)	Centre	1985–87	1988–90	1991–93	Estimated annual percentage change (95% CI)
<b>Per cent</b>					
<b>Men</b>					
35–44	Perth	2.0	6.4	1.2	0.1 (–0.4, 0.5)
	Newcastle	6.7	4.5	2.8	–0.6 (–1.7, 0.4)
45–54	Perth	5.8	6.2	5.1	–0.2 (–0.6, 0.2)
	Newcastle	6.3	6.7	4.4	–0.4 (–1.1, 0.3)
55–64	Perth	12.4	15.4	13.1	–0.3 (–0.7, 0.2)
	Newcastle	13.2	13.6	9.6	–0.5 (–1.2, 0.2)
65–69	Newcastle	21.1	16.7	13.7	–1.2 (–2.3, –0.2)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>9.2</b>	<b>10.9</b>	<b>8.9</b>	<b>0.0 (–0.4, 0.3)</b>
	<b>Newcastle</b>	<b>10.7</b>	<b>10.9</b>	<b>7.3</b>	<b>–0.5 (–1.0, 0.0)</b>
<b>Women</b>					
35–44	Perth	14.3	5.9	20.0	–1.2 (–4.4, 2.0)
	Newcastle	0.0	0.0	15.4	2.1 (–0.5, 4.6)
45–54	Perth	7.6	11.1	12.7	–0.1 (–1.4, 1.3)
	Newcastle	13.7	0.0	13.7	–0.4 (–2.2, 1.4)
55–64	Perth	24.6	18.2	27.8	0.1 (–1.0, 1.3)
	Newcastle	16.3	18.6	11.7	–0.7 (–2.0, 0.5)
65–69	Newcastle	22.1	19.3	11.5	–1.6 (–3.0, –0.2)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>17.5</b>	<b>13.6</b>	<b>19.8</b>	<b>0.4 (–0.5, 1.4)</b>
	<b>Newcastle</b>	<b>14.1</b>	<b>11.8</b>	<b>12.6</b>	<b>–0.5 (–1.5, 0.5)</b>

(a) Age-standardised to the 1991 Australian population.

Table A7: Total case fatality and estimated average annual percentage change, 1985–93

Age group (years)	Centre	1985–87	1988–90	1991–93	Estimated annual percentage change (95% CI)
Per cent					
<b>Men</b>					
35–44	Perth	26.2	21.8	24.1	0.0 (–1.3, 1.3)
	Newcastle	30.0	25.4	25.0	–1.1 (–3.0, 0.8)
45–54	Perth	31.1	29.3	28.6	–0.4 (–1.2, 0.5)
	Newcastle	35.6	35.0	30.3	–1.1 (–2.3, 0.0)
55–64	Perth	43.7	44.3	41.4	–0.3 (–0.9, 0.3)
	Newcastle	47.2	46.0	42.3	–0.8 (–1.6, 0.1)
65–69	Newcastle	59.0	56.3	47.9	–2.1 (–3.1, –1.1)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>38.7</b>	<b>38.2</b>	<b>36.4</b>	<b>–0.3 (–0.8, 0.2)</b>
	<b>Newcastle</b>	<b>42.5</b>	<b>41.1</b>	<b>37.5</b>	<b>–0.9 (–1.6, –0.2)</b>
<b>Women</b>					
35–44	Perth	36.8	42.3	35.7	–1.6 (–6.1, 2.9)
	Newcastle	42.3	34.6	35.3	–2.0 (–6.7, 2.7)
45–54	Perth	41.6	37.4	27.4	–1.9 (–4.1, 0.3)
	Newcastle	47.6	21.5	37.1	–1.9 (–4.2, 0.5)
55–64	Perth	51.6	43.9	48.7	–0.7 (–1.9, 0.5)
	Newcastle	45.6	43.1	41.3	–1.0 (–2.3, 0.4)
65–69	Newcastle	51.7	55.3	38.5	–2.3 (–3.8, –0.8)
<b>35–64<sup>(a)</sup></b>	<b>Perth</b>	<b>47.6</b>	<b>42.0</b>	<b>41.7</b>	<b>–1.0 (–2.0, 0.1)</b>
	<b>Newcastle</b>	<b>45.9</b>	<b>36.5</b>	<b>39.6</b>	<b>–1.2 (–2.4, –0.1)</b>

(a) Age-standardised to the 1991 Australian population.