



1999

3311.6

# DEMOGRAPHY

TASMANIA

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- For further information about these and related statistics, contact the National Information Service on 1300 135 070, or Stuart Commin on Hobart 03 6222 5835.

## NOTES

### ABOUT THIS PUBLICATION

This publication brings together population, births, deaths, migration, marriages, and divorces statistics for Tasmania.

### ABOUT THIS ISSUE

This publication contains rates for births, marriages and divorces calculated using preliminary estimates for Australia, State and Territory populations as at 30 June 1999. Rates for deaths were calculated using revised estimates.

Final figures for births and deaths may differ slightly from those used to compile natural increase for population estimates because it is necessary to use preliminary births and deaths data when producing population estimates.

In commentary based on the statistics in this publication, it is recommended that the relevant statistics be rounded. All data are affected by errors in reporting and processing. Registered birth, death, marriage and divorce data are also affected by delays in registration. These data, and overseas arrival and departure data, have had small values randomised to protect confidentiality. No reliance should be placed on statistics with small values.

### SYMBOLS AND OTHER USAGES

|      |  |
|------|--|
| ABS  | Australian Bureau of Statistics  |
| B    | Borough  |
| C    | City   |
| ERP  | Estimated Resident Population  |
| ICD  | International Classification of Diseases   |
| M    | Municipality   |
| n.p. | not available for publication but included in totals where applicable                    |
| NSW  | New South Wales  |
| NT   | Northern Territory   |
| RC   | Rural City   |
| S    | Shire  |
| SA   | South Australia  |
| SACC | Standard Australian Classification of Countries  |
| SD   | Statistical Division   |
| SDR  | Standardised death rate  |
| SLA  | Statistical Local Area   |
| SSD  | Statistical Subdivision  |
| T    | Town   |
| TFR  | Total Fertility Rate   |
| ..   | not applicable   |
| —    | nil or rounded to zero (including null cells). See paragraph 38 of the Explanatory Notes |

Stevan R. Matheson  
Regional Director

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## SECTION 1

## DEMOGRAPHIC SUMMARY .....

### ESTIMATED RESIDENT POPULATION

The estimated resident population of Tasmania at December 1999 was 470,749. This was an increase of 3% over the last ten years.

The median age of people resident in Tasmania at 30 June 1999 was 36.0 years, 4.2 years higher than the 30 June 1989 median (31.8 years). Compared to the 30 June 1999 Australian median, the Tasmanian figure was 1.1 years higher.

The fastest growing States and Territories in the twelve months to 31 December 1999 were Western Australia, the Northern Territory, and Queensland which recorded increases of 1.4%, 1.5%, and 1.6% respectively, while Tasmania recorded a small decrease. Tasmania was the only one of Australia's States and Territories to experience a decrease.

### REGIONAL POPULATION

In 1999, the Greater Hobart Statistical Division contained 41% of the Tasmanian population, with the Northern Statistical Division containing 28%, the Mersey-Lyell Statistical Division containing 23%, and the Southern Statistical Division containing the remaining 7%.

The highest total fertility rate (the average total fertility rate over the three years 1997 to 1999), was recorded in the Southern Statistical Division (2.217), and the lowest rate was recorded in the Greater Hobart Statistical Division (1.685).

In 1999, 2,467 births were registered to mothers resident in the Greater Hobart Statistical Division, whilst in the Northern and Mersey-Lyell Statistical Division 1,717 and 1,345 births were registered to mothers resident in those divisions.

The highest indirect standardised death rate (which relates the number of deaths per 1,000 population to a standard population) was recorded in the Greater Hobart Statistical Division (6.7 per 1,000 population) with the lowest rate being recorded in both the Northern Statistical Division and the Southern Statistical Division (6.3 per 1,000 population).

In 1999, 1,581 deaths were registered in the Hobart Statistical Division, whilst 1,111 were registered in the Northern Statistical Division, and 834 in the Mersey-Lyell Statistical Division.

### OVERSEAS MIGRATION

In 1999, Tasmania experienced a negligible gain from overseas migration (13), (permanent and long term). The total gain for Australia in 1999 was 88,352 with all States and Territories except the Australian Capital Territory experiencing a net overseas migration gain.

In 1999, the highest net overseas migration figure was recorded in the 15–19 year age group (72), whilst the lowest net figure was recorded in the 25–29 age group (–46).

## INTERSTATE MIGRATION

More people chose to leave for other parts of Australia than chose to settle in Tasmania in 1999. The net interstate migration figure was –3,191 persons. Conversely, Queensland experienced by far the highest net interstate migration gain with a figure of 17,585 persons. Interstate arrivals to Tasmania have remained relatively stable over the past 10 years, whereas interstate departures have increased each year up until 1999. In 1999, 15,023 people left Tasmania to settle interstate.

In 1999, the highest net interstate migration gain was recorded in the 55–59 year age group (68), whilst the highest net loss was recorded in the 20–24 year age group (–802).

## BIRTHS AND CONFINEMENTS

In 1999 there were 6,032 births registered in Tasmania. This was an increase of 1% on the number registered in the previous year, but 11% lower than the figure recorded in 1989.

In 1999, the total fertility rate in Tasmania was 1.872 children per woman compared with 1.745 children for Australia. Of all Australian States and Territories only the Northern Territory (2.153 children per woman) had a higher total fertility rate than Tasmania in 1999. The total fertility rate in Tasmania was 1% lower than in 1989 (1.899 children per woman).

The peak age group for mothers giving birth in Tasmania remained the same as that for Australian mothers, 25–29 years. However the birth rate for this group was higher in Tasmania than the Australian rate.

## DEATHS

There were 3,783 deaths registered in Tasmania in 1999, compared to 128,102 in Australia as a whole. Tasmania's standardised death rate was 6.5 per 1,000 of population, second only to the Northern Territory with 8.7 per 1,000 population, and higher than the Australian rate of 5.9 per 1,000 population.

In 1999, 46 infant deaths were recorded in Tasmania, with a rate of 7.6 per 1,000 live births, higher than the Australian rate of 5.7, and second only to the Northern Territory (11.7 per 1,000 live births).

## MARRIAGES

There were 2,499 marriages registered in Tasmania in 1999. This was nearly 20% less than the number registered in 1989.

In 1999, the crude marriage rate of 5.3 per 1,000 population was the lowest rate recorded in Tasmania since 1896.

The median marriage age for men and women was 30.5 years for men and 28.3 years for women. This was 2.9 years higher than in 1989 for men and 3.2 years higher than in 1989 for women. When compared with Australia, the Tasmanian medians for both men and women were 0.4 years higher.

## DIVORCES

In Tasmania in 1999 there were 1,391 divorces granted, compared with 1,269 in 1989. Men and women divorcing in 1999 were older than men and women divorcing in 1989. In 1999, the median age at divorce was 41.0 years for men and 38.7 years for women. The comparative medians in 1989 were 36.9 years and 34.2 years respectively. The largest number of divorces registered in Tasmania in 1999 occurred where both parties were in the 35–39 year age group.

In 1999, the Tasmanian crude divorce rate was 3.0 per 1,000 population, slightly higher than the figure recorded in 1989 (2.8 per 1,000 population). By comparison the Australian crude divorce rate in 1999 was 2.8 per 1,000 population.

## 1.1 DEMOGRAPHIC SUMMARY(a), States and Territories—31 December 1999

|  | NSW     | Vic.    | Qld     | SA      | WA      | Tas.   | NT    | ACT   | Aust.(b) |
|--|---------|---------|---------|---------|---------|--------|-------|-------|----------|
| POPULATION   |         |         |         |         |         |        |       |       |          |
| Estimated resident population ('000)                 | 6 433.6 | 4 736.7 | 3 536.3 | 1 496.2 | 1 871.0 | 470.7  | 194.3 | 310.0 | 19 052.0 |
| Components of population change(c)                   |         |         |         |         |         |        |       |       |          |
| Natural increase(d)                                  | 42 315  | 26 617  | 23 664  | 6 807   | 14 095  | 2 375  | 2 762 | 2 788 | 121 450  |
| Net overseas migration(e)                            | 37 914  | 20 670  | 14 532  | 2 931   | 12 196  | 13     | 964   | -851  | 88 352   |
| Net interstate migration                             | -15 182 | 5 348   | 17 585  | -3 437  | 10      | -3 191 | -783  | -350  | ..       |
| Total increase                                       | 65 047  | 52 635  | 55 781  | 6 301   | 26 301  | -803   | 2 943 | 1 587 | 209 802  |
| Growth rate (%)                                      | 1.0     | 1.1     | 1.6     | 0.4     | 1.4     | -0.2   | 1.5   | 0.5   | 1.1      |
| Estimated resident households at 30 June 1999 ('000) | 2 402.5 | 1 747.6 | 1 338.4 | 609.8   | 719.0   | 186.3  | 64.7  | 117.3 | 7 185.5  |
| BIRTHS AND CONFINEMENTS                              |         |         |         |         |         |        |       |       |          |
| Live births  |         |         |         |         |         |        |       |       |          |
| Number   | 86 784  | 58 875  | 46 503  | 17 958  | 24 849  | 6 032  | 3 576 | 4 253 | 248 870  |
| Crude birth rate                                     | 13.5    | 12.5    | 13.2    | 12.0    | 13.4    | 12.8   | 18.5  | 13.7  | 13.1     |
| Total fertility rate                                 | 1.811   | 1.623   | 1.764   | 1.702   | 1.761   | 1.872  | 2.153 | 1.678 | 1.745    |
| Female net reproduction rate                         | 0.875   | 0.782   | 0.848   | 0.823   | 0.855   | 0.912  | 1.031 | 0.829 | 0.842    |
| All confinements                                     |         |         |         |         |         |        |       |       |          |
| Number   | 85 494  | 57 891  | 45 874  | 17 675  | 24 485  | 5 931  | 3 531 | 4 188 | 245 108  |
| Median age of mother (years)                         | 29.6    | 30.4    | 28.9    | 29.9    | 29.4    | 28.6   | 27.5  | 30.2  | 29.7     |
| Nuptial confinements                                 |         |         |         |         |         |        |       |       |          |
| Number   | 62 168  | 44 319  | 30 384  | 12 151  | 16 189  | 3 547  | 1 413 | 3 059 | 173 263  |
| Median age of mother (years)                         | 30.5    | 31.0    | 30.2    | 30.9    | 30.6    | 30.2   | 30.2  | 30.9  | 30.6     |
| Median age of father (years)                         | 33.1    | 33.2    | 32.4    | 33.3    | 33.0    | 32.6   | 32.7  | 33.1  | 33.0     |
| First nuptial confinements                           |         |         |         |         |         |        |       |       |          |
| Number   | 26 316  | 19 007  | 12 345  | 5 148   | 6 624   | 1 516  | 610   | 1 248 | 72 828   |
| Median age of mother (years)                         | 29.2    | 29.7    | 28.9    | 29.7    | 29.3    | 28.7   | 29.2  | 29.4  | 29.3     |
| DEATHS   |         |         |         |         |         |        |       |       |          |
| Number   | 45 215  | 31 918  | 22 849  | 11 291  | 10 877  | 3 783  | 832   | 1 331 | 128 102  |
| Crude death rate                                     | 7.1     | 6.8     | 6.5     | 7.6     | 5.9     | 8.0    | 4.3   | 4.3   | 6.8      |
| Standardised death rate                              | 5.9     | 5.7     | 6.0     | 5.7     | 5.7     | 6.5    | 8.7   | 5.4   | 5.9      |
| Median age at death (years)                          |         |         |         |         |         |        |       |       |          |
| Males  | 74.8    | 75.2    | 74.2    | 75.8    | 74.3    | 75.4   | 55.5  | 72.3  | 74.8     |
| Females  | 81.3    | 81.8    | 81.2    | 82.2    | 81.5    | 80.5   | 61.7  | 79.5  | 81.4     |
| Infant deaths  |         |         |         |         |         |        |       |       |          |
| Number   | 504     | 331     | 266     | 78      | 117     | 46     | 42    | 24    | 1 408    |
| Rate   | 5.8     | 5.6     | 5.7     | 4.3     | 4.7     | 7.6    | 11.7  | 5.6   | 5.7      |
| Perinatal deaths                                     |         |         |         |         |         |        |       |       |          |
| Number   | 705     | 543     | 385     | 119     | 208     | 65     | 58    | 50    | 2 133    |
| Rate   | 8.1     | 9.2     | 8.2     | 6.6     | 8.3     | 10.7   | 16.1  | 11.7  | 8.5      |

(a) See Glossary for definitions of terms used.

(b) Population, births, confinements and deaths data include Jervis Bay Territory, Christmas Island and Cocos (Keeling) Islands.

(c) From previous year.

(d) Births and deaths figures used to compile natural increase for population estimates are based on year of occurrence and may differ from births and deaths data based on year of registration in the Births, Confinements and Deaths sections of this table, and in Sections 3 and 4.

(e) Includes category jumping.

1.1 DEMOGRAPHIC SUMMARY(a), States and Territories—31 December 1999 *continued*

|   | NSW     | Vic.   | Qld    | SA     | WA     | Tas.   | NT     | ACT     | Aust.(b) |
|---|---------|--------|--------|--------|--------|--------|--------|---------|----------|
| MIGRATION   |         |        |        |        |        |        |        |         |          |
| Overseas migration  |         |        |        |        |        |        |        |         |          |
| Arrivals  | 120 884 | 65 705 | 47 037 | 12 045 | 33 616 | 2 084  | 2 408  | 6 072   | 289 874  |
| Departures  | 77 050  | 40 859 | 29 866 | 8 356  | 19 624 | 1 969  | 1 341  | 6 559   | 185 664  |
| Category jumping  | -5 920  | -4 176 | -2 639 | -758   | -1 796 | -102   | -103   | -364    | -15 858  |
| Interstate migration  |         |        |        |        |        |        |        |         |          |
| Arrivals  | 90 751  | 69 601 | 94 475 | 27 500 | 31 453 | 11 832 | 15 988 | 19 099  | 360 699  |
| Departures  | 105 933 | 64 253 | 76 890 | 30 937 | 31 443 | 15 023 | 16 771 | 19 449  | 360 699  |
| MARRIAGES   |         |        |        |        |        |        |        |         |          |
| Number registered   | 41 016  | 27 252 | 22 416 | 8 237  | 10 197 | 2 499  | 885    | 1 814   | 114 316  |
| Crude marriage rate   | 6.4     | 5.8    | 6.4    | 5.5    | 5.5    | 5.3    | 4.6    | 5.8     | 6.0      |
| Median age at marriage (years)                                |         |        |        |        |        |        |        |         |          |
| Bridegroom  | 29.9    | 30.0   | 30.1   | 30.3   | 30.5   | 30.5   | 31.7   | 30.4    | 30.1     |
| Bride   | 27.7    | 28.1   | 27.9   | 28.0   | 28.2   | 28.3   | 28.9   | 28.2    | 27.9     |
| DIVORCES  |         |        |        |        |        |        |        |         |          |
| Number granted  | 15 470  | 12 742 | 11 467 | 4 301  | 5 301  | 1 391  | 409    | 1 485   | 52 566   |
| Crude divorce rate  | 2.4     | 2.7    | 3.3    | 2.9    | 2.8    | 3.0    | 2.1    | (c)n.p. | 2.8      |
| Median duration of marriage (years)                           | 10.4    | 11.5   | 11.8   | 12.0   | 11.7   | 12.4   | 11.3   | 11.8    | 11.3     |
| Median interval between marriage and final separation (years) | 7.1     | 8.1    | 8.2    | 8.7    | 8.1    | 8.9    | 6.9    | 8.4     | 7.9      |

(a) See Glossary for definitions of terms used.

(b) Overseas migration data includes Jervis Bay Territory, Christmas Island and Cocos (Keeling) Islands.

(c) See paragraph 27 of the Explanatory Notes.



## 1.2 DEMOGRAPHIC SUMMARY, Statistical Areas(a)

| <i>STATISTICAL DIVISION (SD),<br/>Statistical Subdivision (SSD) and<br/>Statistical Local Area (SLA)</i> | <i>Estimated<br/>mid-year resident<br/>population(b)</i> | <i>Births(c)</i> | <i>Total fertility<br/>rate(d)</i> | <i>Deaths(c)</i> | <i>Indirect<br/>standardised<br/>death rate(e)</i> |
|--|--|------------------|------------------------------------|------------------|--|
| <b>GREATER HOBART (SD)</b>   |  |                  |                                    |                  |  |
| <b>Greater Hobart (SSD)</b>  |  |                  |                                    |                  |  |
| Brighton (M)   | 12 900   | 286              | 2.519                              | 72               | 8.7  |
| Clarence (C)   | 48 947   | 546              | 1.699                              | 372              | 6.1  |
| Derwent Valley (M)—Part A  | 6 719  | 93               | 2.013                              | 55               | 7.5  |
| Glenorchy (C)  | 43 910   | 602              | 1.769                              | 427              | 7.3  |
| Hobart (C)—Inner   | 368  | 23               | 3.650                              | 6                | 8.7  |
| Hobart (C)—Remainder   | 45 813   | 433              | 1.332                              | 427              | 6.6  |
| Kingborough (M)—Part A   | 25 801   | 311              | 1.744                              | 164              | 6.0  |
| Sorell (M)—Part A  | 9 931  | 173              | 2.238                              | 58               | 5.7  |
| <i>Total Greater Hobart (SSD)</i>  | <i>194 389</i>   | <i>2 467</i>     | <i>1.685</i>                       | <i>1 581</i>     | <i>6.7</i>   |
| <i>TOTAL GREATER HOBART (SD)</i>   | <i>194 389</i>   | <i>2 467</i>     | <i>1.685</i>                       | <i>1 581</i>     | <i>6.7</i>   |
| <b>SOUTHERN (SD)</b>   |  |                  |                                    |                  |  |
| <b>Southern (SSD)</b>  |  |                  |                                    |                  |  |
| Central Highlands (M)  | 2 511  | 29               | 2.252                              | 22               | 6.3  |
| Derwent Valley (M)—Part B  | 3 104  | 28               | 1.776                              | 20               | 8.3  |
| Glamorgan/Spring Bay (M)   | 4 179  | 46               | 1.904                              | 24               | 5.1  |
| Huon Valley (M)  | 13 568   | 216              | 2.436                              | 95               | 6.3  |
| Kingborough (M)—Part B   | 2 484  | 40               | 2.439                              | 21               | 6.1  |
| Sorell (M)—Part B  | 1 008  | 12               | 2.883                              | —                | n.p.   |
| Southern Midlands (M)  | 5 616  | 83               | 2.070                              | 41               | 7.6  |
| Tasman (M)   | 2 260  | 16               | 2.300                              | 17               | 6.0  |
| <i>Total Southern (SSD)</i>  | <i>34 730</i>  | <i>470</i>       | <i>2.217</i>                       | <i>242</i>       | <i>6.3</i>   |
| <i>TOTAL SOUTHERN (SD)</i>   | <i>34 730</i>  | <i>470</i>       | <i>2.217</i>                       | <i>242</i>       | <i>6.3</i>   |
| <b>NORTHERN (SD)</b>   |  |                  |                                    |                  |  |
| <b>Greater Launceston (SSD)</b>  |  |                  |                                    |                  |  |
| George Town (M)—Part A   | 5 752  | 67               | 1.903                              | 43               | 7.7  |
| Launceston (C)—Inner   | 244  | —                | n.p.                               | —                | n.p.   |
| Launceston (C)—Part B  | 59 764   | 738              | 1.634                              | 566              | 6.4  |
| Meander Valley (M)—Part A  | 7 157  | 131              | 2.166                              | 37               | 6.1  |
| Northern Midlands (M)—Part A   | 7 213  | 112              | 2.233                              | 55               | 6.9  |
| West Tamar (M)—Part A  | 18 143   | 208              | 1.750                              | 121              | 5.1  |
| <i>Total Greater Launceston (SSD)</i>  | <i>98 273</i>  | <i>1 257</i>     | <i>1.751</i>                       | <i>822</i>       | <i>6.3</i>   |
| <b>Central North (SSD)</b>   |  |                  |                                    |                  |  |
| George Town (M)—Part B   | 1 036  | 18               | 2.698                              | 3                | 4.5  |
| Launceston (C)—Part C  | 2 961  | 32               | 1.826                              | 11               | 5.4  |
| Meander Valley (M)—Part B  | 10 338   | 142              | 2.151                              | 94               | 7.4  |
| Northern Midlands (M)—Part B   | 4 578  | 74               | 2.215                              | 33               | 6.3  |
| West Tamar (M)—Part B  | 1 808  | 21               | 1.683                              | 9                | 4.6  |
| <i>Total Central North (SSD)</i>   | <i>20 721</i>  | <i>287</i>       | <i>2.091</i>                       | <i>150</i>       | <i>6.7</i>   |
| <b>North Eastern (SSD)</b>   |  |                  |                                    |                  |  |
| Break O'Day (M)  | 5 793  | 63               | 1.826                              | 67               | 6.8  |
| Dorset (M)   | 7 424  | 96               | 2.504                              | 59               | 5.9  |
| Flinders (M)   | 958  | 14               | 2.204                              | 13               | 6.0  |
| <i>Total North Eastern (SSD)</i>   | <i>14 175</i>  | <i>173</i>       | <i>2.191</i>                       | <i>139</i>       | <i>6.3</i>   |
| <i>TOTAL NORTHERN (SD)</i>   | <i>133 169</i>   | <i>1 717</i>     | <i>1.824</i>                       | <i>1 111</i>     | <i>6.3</i>   |

(a) The statistical area boundaries used in the compilation of these statistics are those in existence at 1 July 1999.

(b) As at 30 June 1999.

(c) Data are for calendar year 1999.

(d) The average total fertility rate over the three years 1997 to 1999.

(e) The average indirect standardised death rate over the three years 1997 to 1999.

1.2 DEMOGRAPHIC SUMMARY, Statistical Areas(a) *continued*

| <i>STATISTICAL DIVISION (SD),<br/>Statistical Subdivision (SSD) and<br/>Statistical Local Area (SLA)</i> | <i>Estimated<br/>mid-year resident<br/>population(b)</i> | <i>Births(c)</i> | <i>Total fertility<br/>rate(d)</i> | <i>Deaths(c)</i> | <i>Indirect<br/>standardised<br/>death rate(e)</i> |
|--|--|------------------|------------------------------------|------------------|--|
| <b>MERSEY-LYELL (SD)</b>   |  |                  |                                    |                  |  |
| <b>Burnie-Devonport (SSD)</b>  |  |                  |                                    |                  |  |
| Burnie (C)—Part A  | 17 424   | 248              | 2.013                              | 141              | 6.5  |
| Central Coast (M)—Part A   | 17 863   | 181              | 1.849                              | 159              | 6.6  |
| Devonport (C)  | 24 490   | 297              | 2.010                              | 227              | 6.9  |
| Latrobe (M)—Part A   | 7 336  | 81               | 1.756                              | 52               | 6.1  |
| Waratah/Wynyard (M)—Part A   | 11 124   | 129              | 2.050                              | 94               | 7.0  |
| <i>Total Burnie-Devonport (SSD)</i>  | <i>78 237</i>  | <i>936</i>       | <i>1.959</i>                       | <i>673</i>       | <i>6.7</i>   |
| <b>North Western Rural (SSD)</b>   |  |                  |                                    |                  |  |
| Burnie (C)—Part B  | 2 078  | 25               | 2.338                              | 9                | 5.8  |
| Central Coast (M)—Part B   | 3 220  | 37               | 2.196                              | 11               | 4.2  |
| Circular Head (M)  | 8 525  | 124              | 2.221                              | 57               | 6.3  |
| Kentish (M)  | 5 501  | 60               | 1.803                              | 32               | 5.7  |
| King Island (M)  | 1 792  | 25               | 2.276                              | 12               | 5.3  |
| Latrobe (M)—Part B   | 681  | 12               | 2.185                              | —                | n.p.   |
| Waratah/Wynyard (M)—Part B   | 2 779  | 33               | 1.758                              | 7                | 6.0  |
| <i>Total North Western Rural (SSD)</i>   | <i>24 576</i>  | <i>316</i>       | <i>2.041</i>                       | <i>128</i>       | <i>5.6</i>   |
| <b>Lyell (SSD)</b>   |  |                  |                                    |                  |  |
| West Coast (M)   | 5 702  | 93               | 2.261                              | 33               | 8.6  |
| <i>TOTAL MERSEY-LYELL (SD)</i>   | <i>108 515</i>   | <i>1 345</i>     | <i>1.989</i>                       | <i>834</i>       | <i>6.6</i>   |
| <b>TOTAL TASMANIA(f)</b>   | <b>470 803</b>   | <b>6 032</b>     | <b>1.823</b>                       | <b>3 783</b>     | <b>6.5</b>   |

(a) The statistical area boundaries used in the compilation of these statistics are those in existence at 1 July 1999.

(b) As at 30 June 1999.

(c) Data are for calendar year 1999.

(d) The average total fertility rate over the three years 1997 to 1999.

(e) The average indirect standardised death rate over the three years 1997 to 1999.

(f) Includes births and deaths where usual residence was overseas, no fixed abode and Tasmania undefined.

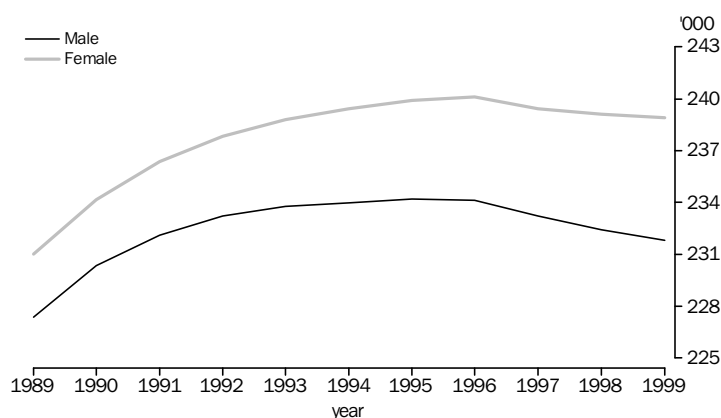
## SECTION 2

## POPULATION .....

At 31 December 1999, Tasmania's estimated resident population was 470,749, a fall of 803 from the previous year, and the lowest December figure since 1991 when the estimated resident population was 468,475. As in 1998, Tasmania was the only one of Australia's States or Territories not to record a population increase in 1999.

The population at 31 December 1999 was 3% higher than the 1989 figure (458,410). Tasmania's annual population change peaked at 6,100 for the year ended 31 December 1990, and has fallen ever since.

### ESTIMATED RESIDENT POPULATION



#### Natural increase

Natural increase (the excess of births over deaths) contributed positively to population change in Tasmania in 1999. There were 2,375 more births than deaths in Tasmania in 1999, compared to 3,123 more births than deaths in 1989. The 1999 natural increase was 1% less than the 2,389 recorded in 1998, but 11% more than the 2,137 recorded in 1997 which remains the lowest figure recorded since 1936 when the figure was 2,194.

#### Interstate movement

In 1999, 3,191 more people left Tasmania for other States/Territories than made their homes in Tasmania. This is a decrease of 889 on the net number of people leaving Tasmania in 1998, and is the first time that there has been a reduction in the interstate migration loss experienced by Tasmania since 1989. The 1999 figure contrasts with the net interstate migration figure recorded in 1990 when 2,169 more people made their homes in Tasmania than left for other States and Territories.

#### Overseas migration

Overseas migration resulted in an estimated net gain of 13 persons in 1999. Following 1997, when there was a net loss of 16 people, this is the smallest net overseas migration gain to Tasmania since separate arrival and departure figures have been recorded. Historically, overseas migration has provided a steady positive component of population growth, with an average net overseas migration of nearly 300 per year between 1990 and 1998.

## Age structure

As at 31 December 1999, the Tasmanian population comprised 231,820 males and 238,929 females., compared with 227,368 males, and 231,042 females in 1989. The ratio of males to females has steadily declined from 98.4 males for every 100 females in 1989, to 97 males for every 100 females in 1999.

As at 30 June 1999, 69,035, or 30% of males, were under 20 years of age, compared with 66,006, or 28% of females. In the 60 years and over age group, the converse occurred with 37,480 or 16% of males and 45,665 or 19% of females.

Males form a higher proportion of the population in the 0–29 year age group (51%). In both the 30–39, and 40–49 year age groups, females form the higher proportions at 51%, and just over 50% respectively. Conversely, in the 50–59 year age group, males form the higher proportion with just over 50% while from the 60 and over age group, the longer life expectancy of females is clearly evident as the proportion of females in the age group increases to 55%. At age 65, 51% are females, rising to 56% at age 75, and 65% at age 85, before peaking at age 95 and over, where 78% are females.

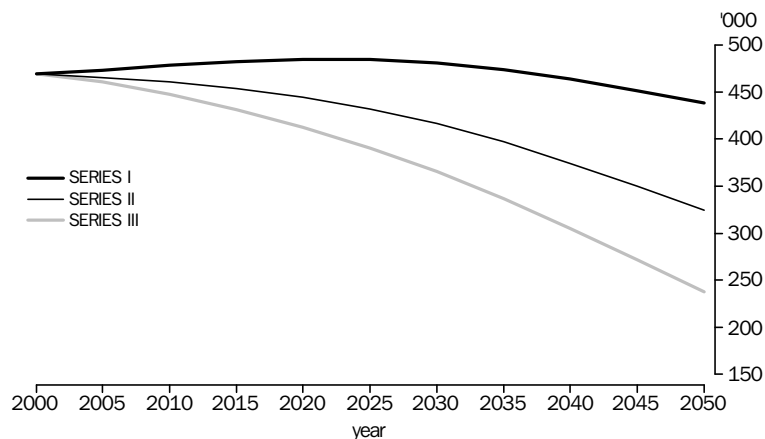
## Population projections

Population projections are based on a combination of assumptions on future levels in births, deaths, and migration to arrive at the size, structure and distribution of Australia's population into the middle of the next century.

Three main projection series have been produced based on assumptions outlined in paragraph 7 of the Explanatory Notes. Tasmania is the only State or Territory where the population is expected to decline under each of the series.

The Tasmanian population is projected to decline by between 7% and 49% to between 438,400 and 238,000 by 2050.

## PROJECTED POPULATION, TASMANIA 2000 TO 2050 (a)



(a) See paragraphs 5 to 7 of the Explanatory Notes

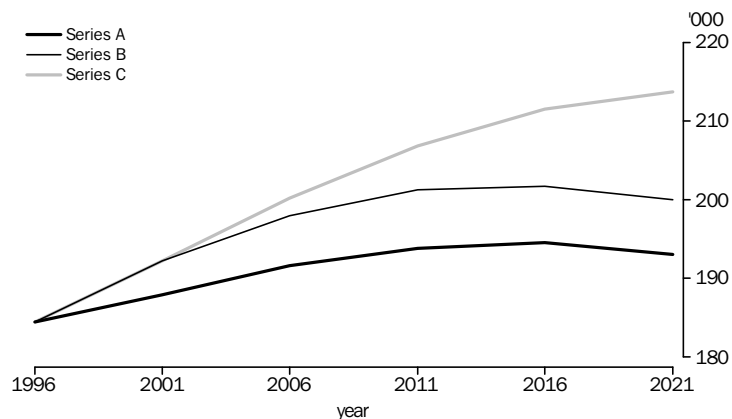
### Projected number of households

The three main household projection series have been produced based on assumptions outlined in paragraph 10 of the Explanatory Notes. Because of the different series used household projections are not comparable with population projections. The number of households in Tasmania is expected to increase by between 5% and 16% to between 193,000 to 213,700 by 2021.

The number of family households is predicted to decline by between 1% and 11% to between 130,900 to 118,000, while the number of lone person households is predicted to increase by between 22% and 87% to between 57,000 and 87,800 by 2021.

Please note that the three series charted below are not comparable with the population projections in the previous section because they use assumptions based on Series K population projections, Australia, 1997–2051. (Series K projected the population of Tasmania at 2021 to be 432,600 and 294,900 at 2051. The underlying assumptions were high overseas migration, moderate interstate migration, and low fertility).

#### PROJECTED HOUSEHOLDS, TASMANIA 1996 TO 2021 (a)



(a) See paragraphs 8 to 10 of the Explanatory Notes

## 2.1 POPULATION, Summary(a)

|  | 1989   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   |
|--|--------|--------|--------|--------|--------|--------|--------|
| <b>Estimated resident population at 31 December ('000)</b> |        |        |        |        |        |        |        |
| Males  | 227.4  | 234.0  | 234.2  | 234.1  | 233.2  | 232.4  | 231.8  |
| Females  | 231.0  | 239.4  | 239.9  | 240.1  | 239.4  | 239.1  | 238.9  |
| Persons  | 458.4  | 473.4  | 474.1  | 474.2  | 472.6  | 471.6  | 470.7  |
| <b>Components of population change(b)</b>                  |        |        |        |        |        |        |        |
| <b>Natural increase(c)</b>                                 |        |        |        |        |        |        |        |
| Births   | 6 813  | 6 883  | 6 560  | 6 337  | 5 974  | 6 087  | 6 103  |
| Deaths   | 3 690  | 3 909  | 3 749  | 3 826  | 3 837  | 3 698  | 3 728  |
| Total  | 3 123  | 2 974  | 2 811  | 2 511  | 2 137  | 2 389  | 2 375  |
| <b>Overseas migration</b>                                  |        |        |        |        |        |        |        |
| Arrivals   | 2 061  | 2 069  | 2 212  | 2 256  | 2 028  | 2 232  | 2 084  |
| Departures   | 1 423  | 1 614  | 1 794  | 1 724  | 1 941  | 1 719  | 1 969  |
| Category jumping   | 118    | -243   | -12    | -76    | -103   | 112    | -102   |
| Net  | 756    | 212    | 406    | 456    | -16    | 625    | 13     |
| <b>Interstate migration</b>                                |        |        |        |        |        |        |        |
| Arrivals   | 12 905 | 9 864  | 10 546 | 11 446 | 10 878 | 11 323 | 11 832 |
| Departures   | 11 149 | 12 292 | 13 277 | 14 540 | 14 617 | 15 403 | 15 023 |
| Net  | 1 756  | -2 428 | -2 731 | -3 094 | -3 739 | -4 080 | -3 191 |
| <b>Total population growth(d)</b>                          |        |        |        |        |        |        |        |
| Number   | 5 629  | 849    | 746    | 100    | -1 618 | -1 066 | -803   |
| Annual growth rate (%)                                     | 1.2    | 0.2    | 0.2    | —      | -0.3   | -0.2   | -0.2   |
| <b>Estimated resident households at 30 June ('000)</b>     |        |        |        |        |        |        |        |
| Hobart   | n.a.   | 74.8   | 75.4   | 75.8   | 77.2   | 78.6   | 77.6   |
| Balance of Tasmania  | n.a.   | 106.5  | 106.9  | 106.9  | 110.1  | 107.2  | 108.6  |
| Total  | n.a.   | 181.3  | 182.3  | 182.7  | 187.3  | 185.8  | 186.3  |

(a) See Glossary for definitions of terms used.

(b) From previous year.

(c) Births and deaths figures used to compile natural increase for population estimates are based on year of occurrence and may differ from births and deaths data based on year of registration in Sections 3 and 4.

(d) Includes intercensal discrepancy not accounted for by natural increase and net migration.

## 2.2 ESTIMATED RESIDENT POPULATION—at 30 June 1999

| Age (years) | Males  | Females | Persons | Age (years)  | Males          | Females        | Persons        |
|-------------|--------|---------|---------|--------------|----------------|----------------|----------------|
| Under 1     | 3 222  | 3 121   | 6 343   | 50           | 3 110          | 3 165          | 6 275          |
| 1           | 3 007  | 2 791   | 5 798   | 51           | 3 304          | 3 188          | 6 492          |
| 2           | 3 150  | 2 999   | 6 149   | 52           | 3 479          | 3 323          | 6 802          |
| 3           | 3 371  | 3 188   | 6 559   | 53           | 2 698          | 2 745          | 5 443          |
| 4           | 3 459  | 3 274   | 6 733   | 54           | 2 690          | 2 664          | 5 354          |
| 0-4         | 16 209 | 15 373  | 31 582  | 50-54        | 15 281         | 15 085         | 30 366         |
| 5           | 3 555  | 3 213   | 6 768   | 55           | 2 685          | 2 604          | 5 289          |
| 6           | 3 440  | 3 279   | 6 719   | 56           | 2 449          | 2 389          | 4 838          |
| 7           | 3 405  | 3 337   | 6 742   | 57           | 2 398          | 2 344          | 4 742          |
| 8           | 3 552  | 3 405   | 6 957   | 58           | 2 326          | 2 279          | 4 605          |
| 9           | 3 608  | 3 357   | 6 965   | 59           | 2 235          | 2 262          | 4 497          |
| 5-9         | 17 560 | 16 591  | 34 151  | 55-59        | 12 093         | 11 878         | 23 971         |
| 10          | 3 513  | 3 354   | 6 867   | 60           | 2 237          | 2 141          | 4 378          |
| 11          | 3 443  | 3 352   | 6 795   | 61           | 2 100          | 2 163          | 4 263          |
| 12          | 3 590  | 3 348   | 6 938   | 62           | 2 023          | 2 050          | 4 073          |
| 13          | 3 544  | 3 486   | 7 030   | 63           | 1 819          | 1 915          | 3 734          |
| 14          | 3 610  | 3 551   | 7 161   | 64           | 1 822          | 1 867          | 3 689          |
| 10-14       | 17 700 | 17 091  | 34 791  | 60-64        | 10 001         | 10 136         | 20 137         |
| 15          | 3 572  | 3 569   | 7 141   | 65           | 1 876          | 1 922          | 3 798          |
| 16          | 3 705  | 3 489   | 7 194   | 66           | 1 799          | 1 908          | 3 707          |
| 17          | 3 601  | 3 494   | 7 095   | 67           | 1 775          | 1 867          | 3 642          |
| 18          | 3 416  | 3 346   | 6 762   | 68           | 1 841          | 1 918          | 3 759          |
| 19          | 3 272  | 3 053   | 6 325   | 69           | 1 736          | 1 835          | 3 571          |
| 15-19       | 17 566 | 16 951  | 34 517  | 65-69        | 9 027          | 9 450          | 18 477         |
| 20          | 3 205  | 3 049   | 6 254   | 70           | 1 665          | 1 864          | 3 529          |
| 21          | 3 086  | 2 845   | 5 931   | 71           | 1 644          | 1 784          | 3 428          |
| 22          | 2 903  | 2 914   | 5 817   | 72           | 1 600          | 1 704          | 3 304          |
| 23          | 3 041  | 2 968   | 6 009   | 73           | 1 518          | 1 758          | 3 276          |
| 24          | 2 928  | 2 974   | 5 902   | 74           | 1 358          | 1 661          | 3 019          |
| 20-24       | 15 163 | 14 750  | 29 913  | 70-74        | 7 785          | 8 771          | 16 556         |
| 25          | 2 947  | 2 955   | 5 902   | 75           | 1 334          | 1 697          | 3 031          |
| 26          | 2 972  | 3 120   | 6 092   | 76           | 1 213          | 1 606          | 2 819          |
| 27          | 3 017  | 3 303   | 6 320   | 77           | 1 144          | 1 585          | 2 729          |
| 28          | 3 289  | 3 375   | 6 664   | 78           | 1 013          | 1 522          | 2 535          |
| 29          | 3 195  | 3 252   | 6 447   | 79           | 932            | 1 364          | 2 296          |
| 25-29       | 15 420 | 16 005  | 31 425  | 75-79        | 5 636          | 7 774          | 13 410         |
| 30          | 3 213  | 3 247   | 6 460   | 80           | 722            | 1 054          | 1 776          |
| 31          | 3 065  | 3 180   | 6 245   | 81           | 683            | 1 093          | 1 776          |
| 32          | 2 863  | 3 162   | 6 025   | 82           | 658            | 1 031          | 1 689          |
| 33          | 2 959  | 3 208   | 6 167   | 83           | 555            | 1 011          | 1 566          |
| 34          | 3 194  | 3 326   | 6 520   | 84           | 474            | 915            | 1 389          |
| 30-34       | 15 294 | 16 123  | 31 417  | 80-84        | 3 092          | 5 104          | 8 196          |
| 35          | 3 420  | 3 596   | 7 016   | 85           | 444            | 810            | 1 254          |
| 36          | 3 483  | 3 639   | 7 122   | 86           | 343            | 680            | 1 023          |
| 37          | 3 620  | 3 716   | 7 336   | 87           | 278            | 631            | 909            |
| 38          | 3 732  | 3 888   | 7 620   | 88           | 203            | 493            | 696            |
| 39          | 3 607  | 3 786   | 7 393   | 89           | 185            | 463            | 648            |
| 35-39       | 17 862 | 18 625  | 36 487  | 85-89        | 1 453          | 3 077          | 4 530          |
| 40          | 3 567  | 3 726   | 7 293   | 90           | 149            | 288            | 437            |
| 41          | 3 694  | 3 624   | 7 318   | 91           | 101            | 251            | 352            |
| 42          | 3 434  | 3 597   | 7 031   | 92           | 70             | 212            | 282            |
| 43          | 3 565  | 3 535   | 7 100   | 93           | 44             | 161            | 205            |
| 44          | 3 368  | 3 458   | 6 826   | 94           | 30             | 121            | 151            |
| 40-44       | 17 628 | 17 940  | 35 568  | 90-94        | 394            | 1 033          | 1 427          |
| 45          | 3 402  | 3 560   | 6 962   | 95 and over  | 92             | 320            | 412            |
| 46          | 3 509  | 3 413   | 6 922   |              |                |                |                |
| 47          | 3 289  | 3 242   | 6 531   | <b>Total</b> | <b>231 976</b> | <b>238 827</b> | <b>470 803</b> |
| 48          | 3 268  | 3 324   | 6 592   |              |                |                |                |
| 49          | 3 252  | 3 211   | 6 463   |              |                |                |                |
| 45-49       | 16 720 | 16 750  | 33 470  |              |                |                |                |

## 2.3 PROJECTED POPULATION, Sex, 2000—2051(a)

| At 30 June | SERIES I..... |         |         | SERIES II..... |         |         | SERIES III..... |         |         |
|------------|---------------|---------|---------|----------------|---------|---------|-----------------|---------|---------|
|            | Males         | Females | Persons | Males          | Females | Persons | Males           | Females | Persons |
| 2000       | 231 236       | 238 115 | 469 441 | 231 268        | 238 062 | 469 330 | 231 268         | 238 062 | 469 330 |
| 2001       | 231 193       | 237 944 | 469 137 | 230 824        | 237 601 | 468 425 | 230 645         | 237 439 | 468 084 |
| 2002       | 231 304       | 238 027 | 469 331 | 230 393        | 237 159 | 467 552 | 229 882         | 236 663 | 466 545 |
| 2003       | 231 695       | 238 362 | 470 057 | 230 011        | 236 745 | 466 756 | 229 005         | 235 767 | 464 772 |
| 2004       | 232 408       | 239 020 | 471 428 | 229 773        | 236 470 | 466 243 | 227 959         | 234 707 | 462 666 |
| 2005       | 233 095       | 239 662 | 472 757 | 229 476        | 236 141 | 465 617 | 226 838         | 233 585 | 460 423 |
| 2006       | 233 768       | 240 273 | 474 041 | 229 125        | 235 756 | 464 881 | 225 659         | 232 387 | 458 046 |
| 2007       | 234 417       | 240 863 | 475 280 | 228 717        | 235 317 | 464 034 | 224 409         | 231 126 | 455 535 |
| 2008       | 235 019       | 241 408 | 476 427 | 228 230        | 234 805 | 463 035 | 223 079         | 229 771 | 452 850 |
| 2009       | 235 589       | 241 911 | 477 500 | 227 691        | 234 230 | 461 921 | 221 678         | 228 351 | 450 029 |
| 2010       | 236 121       | 242 393 | 478 514 | 227 110        | 233 616 | 460 726 | 220 229         | 226 875 | 447 104 |
| 2011       | 236 624       | 242 848 | 479 472 | 226 489        | 232 965 | 459 454 | 218 723         | 225 356 | 444 079 |
| 2012       | 237 084       | 243 292 | 480 376 | 225 813        | 232 294 | 458 107 | 217 165         | 223 796 | 440 961 |
| 2013       | 237 516       | 243 701 | 481 217 | 225 101        | 231 578 | 456 679 | 215 556         | 222 185 | 437 741 |
| 2014       | 237 915       | 244 077 | 481 992 | 224 347        | 230 822 | 455 169 | 213 892         | 220 529 | 434 421 |
| 2015       | 238 264       | 244 433 | 482 697 | 223 540        | 230 033 | 453 573 | 212 178         | 218 824 | 431 002 |
| 2016       | 238 571       | 244 758 | 483 329 | 222 687        | 229 204 | 451 891 | 210 398         | 217 085 | 427 483 |
| 2017       | 238 833       | 245 051 | 483 884 | 221 781        | 228 339 | 450 120 | 208 564         | 215 300 | 423 864 |
| 2018       | 239 049       | 245 299 | 484 348 | 220 823        | 227 424 | 448 247 | 206 665         | 213 468 | 420 133 |
| 2019       | 239 207       | 245 509 | 484 716 | 219 803        | 226 466 | 446 269 | 204 706         | 211 581 | 416 287 |
| 2020       | 239 311       | 245 676 | 484 987 | 218 730        | 225 456 | 444 186 | 202 703         | 209 623 | 412 326 |
| 2021       | 239 369       | 245 788 | 485 157 | 217 599        | 224 392 | 441 991 | 200 622         | 207 623 | 408 245 |
| 2022       | 239 357       | 245 863 | 485 220 | 216 401        | 223 280 | 439 681 | 198 488         | 205 556 | 404 044 |
| 2023       | 239 292       | 245 880 | 485 172 | 215 144        | 222 105 | 437 249 | 196 284         | 203 435 | 399 719 |
| 2024       | 239 155       | 245 850 | 485 005 | 213 821        | 220 870 | 434 691 | 194 005         | 201 259 | 395 264 |
| 2025       | 238 958       | 245 753 | 484 711 | 212 420        | 219 579 | 431 999 | 191 658         | 199 017 | 390 675 |
| 2026       | 238 685       | 245 603 | 484 288 | 210 950        | 218 219 | 429 169 | 189 239         | 196 706 | 385 945 |
| 2027       | 238 346       | 245 380 | 483 726 | 209 405        | 216 792 | 426 197 | 186 744         | 194 329 | 381 073 |
| 2028       | 237 935       | 245 086 | 483 021 | 207 786        | 215 288 | 423 074 | 184 172         | 191 880 | 376 052 |
| 2029       | 237 452       | 244 718 | 482 170 | 206 090        | 213 706 | 419 796 | 181 538         | 189 344 | 370 882 |
| 2030       | 236 889       | 244 285 | 481 174 | 204 323        | 212 043 | 416 366 | 178 833         | 186 729 | 365 562 |
| 2031       | 236 252       | 243 781 | 480 033 | 202 486        | 210 294 | 412 780 | 176 059         | 184 034 | 360 093 |
| 2032       | 235 559       | 243 190 | 478 749 | 200 573        | 208 472 | 409 045 | 173 218         | 181 260 | 354 478 |
| 2033       | 234 813       | 242 513 | 477 326 | 198 592        | 206 568 | 405 160 | 170 312         | 178 410 | 348 722 |
| 2034       | 233 996       | 241 772 | 475 768 | 196 551        | 204 578 | 401 129 | 167 350         | 175 482 | 342 832 |
| 2035       | 233 117       | 240 963 | 474 080 | 194 445        | 202 518 | 396 963 | 164 333         | 172 481 | 336 814 |
| 2036       | 232 191       | 240 079 | 472 270 | 192 286        | 200 383 | 392 669 | 161 266         | 169 412 | 330 678 |
| 2037       | 231 217       | 239 127 | 470 344 | 190 076        | 198 178 | 388 254 | 158 150         | 166 285 | 324 435 |
| 2038       | 230 201       | 238 109 | 468 310 | 187 821        | 195 906 | 383 727 | 154 997         | 163 095 | 318 092 |
| 2039       | 229 147       | 237 030 | 466 177 | 185 527        | 193 572 | 379 099 | 151 819         | 159 841 | 311 660 |
| 2040       | 228 056       | 235 896 | 463 952 | 183 188        | 191 193 | 374 381 | 148 606         | 156 545 | 305 151 |
| 2041       | 226 932       | 234 713 | 461 645 | 180 829        | 188 753 | 369 582 | 145 374         | 153 201 | 298 575 |
| 2042       | 225 774       | 233 487 | 459 261 | 178 438        | 186 275 | 364 713 | 142 124         | 149 820 | 291 944 |
| 2043       | 224 600       | 232 211 | 456 811 | 176 033        | 183 753 | 359 786 | 138 846         | 146 422 | 285 268 |
| 2044       | 223 416       | 230 887 | 454 303 | 173 611        | 181 198 | 354 809 | 135 559         | 142 998 | 278 557 |
| 2045       | 222 197       | 229 544 | 451 741 | 171 170        | 178 622 | 349 792 | 132 278         | 139 541 | 271 819 |
| 2046       | 220 968       | 228 168 | 449 136 | 168 732        | 176 012 | 344 744 | 128 989         | 136 076 | 265 065 |
| 2047       | 219 732       | 226 762 | 446 494 | 166 289        | 173 383 | 339 672 | 125 701         | 132 602 | 258 303 |
| 2048       | 218 478       | 225 343 | 443 821 | 163 841        | 170 743 | 334 584 | 122 416         | 129 125 | 251 541 |
| 2049       | 217 213       | 223 911 | 441 124 | 161 378        | 168 110 | 329 488 | 119 135         | 125 648 | 244 783 |
| 2050       | 215 944       | 222 464 | 438 408 | 158 918        | 165 472 | 324 390 | 115 872         | 122 169 | 238 041 |
| 2051       | 214 678       | 221 001 | 435 679 | 156 464        | 162 830 | 319 294 | 112 626         | 118 692 | 231 318 |

(a) See paragraphs 5 to 7 of the Explanatory Notes.



## 2.4 PROJECTED NUMBER OF HOUSEHOLDS(a), Household Type

| HOUSEHOLD TYPE..... |               |              |                    |              |
|---------------------|---------------|--------------|--------------------|--------------|
|                     | <i>Family</i> | <i>Group</i> | <i>Lone person</i> | <b>Total</b> |
| <i>At 30 June</i>   | '000          | '000         | '000               | <b>'000</b>  |
| .....               |               |              |                    |              |
| SERIES A            |               |              |                    |              |
| 1996                | 131.3         | 6.3          | 46.9               | <b>184.5</b> |
| 2001                | 133.0         | 6.0          | 48.9               | <b>187.9</b> |
| 2006                | 134.5         | 6.0          | 51.1               | <b>191.6</b> |
| 2011                | 134.9         | 5.8          | 53.2               | <b>193.8</b> |
| 2016                | 133.8         | 5.5          | 55.2               | <b>194.5</b> |
| 2021                | 130.9         | 5.1          | 57.0               | <b>193.0</b> |
| .....               |               |              |                    |              |
| SERIES B            |               |              |                    |              |
| 1996                | 131.3         | 6.3          | 46.9               | <b>184.5</b> |
| 2001                | 130.5         | 6.8          | 54.9               | <b>192.2</b> |
| 2006                | 130.5         | 7.0          | 60.4               | <b>198.0</b> |
| 2011                | 130.2         | 7.0          | 64.1               | <b>201.3</b> |
| 2016                | 129.3         | 6.6          | 65.8               | <b>201.7</b> |
| 2021                | 126.7         | 6.0          | 67.3               | <b>200.0</b> |
| .....               |               |              |                    |              |
| SERIES C            |               |              |                    |              |
| 1996                | 131.3         | 6.3          | 46.9               | <b>184.5</b> |
| 2001                | 130.5         | 6.8          | 54.9               | <b>192.2</b> |
| 2006                | 129.2         | 7.4          | 63.6               | <b>200.2</b> |
| 2011                | 126.7         | 7.9          | 72.3               | <b>206.8</b> |
| 2016                | 123.1         | 8.0          | 80.4               | <b>211.5</b> |
| 2021                | 118.0         | 7.8          | 87.8               | <b>213.7</b> |
| .....               |               |              |                    |              |

(a) See paragraphs 8 to 10 of the Explanatory Notes.

## SECTION 3

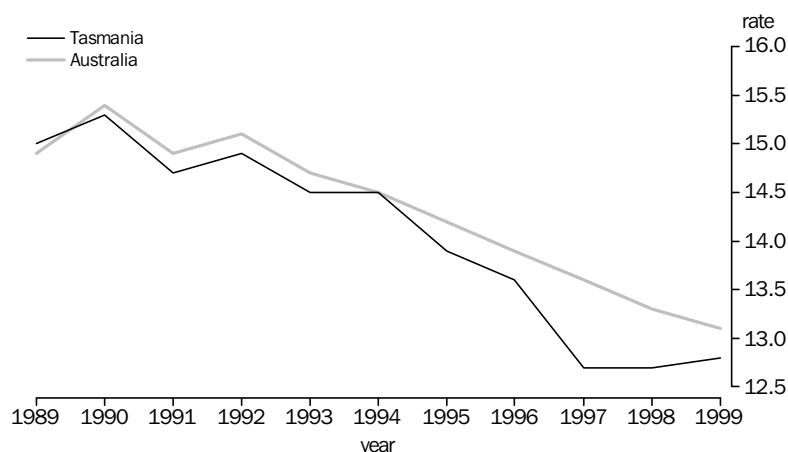
## BIRTHS .....

In 1999, Tasmanian mothers gave birth to 6,032 children from 5,931 confinements. The 1999 figure was an increase of 54 over the 5,978 births recorded in 1998, although it was an overall 12% decrease from the 1989 figure (6,813). The sex ratio was 102.7 males born for every 100 females. The total fertility rate, expressed as the number of children one woman would expect to bear during her child-bearing lifetime, was similar at 1.872 in 1999, compared to 1.899 in 1989.

### Birth rates

Tasmania's crude birth rate of 12.8 per thousand of mean population is slightly higher than the previous year's record equalling low, and is only the second increase recorded since the downward trend began in the 1990s. The rate is lower than the Australian rate of 13.1 although the gap has diminished since 1997. Until the 1990s, the Tasmanian crude birth rate had usually been higher than the overall rate for Australia. Until 1998, the results revealed a continuing trend in which the Tasmanian rate had been falling faster than the Australian equivalent.

### BIRTH RATES, TASMANIA AND AUSTRALIA



### Median age of parents

In 1999, the median age of the mother for all confinements was 28.6 years, equal to the figure recorded in 1998, but 1.2 years greater than the figure recorded in 1989. The mother's median age for nuptial confinements was 30.2 years in 1999, slightly higher than the 1998 figure (30.0). The median age of the father for all confinements was 31.1 years in 1999, the same as the 1998 figure. The median age of fathers for nuptial confinements was 32.6 years, slightly higher than the figure recorded in 1998 (32.4).

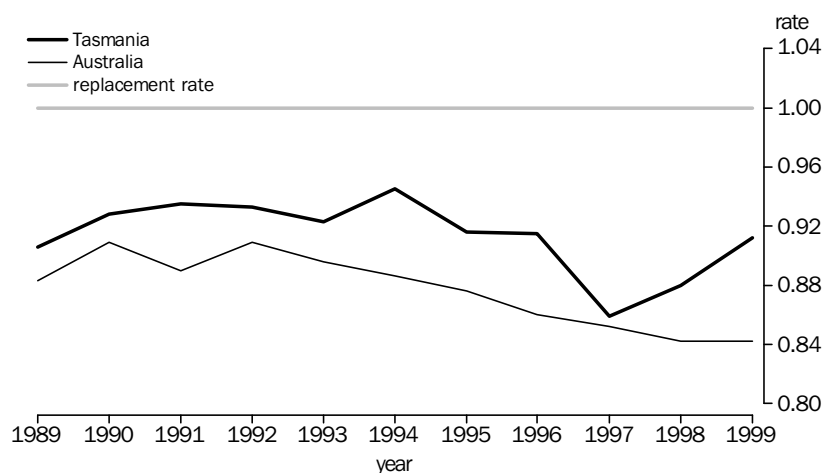
The median age of the mother for nuptial first confinements was 28.7 years, a slight rise from the 1998 figure (28.6 years). In 1999, the median duration of marriage for nuptial first confinements was 2.5 years, slightly over a month less than the figure recorded in 1998 (2.6 years).

## Fertility

In 1999, the female net reproduction rate for Tasmania (the extent to which the population can reproduce itself over time) was 0.912, higher than the 1998 rate of 0.880 and is the highest rate recorded since 1994. The net reproduction rate fell below the replacement level in 1979 and has remained below that level ever since. In 1999, the Tasmanian female net reproduction rate continued to diverge from the Australian rate which gradually declined from the 1992 figure of 0.909 to 0.842 recorded in both 1998 and 1999.

A comparison of 1989 and 1999 age-specific birth rates reveals that the 15–19 year and 45–49 year age group had the same rates at both the beginning and end of the period, while the rates for the 20–24, and 25–29 year age groups both showed significant percentage decreases from the 1989 figures of 20% and 13% respectively. All age groups from 30–34 to 40–44 years recorded percentage increases on the 1989 rates, with the most significant being in the 40–44 years age group which increased by over 60%. In 1999, females in the 25–29 year age group continued to be the most fertile with 123 births per thousand, a small increase on the figure of 121 recorded in 1998.

## NET REPRODUCTION RATE, TASMANIA AND AUSTRALIA



## Confinements

In 1999, 5,931 confinements were recorded in Tasmania, an increase of 1% from the figure recorded in 1998, and a 12% fall from the 1989 figure.

Single births accounted for 98% of all confinements. Of the 3,547 nuptial confinements, 1,516 or 43% produced the first child of the marriage, the same percentage as recorded in 1989. In 1999, only 260, or 7% of nuptial confinements resulted in a fourth or subsequent child. This is a decrease on the 1989 figure when 492, or 9% of nuptial confinements produced a fourth or subsequent child.

## Nuptiality

While the number of nuptial births has fallen steadily from 1989 to 1999, the number of exnuptial births has gradually increased over the same period. Over the five years from 1993 to 1997, there had been a plateau of 2,100 to 2,200 per year but in 1999 the figure of 2,416 became the highest ever recorded, following on from the previous record number recorded in 1998 (2,317).

The number of exnuptial births increased by 99, or 4%, to 2,416 in 1999, from 2,384 exnuptial confinements. The number of nuptial births fell by 45, to 3,616, from 3,547 nuptial confinements in 1999, a decrease of 1%.

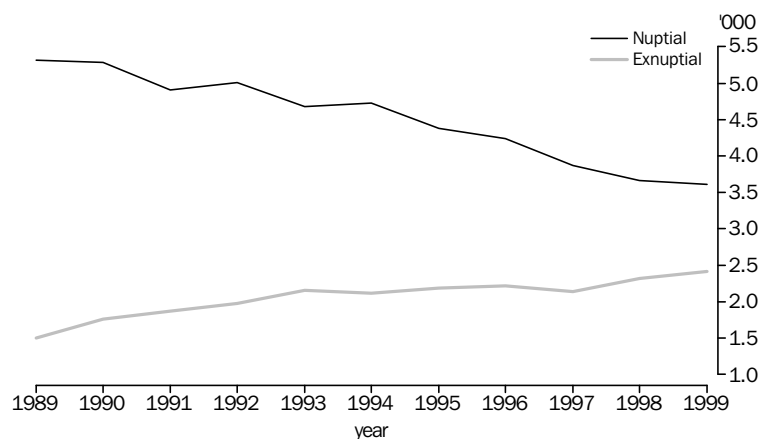
Exnuptial births accounted for 40% of all births in 1999, up 1.3 percentage points on 1998. This continues the upward trend in evidence since 1961, and was an increase of 18 percentage points on the figure recorded in 1989.

Over the last five years, it has been the decline in the number of nuptial births which has been a primary contributor to the increase in the proportion of exnuptial births. Of all exnuptial confinements, 51% were to females aged less than 25 years, a slight increase on the figure recorded in 1998 but a decrease on the 55% recorded in 1997, whilst 23% of confinements were to mothers aged 30 years or over, a slight decrease on the 25% recorded in 1998 but an increase on the 21% recorded in 1997.

In 1989, 78% of exnuptial births had paternity acknowledged, but by 1999 this had increased to 89% of births. While the number of exnuptial births grew by 61% between 1989 and 1999, the absolute number of cases where paternity was not acknowledged fell by 53 over the same period.

In 1999, as a percentage of all women giving birth in the 19 year and under age group, exnuptial births accounted for 97%, a slight increase on the proportion recorded in 1998 (95%). For all women giving birth in the 20–24 year age group this proportion dropped to 67%, and in the 25–29 age group to 32%, both significantly higher than the corresponding 1998 figures of 65%, and 30% respectively.

## NUPTIALITY OF BIRTH



### 3.1 BIRTHS, Summary(a)

|  | 1989         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| BIRTHS                                   |              |              |              |              |              |              |              |
| <b>Total births(b)</b>                   | <b>6 813</b> | <b>6 844</b> | <b>6 570</b> | <b>6 457</b> | <b>6 007</b> | <b>5 978</b> | <b>6 032</b> |
| Males                                    | 3 506        | 3 497        | 3 390        | 3 346        | 3 098        | 3 053        | 3 056        |
| Females                                  | 3 307        | 3 347        | 3 180        | 3 111        | 2 909        | 2 925        | 2 976        |
| Sex ratio                                | 106.0        | 104.5        | 106.6        | 107.6        | 106.5        | 104.4        | 102.7        |
| Indigenous births                        | n.a.         | 247          | n.p.         | 244          | 310          | 298          | 339          |
| Males                                    | n.a.         | 117          | n.p.         | 136          | 151          | 156          | 172          |
| Females                                  | n.a.         | 130          | n.p.         | 108          | 159          | 142          | 167          |
| Sex ratio                                | n.a.         | 90.0         | n.p.         | 125.9        | 95.0         | 109.9        | 103.0        |
| Estimated coverage(c) (%)                | n.a.         | 60           | 63           | 56           | 70           | 67           | 74           |
| Nuptial births                           | 5 308        | 4 725        | 4 381        | 4 242        | 3 866        | 3 661        | 3 616        |
| Exnuptial births                         | 1 505        | 2 119        | 2 189        | 2 215        | 2 141        | 2 317        | 2 416        |
| Proportion of total live births (%)      | 22.1         | 31.0         | 33.3         | 34.3         | 35.6         | 38.8         | 40.1         |
| Paternity acknowledged births            | 1 179        | 1 808        | 1 896        | 1 941        | 1 876        | 2 059        | 2 143        |
| Proportion of total exnuptial births (%) | 78.3         | 85.3         | 86.6         | 87.6         | 87.6         | 88.9         | 88.7         |
| Crude birth rate                         | 15.0         | 14.5         | 13.9         | 13.6         | 12.7         | 12.7         | 12.8         |
| Age-specific birth rate                  |              |              |              |              |              |              |              |
| Age group (years)                        |              |              |              |              |              |              |              |
| 15–19                                    | 27.1         | 27.1         | 24.9         | 26.9         | 27.4         | 24.2         | 27.1         |
| 20–24                                    | 98.2         | 92.3         | 82.6         | 86.5         | 79.2         | 76.0         | 78.8         |
| 25–29                                    | 142.0        | 136.8        | 130.5        | 128.0        | 121.1        | 121.3        | 123.4        |
| 30–34                                    | 84.9         | 96.6         | 98.6         | 97.9         | 93.5         | 96.7         | 101.2        |
| 35–39                                    | 23.7         | 31.5         | 35.6         | 31.7         | 31.0         | 37.4         | 37.6         |
| 40–44                                    | 3.8          | 5.0          | 5.9          | 6.5          | 5.2          | 6.1          | 6.1          |
| 45–49                                    | 0.2          | 0.1          | 0.3          | 0.4          | 0.1          | 0.4          | 0.2          |
| Total fertility rate                     | 1.899        | 1.947        | 1.892        | 1.890        | 1.787        | 1.811        | 1.872        |
| Female net reproduction rate             | 0.906        | 0.941        | 0.909        | 0.901        | 0.858        | 0.880        | 0.912        |

(a) See Glossary for definitions of terms used.

(b) Compiled on year of registration basis.

(c) See paragraph 34 of the Explanatory Notes.

3.1 BIRTHS, Summary(a) *continued*

|   | 1989         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| CONFINEMENTS                            |              |              |              |              |              |              |              |
| <b>Total confinements(b)</b>            | <b>6 723</b> | <b>6 768</b> | <b>6 480</b> | <b>6 356</b> | <b>5 935</b> | <b>5 891</b> | <b>5 931</b> |
| First nuptial                           | 2 248        | 2 022        | 1 924        | 1 795        | 1 733        | 1 570        | 1 516        |
| All nuptial                             | 5 231        | 4 661        | 4 318        | 4 162        | 3 814        | 3 606        | 3 547        |
| Paternity-acknowledged                  | 1 170        | 1 797        | 1 871        | 1 922        | 1 859        | 2 027        | 2 118        |
| All exnuptial                           | 1 492        | 2 107        | 2 162        | 2 194        | 2 121        | 2 285        | 2 384        |
| Median age of mother (years)            |              |              |              |              |              |              |              |
| First nuptial                           | 26.7         | 28.0         | 28.3         | 28.0         | 28.3         | 28.6         | 28.7         |
| All nuptial                             | 28.2         | 29.3         | 29.7         | 29.6         | 29.7         | 30.0         | 30.2         |
| Paternity-acknowledged                  | 23.0         | 24.1         | 24.8         | 24.5         | 24.4         | 25.3         | 25.0         |
| All exnuptial                           | 22.7         | 23.8         | 24.5         | 24.3         | 24.2         | 25.1         | 24.9         |
| All Confinements                        | 27.4         | 28.1         | 28.5         | 28.3         | 28.2         | 28.6         | 28.6         |
| Median age of father (years)            |              |              |              |              |              |              |              |
| Nuptial                                 | 30.4         | 31.7         | 32.0         | 32.1         | 32.2         | 32.4         | 32.6         |
| Paternity-acknowledged                  | 26.0         | 26.8         | 27.6         | 27.0         | 27.2         | 27.9         | 27.7         |
| All fathers where age is known          | 29.9         | 30.8         | 31.1         | 30.9         | 31.0         | 31.1         | 31.1         |
| Median duration of marriage (years)     |              |              |              |              |              |              |              |
| First nuptial                           | 2.6          | 2.5          | 2.6          | 2.3          | 2.3          | 2.6          | 2.5          |
| All nuptial                             | 4.6          | 4.5          | 4.6          | 4.6          | 4.5          | 4.5          | 4.6          |
| Nuptial confinements                    |              |              |              |              |              |              |              |
| Previous births of current relationship |              |              |              |              |              |              |              |
| 0                                       | 2 248        | 2 022        | 1 924        | 1 795        | 1 733        | 1 570        | 1 516        |
| 1                                       | 1 634        | 1 557        | 1 371        | 1 447        | 1 310        | 1 259        | 1 196        |
| 2                                       | 857          | 712          | 673          | 614          | 500          | 523          | 575          |
| 3                                       | 324          | 257          | 215          | 201          | 193          | 151          | 154          |
| 4                                       | 110          | 55           | 79           | 64           | 44           | 65           | 62           |
| 5 and over                              | 58           | 58           | 56           | 41           | 34           | 38           | 44           |
| Average number of births                | 2.0          | 1.9          | 1.9          | 1.9          | 1.9          | 1.9          | 2.0          |

(a) See Glossary for definitions of terms used.

(b) Compiled on year of registration basis.

### 3.2 CONFINEMENTS, Age of Mother

| Confinements              | AGE GROUP OF MOTHER<br>(YEARS)..... |              |              |              |            |                | Total(a)     |
|---------------------------|-------------------------------------|--------------|--------------|--------------|------------|----------------|--------------|
|                           | 19 and<br>under                     | 20-24        | 25-29        | 30-34        | 35-39      | 40 and<br>over |              |
| NUMBER                    |                                     |              |              |              |            |                |              |
| Nuptial                   |                                     |              |              |              |            |                |              |
| Single                    | 12                                  | 374          | 1 287        | 1 220        | 510        | 76             | 3 480        |
| Twins or higher order     | —                                   | 5            | 23           | 24           | 12         | —              | 65           |
| Total                     | 12                                  | 379          | 1 311        | 1 245        | 522        | 77             | 3 547        |
| Exnuptial                 |                                     |              |              |              |            |                |              |
| Single                    | 443                                 | 755          | 615          | 345          | 158        | 34             | 2 352        |
| Twins or higher order     | —                                   | 11           | 9            | 6            | 4          | —              | 32           |
| Total                     | 443                                 | 766          | 624          | 351          | 162        | 34             | 2 384        |
| <b>Total confinements</b> | <b>457</b>                          | <b>1 145</b> | <b>1 935</b> | <b>1 596</b> | <b>684</b> | <b>111</b>     | <b>5 931</b> |
| PROPORTION (%)            |                                     |              |              |              |            |                |              |
| Nuptial                   | 2.6                                 | 33.1         | 67.8         | 78.0         | 76.3       | 69.4           | 59.8         |
| Exnuptial                 | 97.4                                | 66.9         | 32.2         | 22.0         | 23.7       | 30.6           | 40.2         |

(a) Includes not stated.

In 1999, 3,783 deaths were recorded in Tasmania, 178 more than in 1998. Male deaths accounted for 1,954 of the total, whilst female deaths numbered 1,829. In 1999, there were 106.8 male deaths to every 100 female deaths, a decrease on the figure recorded in 1998 (110.1) but almost identical to that recorded in 1997.

There were 65 more male deaths in 1999, representing an increase of 3%, whilst there were 113 more female deaths or a 7% increase over the same period.

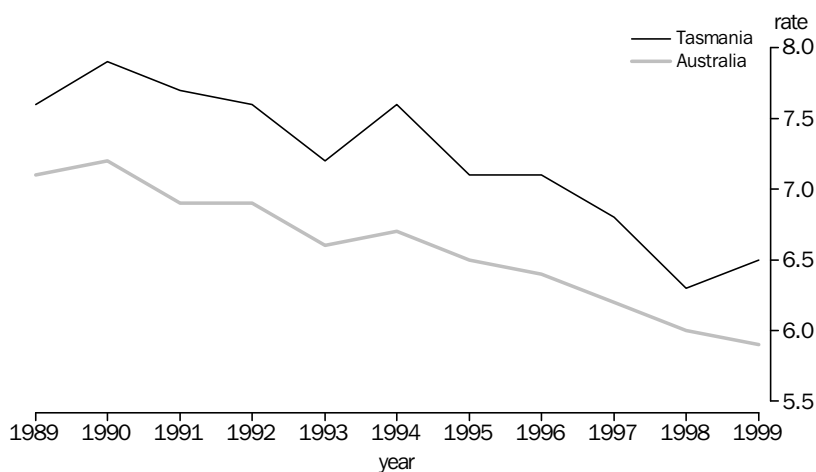
#### Death rates

The crude Tasmanian death rate for 1999 was 8.0 per thousand of mid-year population, slightly higher than the 1998 figure (7.6). Of all the States and territories, Tasmania has the highest crude death rate, followed by South Australia (7.6 per 1,000 of mid-year population) and New South Wales (7.1). The Australian crude death rate for 1999 was 6.8 deaths per thousand of mid-year population.

In comparison, the 1999 Tasmanian standardised death rate (which allows a comparison of death rates between populations with different age structures by relating them to a standard population) was 6.5 per thousand of mid-year population, slightly higher than the figure recorded in 1998 (6.3 per thousand).

In 1999, the Australian standardised death rate was 5.9 per thousand of mid-year population, slightly lower than the figure recorded in 1998. Of all the States and territories Tasmania and the Northern Territory (with 6.5 and 8.7 per thousand of mid-year population respectively) had the highest standardised death rates. All other States and territories except the ACT (5.4 per thousand) were within the 5.7 to 6.0 per thousand range.

STANDARDISED DEATH RATE, TASMANIA AND AUSTRALIA



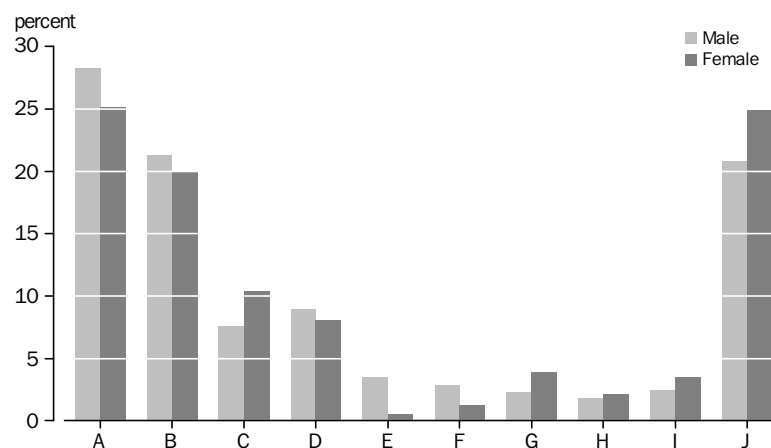


## Cause of death

Malignant neoplasms (cancers) and ischaemic heart disease were the major causes of death for Tasmanians in 1999, accounting for 1,014 and 783 deaths respectively. Malignant neoplasms were responsible for 28% of male deaths and 25% of female deaths. Ischaemic heart disease brought about a further 21% of male deaths and 20% of female deaths.

Disease of the circulatory system, which includes ischaemic heart disease and cerebrovascular disease, brought about the deaths of 1,501 Tasmanians in 1999, accounting for 40% of deaths recorded during that year. Some 38% of male deaths (740) and 42% of female deaths (761) were attributable to these diseases. Deaths from cerebrovascular disease, or stroke, were more common for females than males, resulting in 190, (10%) female deaths, compared to the much lower figure of 149 (8%) male deaths in 1999.

## MAJOR CAUSES OF DEATH 1999



A (ICD C00–D48) malignant neoplasms

B (ICD I20–I25) ischaemic heart disease

C (ICD I60–I69) cerebrovascular disease

D (ICD J00–J99) diseases of the respiratory system

E (ICD X60–X84) intentional self-harm

F (ICD V01–V99) transport accidents

G (ICD K00–K93) diseases of the digestive system

H (ICD E10–E14) diabetes

I (ICD G00–G99) diseases of the nervous system

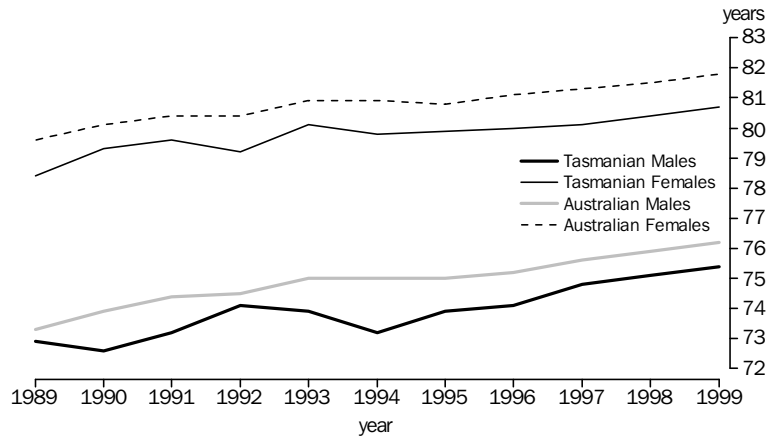
J all other causes

Diseases of the respiratory system accounted for a further 325 deaths, (over 8% of all deaths), 176 (9%) male deaths and 149 (8%) female deaths. For deaths due to intentional self-harm, male deaths, 68 (4%), were far more prevalent than female deaths, 10 (1%). Similarly, for deaths due to transport accidents, male deaths, 44 (2%) also exceeded the number recorded for females, 22 (1%) attributed to this cause.

Life expectancy

Based on the mortality conditions in Tasmania between 1997 and 1999, the life expectancy at birth was 75.4 years for males and 80.7 years for females, lower than the equivalent Australian life expectancy at birth of 76.2 years for males and 81.8 years for females.

LIFE EXPECTANCY, TASMANIA AND AUSTRALIA



Infant mortality

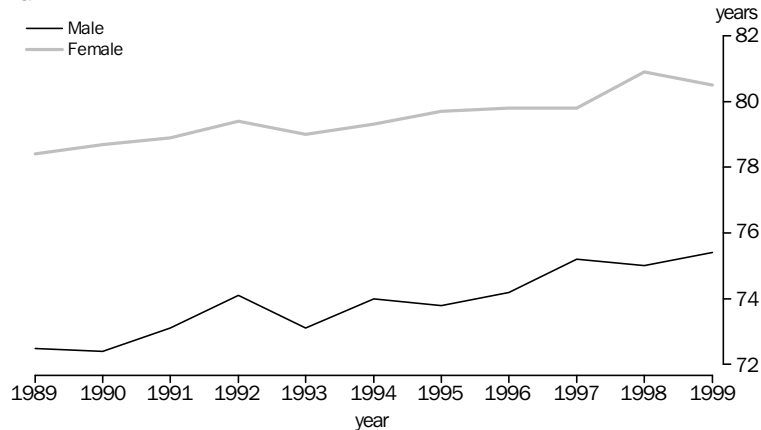
In 1999, there were 46 infant deaths recorded in Tasmania, (27 males and 19 females), an increase of 35% on the 1998 total (34), and the highest figure recorded since 1994.

The male infant mortality rate was 8.8 per 1,000 live births, whilst for females it was 6.4 per 1,000 live births, both increases on the 1998 rates when they were 7.9, and 3.4 per 1,000 live births respectively.

Age at death

The median age at death for Tasmanian males in 1999 was 75.4 years, 0.6 years higher than the Australian median of 74.8 and only exceeded by South Australia (75.8 years). Conversely, the median age at death for Tasmanian females was 80.5 years, below the Australian median of 81.4 years but significantly higher than that of their male counterparts. Since 1989, the trend in median ages at death for both men and women have continued to gradually increase from 72.5 years, and 78.4 years respectively.

AGE AT DEATH



## 4.1 DEATHS, Summary(a)

|                             | 1989         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| DEATHS                      |              |              |              |              |              |              |              |
| <b>Total deaths(b)</b>      | <b>3 690</b> | <b>3 911</b> | <b>3 754</b> | <b>3 872</b> | <b>3 809</b> | <b>3 605</b> | <b>3 783</b> |
| Males                       | 1 914        | 2 136        | 1 952        | 2 052        | 1 966        | 1 889        | 1 954        |
| Females                     | 1 776        | 1 775        | 1 802        | 1 820        | 1 843        | 1 716        | 1 829        |
| Sex ratio                   | 107.8        | 120.3        | 108.3        | 112.7        | 106.7        | 110.1        | 106.8        |
| Crude death rate            | 8.1          | 8.3          | 7.9          | 8.2          | 8.0          | 7.6          | 8.0          |
| Males                       | 8.5          | 9.1          | 8.3          | 8.8          | 8.4          | 8.1          | 8.4          |
| Females                     | 7.7          | 7.4          | 7.5          | 7.6          | 7.7          | 7.2          | 7.7          |
| Standardised death rate     | 8.1          | 7.6          | 7.1          | 7.1          | 6.8          | 6.3          | 6.5          |
| Males                       | 9.8          | 9.9          | 8.9          | 9.2          | 8.6          | 8.1          | 8.2          |
| Females                     | 6.6          | 5.7          | 5.7          | 5.6          | 5.5          | 5.0          | 5.2          |
| Median age at death (years) |              |              |              |              |              |              |              |
| Males                       | 72.4         | 74.0         | 73.8         | 74.2         | 75.2         | 75.0         | 75.4         |
| Females                     | 78.4         | 79.3         | 79.7         | 79.8         | 79.8         | 80.9         | 80.5         |
| Age-specific death rate     |              |              |              |              |              |              |              |
| Age group (years)           |              |              |              |              |              |              |              |
| Males                       |              |              |              |              |              |              |              |
| 0                           | 12.2         | 8.6          | 8.0          | 5.7          | 8.4          | 7.9          | 8.4          |
| 1-4                         | 0.2          | 0.6          | 0.3          | 0.2          | 0.4          | 0.4          | 0.2          |
| 5-14                        | 0.3          | 0.2          | 0.2          | —            | 0.2          | 0.1          | 0.3          |
| 15-24                       | 1.3          | 1.6          | 1.1          | 1.2          | 1.1          | 1.0          | 1.2          |
| 25-34                       | 1.0          | 1.3          | 1.4          | 1.2          | 0.9          | 1.5          | 1.6          |
| 35-44                       | 1.9          | 1.6          | 1.4          | 1.7          | 1.3          | 1.5          | 1.7          |
| 45-54                       | 4.6          | 4.6          | 3.7          | 4.1          | 3.7          | 3.5          | 3.5          |
| 55-64                       | 14.3         | 13.3         | 10.6         | 10.7         | 10.9         | 10.0         | 8.7          |
| 65-74                       | 36.3         | 33.1         | 32.8         | 34.5         | 28.8         | 27.5         | 26.8         |
| 75-84                       | 84.4         | 89.1         | 77.2         | 79.9         | 79.4         | 73.6         | 76.9         |
| 85 and over                 | 191.5        | 213.5        | 201.9        | 202.9        | 193.3        | 177.0        | 176.0        |
| Females                     |              |              |              |              |              |              |              |
| 0                           | 8.6          | 6.3          | 3.5          | 3.2          | 4.5          | 3.4          | 6.1          |
| 1-4                         | 0.1          | 0.3          | —            | 0.4          | 0.5          | 0.4          | 0.5          |
| 5-14                        | 0.2          | 0.1          | 0.1          | 0.1          | 0.2          | 0.1          | 0.1          |
| 15-24                       | 0.6          | 0.5          | 0.4          | 0.4          | 0.4          | 0.3          | 0.5          |
| 25-34                       | 0.4          | 0.4          | 0.3          | 0.6          | 0.3          | 0.4          | 0.5          |
| 35-44                       | 1.1          | 0.9          | 1.2          | 1.1          | 1.0          | 1.2          | 1.0          |
| 45-54                       | 3.5          | 2.5          | 2.8          | 2.9          | 2.1          | 2.7          | 3.0          |
| 55-64                       | 7.6          | 7.1          | 7.0          | 7.4          | 7.7          | 5.4          | 5.4          |
| 65-74                       | 22.1         | 19.4         | 18.5         | 17.6         | 18.0         | 15.1         | 16.2         |
| 75-84                       | 56.3         | 52.5         | 51.8         | 49.1         | 49.9         | 44.9         | 46.6         |
| 85 and over                 | 182.4        | 153.9        | 152.4        | 153.4        | 145.5        | 141.9        | 141.3        |

(a) See Glossary for definitions of terms used.

(b) Compiled on year of registration basis.

4.1 DEATHS, Summary(a) *continued*

|   | 1989      | 1994      | 1995      | 1996      | 1997      | 1998      | 1999      |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DEATHS  |           |           |           |           |           |           |           |
| Expectation of life(b)                                    |           |           |           |           |           |           |           |
| Males   |           |           |           |           |           |           |           |
| Age 0   | 72.9      | 73.2      | 73.9      | 74.1      | 74.8      | 75.1      | 75.4      |
| Age 1   | 72.9      | 72.8      | 73.5      | 73.6      | 74.3      | 74.7      | 75.0      |
| Age 25  | 49.8      | 50.0      | 50.3      | 50.5      | 51.1      | 51.4      | 51.8      |
| Age 45  | 30.9      | 31.2      | 31.7      | 31.7      | 32.3      | 32.6      | 33.0      |
| Age 65  | 14.6      | 14.8      | 15.0      | 15.0      | 15.4      | 15.7      | 16.0      |
| Females   |           |           |           |           |           |           |           |
| Age 0   | 78.4      | 79.9      | 79.9      | 80.0      | 80.1      | 80.4      | 80.7      |
| Age 1   | 78.1      | 79.4      | 79.3      | 79.3      | 79.4      | 79.8      | 80.1      |
| Age 25  | 54.6      | 55.8      | 55.6      | 55.7      | 55.8      | 56.2      | 56.5      |
| Age 45  | 35.2      | 36.4      | 36.3      | 36.4      | 36.5      | 36.9      | 37.2      |
| Age 65  | 17.9      | 18.7      | 18.9      | 18.9      | 19.0      | 19.3      | 19.5      |
| Principal causes of death(c) (SDR per 100,000 population) |           |           |           |           |           |           |           |
| Males   |           |           |           |           |           |           |           |
| Neoplasms   | 239       | 271       | 251       | 265       | 235       | 225       | 230       |
| Diseases of the circulatory system                        | 452       | 405       | 367       | 368       | 354       | 320       | 309       |
| Diseases of the respiratory system                        | 104       | 103       | 79        | 87        | 95        | 87        | 73        |
| Diseases of the digestive system                          | 31        | 24        | 26        | 25        | 21        | 20        | 19        |
| All other diseases  | 90        | 113       | 107       | 106       | 99        | 99        | 109       |
| External causes   | 68        | 74        | 63        | 66        | 59        | 61        | 77        |
| Females   |           |           |           |           |           |           |           |
| Neoplasms   | 157       | 150       | 166       | 154       | 150       | 138       | 151       |
| Diseases of the circulatory system                        | 322       | 244       | 241       | 232       | 226       | 201       | 195       |
| Diseases of the respiratory system                        | 46        | 43        | 40        | 47        | 63        | 50        | 41        |
| Diseases of the digestive system                          | 25        | 24        | 20        | 19        | 17        | 16        | 20        |
| All other diseases  | 75        | 93        | 74        | 82        | 74        | 69        | 84        |
| External causes   | 38        | 22        | 25        | 25        | 19        | 22        | 30        |
| INFANT DEATHS   |           |           |           |           |           |           |           |
| <b>Total infant deaths</b>                                | <b>72</b> | <b>51</b> | <b>38</b> | <b>29</b> | <b>39</b> | <b>34</b> | <b>46</b> |
| Males   | 43        | 30        | 27        | 19        | 26        | 24        | 27        |
| Females   | 29        | 21        | 11        | 10        | 13        | 10        | 19        |
| Infant mortality rate                                     | 10.6      | 7.5       | 5.8       | 4.5       | 6.5       | 5.7       | 7.6       |
| Males   | 12.3      | 8.6       | 8.0       | 5.7       | 8.4       | 7.9       | 8.8       |
| Females   | 8.8       | 6.3       | 3.5       | 3.2       | 4.5       | 3.4       | 6.4       |
| Age at death  |           |           |           |           |           |           |           |
| Males   |           |           |           |           |           |           |           |
| Under 1 day   | 14        | 12        | 12        | —         | 9         | 5         | 8         |
| 1 day to under 1 week                                     | 6         | —         | —         | —         | 6         | 7         | 6         |
| 1 week to under 4 weeks                                   | 4         | —         | —         | 7         | 3         | 3         | 4         |
| 4 weeks to under 1 year                                   | 19        | 13        | 9         | 6         | 8         | 9         | 9         |
| Females   |           |           |           |           |           |           |           |
| Under 1 day   | 10        | 5         | 6         | —         | —         | 4         | 5         |
| 1 day to under 1 week                                     | 7         | 5         | —         | —         | —         | —         | 3         |
| 1 week to under 4 weeks                                   | —         | 3         | —         | —         | 3         | —         | 7         |
| 4 weeks to under 1 year                                   | 10        | 8         | 3         | 5         | 5         | 4         | 4         |

(a) See Glossary for definitions of terms used.

(b) From 1995 onwards expectation of life has been calculated using data for the year in the heading of the table and the previous two years.

(c) See paragraphs 19 to 21 of the Explanatory Notes.

## 4.2 DEATHS, Age at Death—Sex

| Age at death<br>(years) | Males | Females | Persons | Age at death<br>(years) | Males        | Females      | Persons      |
|-------------------------|-------|---------|---------|-------------------------|--------------|--------------|--------------|
| Under 1                 | 27    | 19      | 46      | 50                      | 7            | 11           | 18           |
| 1                       | —     | —       | 4       | 51                      | 12           | 5            | 17           |
| 2                       | —     | —       | —       | 52                      | 17           | 14           | 31           |
| 3                       | —     | —       | —       | 53                      | 11           | 11           | 22           |
| 4                       | —     | —       | —       | 54                      | 15           | 9            | 24           |
| 0–4                     | 29    | 25      | 54      | 50–54                   | 62           | 50           | 112          |
| 5                       | —     | —       | 3       | 55                      | 14           | 5            | 19           |
| 6                       | —     | —       | —       | 56                      | 9            | 6            | 15           |
| 7                       | —     | —       | —       | 57                      | 14           | 8            | 22           |
| 8                       | —     | —       | —       | 58                      | 17           | 10           | 27           |
| 9                       | —     | —       | —       | 59                      | 20           | 13           | 33           |
| 5–9                     | 3     | —       | 5       | 55–59                   | 74           | 42           | 116          |
| 10                      | —     | —       | —       | 60                      | 18           | 15           | 33           |
| 11                      | —     | —       | —       | 61                      | 20           | 12           | 32           |
| 12                      | —     | —       | —       | 62                      | 21           | 11           | 32           |
| 13                      | —     | —       | —       | 63                      | 31           | 16           | 47           |
| 14                      | 3     | —       | 4       | 64                      | 28           | 22           | 50           |
| 10–14                   | 7     | —       | 9       | 60–64                   | 118          | 76           | 194          |
| 15                      | —     | —       | 5       | 65                      | 31           | 17           | 48           |
| 16                      | —     | —       | —       | 66                      | 36           | 20           | 56           |
| 17                      | 4     | 3       | 7       | 67                      | 49           | 18           | 67           |
| 18                      | 6     | —       | 6       | 68                      | 33           | 36           | 69           |
| 19                      | —     | —       | 4       | 69                      | 45           | 32           | 77           |
| 15–19                   | 17    | 5       | 22      | 65–69                   | 194          | 123          | 317          |
| 20                      | 7     | 4       | 11      | 70                      | 38           | 24           | 62           |
| 21                      | —     | —       | 5       | 71                      | 48           | 28           | 76           |
| 22                      | —     | —       | 4       | 72                      | 44           | 35           | 79           |
| 23                      | —     | —       | 6       | 73                      | 54           | 45           | 99           |
| 24                      | —     | —       | 6       | 74                      | 72           | 40           | 112          |
| 20–24                   | 22    | 10      | 32      | 70–74                   | 256          | 172          | 428          |
| 25                      | 3     | 3       | 6       | 75                      | 80           | 53           | 133          |
| 26                      | —     | —       | 6       | 76                      | 71           | 45           | 116          |
| 27                      | —     | —       | 6       | 77                      | 67           | 63           | 130          |
| 28                      | —     | —       | —       | 78                      | 63           | 56           | 119          |
| 29                      | —     | —       | —       | 79                      | 67           | 61           | 128          |
| 25–29                   | 19    | 8       | 27      | 75–79                   | 348          | 278          | 626          |
| 30                      | —     | —       | 5       | 80                      | 61           | 66           | 127          |
| 31                      | 4     | 4       | 8       | 81                      | 66           | 62           | 128          |
| 32                      | —     | —       | 10      | 82                      | 71           | 54           | 125          |
| 33                      | —     | —       | 6       | 83                      | 66           | 62           | 128          |
| 34                      | 8     | —       | 8       | 84                      | 59           | 78           | 137          |
| 30–34                   | 29    | 8       | 37      | 80–84                   | 323          | 322          | 645          |
| 35                      | 9     | 5       | 14      | 85                      | 55           | 72           | 127          |
| 36                      | —     | —       | 9       | 86                      | 54           | 72           | 126          |
| 37                      | —     | —       | 4       | 87                      | 47           | 72           | 119          |
| 38                      | 7     | 3       | 10      | 88                      | 39           | 58           | 97           |
| 39                      | 5     | 5       | 10      | 89                      | 35           | 67           | 102          |
| 35–39                   | 29    | 18      | 47      | 85–89                   | 230          | 341          | 571          |
| 40                      | —     | —       | 9       | 90                      | 27           | 63           | 90           |
| 41                      | —     | —       | 8       | 91                      | 26           | 43           | 69           |
| 42                      | —     | —       | 7       | 92                      | 18           | 49           | 67           |
| 43                      | 9     | 11      | 20      | 93                      | 6            | 24           | 30           |
| 44                      | —     | —       | 6       | 94                      | 5            | 28           | 33           |
| 40–44                   | 33    | 17      | 50      | 90–94                   | 82           | 207          | 289          |
| 45                      | 8     | 11      | 19      | 95–99                   | 27           | 71           | 98           |
| 46                      | 13    | 11      | 24      | 100 and over            | —            | 7            | 9            |
| 47                      | 8     | 8       | 16      |                         |              |              |              |
| 48                      | 8     | 11      | 19      | Not stated              | —            | —            | —            |
| 49                      | 12    | 4       | 16      |                         |              |              |              |
| 45–49                   | 49    | 45      | 94      | <b>Total</b>            | <b>1 954</b> | <b>1 829</b> | <b>3 783</b> |

## 4.3 Life Table(a)—1997–1999

MALES.....:.....

| TASMANIA..... |           |           |           |                       |                       | TASMANIA..... |           |           |           |                       |                       |
|---------------|-----------|-----------|-----------|-----------------------|-----------------------|---------------|-----------|-----------|-----------|-----------------------|-----------------------|
| Aust.         |           |           |           |                       |                       | Aust.         |           |           |           |                       |                       |
| Age (years)   | <i>lx</i> | <i>qx</i> | <i>Lx</i> | <i>e<sup>o</sup>x</i> | <i>e<sup>o</sup>x</i> | Age (years)   | <i>lx</i> | <i>qx</i> | <i>Lx</i> | <i>e<sup>o</sup>x</i> | <i>e<sup>o</sup>x</i> |
| 0             | 100 000   | 0.00790   | 99 315    | 75.41                 | 76.22                 | 50            | 93 868    | 0.00348   | 93 708    | 28.40                 | 29.16                 |
| 1             | 99 210    | 0.00060   | 99 178    | 75.01                 | 75.68                 | 51            | 93 542    | 0.00386   | 93 364    | 27.50                 | 28.25                 |
| 2             | 99 151    | 0.00037   | 99 131    | 74.06                 | 74.72                 | 52            | 93 181    | 0.00430   | 92 984    | 26.61                 | 27.36                 |
| 3             | 99 114    | 0.00030   | 99 098    | 73.09                 | 73.75                 | 53            | 92 780    | 0.00480   | 92 561    | 25.72                 | 26.47                 |
| 4             | 99 083    | 0.00025   | 99 071    | 72.11                 | 72.77                 | 54            | 92 334    | 0.00537   | 92 091    | 24.84                 | 25.58                 |
| 5             | 99 059    | 0.00020   | 99 049    | 71.13                 | 71.78                 | 55            | 91 838    | 0.00601   | 91 567    | 23.97                 | 24.71                 |
| 6             | 99 039    | 0.00017   | 99 031    | 70.14                 | 70.80                 | 56            | 91 286    | 0.00673   | 90 984    | 23.11                 | 23.85                 |
| 7             | 99 022    | 0.00016   | 99 014    | 69.15                 | 69.81                 | 57            | 90 671    | 0.00754   | 90 336    | 22.27                 | 22.99                 |
| 8             | 99 006    | 0.00016   | 98 998    | 68.16                 | 68.82                 | 58            | 89 988    | 0.00843   | 89 615    | 21.43                 | 22.15                 |
| 9             | 98 990    | 0.00016   | 98 982    | 67.17                 | 67.83                 | 59            | 89 230    | 0.00942   | 88 817    | 20.61                 | 21.32                 |
| 10            | 98 975    | 0.00016   | 98 967    | 66.18                 | 66.84                 | 60            | 88 389    | 0.01051   | 87 933    | 19.80                 | 20.50                 |
| 11            | 98 959    | 0.00016   | 98 951    | 65.19                 | 65.84                 | 61            | 87 461    | 0.01170   | 86 957    | 19.01                 | 19.69                 |
| 12            | 98 943    | 0.00017   | 98 935    | 64.20                 | 64.85                 | 62            | 86 437    | 0.01302   | 85 883    | 18.23                 | 18.90                 |
| 13            | 98 927    | 0.00021   | 98 917    | 63.22                 | 63.86                 | 63            | 85 312    | 0.01448   | 84 704    | 17.46                 | 18.12                 |
| 14            | 98 906    | 0.00029   | 98 893    | 62.23                 | 62.88                 | 64            | 84 077    | 0.01609   | 83 410    | 16.71                 | 17.36                 |
| 15            | 98 877    | 0.00043   | 98 857    | 61.25                 | 61.89                 | 65            | 82 724    | 0.01788   | 81 995    | 15.97                 | 16.61                 |
| 16            | 98 834    | 0.00060   | 98 806    | 60.27                 | 60.92                 | 66            | 81 245    | 0.01985   | 80 449    | 15.25                 | 15.87                 |
| 17            | 98 775    | 0.00079   | 98 737    | 59.31                 | 59.96                 | 67            | 79 631    | 0.02203   | 78 766    | 14.55                 | 15.15                 |
| 18            | 98 697    | 0.00096   | 98 651    | 58.36                 | 59.00                 | 68            | 77 877    | 0.02443   | 76 938    | 13.87                 | 14.45                 |
| 19            | 98 602    | 0.00109   | 98 550    | 57.41                 | 58.06                 | 69            | 75 974    | 0.02707   | 74 959    | 13.20                 | 13.77                 |
| 20            | 98 495    | 0.00117   | 98 438    | 56.47                 | 57.12                 | 70            | 73 918    | 0.02995   | 72 824    | 12.56                 | 13.10                 |
| 21            | 98 381    | 0.00120   | 98 322    | 55.54                 | 56.19                 | 71            | 71 704    | 0.03310   | 70 530    | 11.93                 | 12.46                 |
| 22            | 98 262    | 0.00121   | 98 203    | 54.60                 | 55.26                 | 72            | 69 330    | 0.03653   | 68 077    | 11.32                 | 11.83                 |
| 23            | 98 143    | 0.00122   | 98 084    | 53.67                 | 54.33                 | 73            | 66 798    | 0.04026   | 65 466    | 10.73                 | 11.22                 |
| 24            | 98 024    | 0.00123   | 97 964    | 52.73                 | 53.39                 | 74            | 64 108    | 0.04434   | 62 700    | 10.16                 | 10.63                 |
| 25            | 97 904    | 0.00125   | 97 843    | 51.80                 | 52.46                 | 75            | 61 266    | 0.04883   | 59 782    | 9.61                  | 10.06                 |
| 26            | 97 781    | 0.00126   | 97 720    | 50.86                 | 51.53                 | 76            | 58 274    | 0.05377   | 56 719    | 9.08                  | 9.50                  |
| 27            | 97 658    | 0.00127   | 97 596    | 49.93                 | 50.59                 | 77            | 55 141    | 0.05923   | 53 518    | 8.56                  | 8.97                  |
| 28            | 97 534    | 0.00127   | 97 442    | 48.99                 | 49.66                 | 78            | 51 875    | 0.06525   | 50 191    | 8.07                  | 8.46                  |
| 29            | 97 411    | 0.00127   | 97 349    | 48.05                 | 48.73                 | 79            | 48 490    | 0.07188   | 46 754    | 7.60                  | 7.96                  |
| 30            | 97 287    | 0.00128   | 97 224    | 47.11                 | 47.79                 | 80            | 45 004    | 0.07917   | 43 228    | 7.15                  | 7.50                  |
| 31            | 97 162    | 0.00128   | 97 100    | 46.17                 | 46.86                 | 81            | 41 441    | 0.08714   | 39 638    | 6.72                  | 7.05                  |
| 32            | 97 038    | 0.00129   | 96 975    | 45.23                 | 45.92                 | 82            | 37 830    | 0.09583   | 36 017    | 6.31                  | 6.62                  |
| 33            | 96 913    | 0.00130   | 96 850    | 44.29                 | 44.98                 | 83            | 34 205    | 0.10528   | 32 401    | 5.93                  | 6.22                  |
| 34            | 96 787    | 0.00131   | 96 723    | 43.34                 | 44.04                 | 84            | 30 604    | 0.11551   | 28 829    | 5.57                  | 5.84                  |
| 35            | 96 660    | 0.00133   | 96 595    | 42.40                 | 43.11                 | 85            | 27 069    | 0.12655   | 25 345    | 5.23                  | 5.49                  |
| 36            | 96 531    | 0.00136   | 96 465    | 41.46                 | 42.17                 | 86            | 23 643    | 0.13840   | 21 993    | 4.92                  | 5.16                  |
| 37            | 96 399    | 0.00140   | 96 332    | 40.51                 | 41.23                 | 87            | 20 371    | 0.15108   | 18 814    | 4.63                  | 4.86                  |
| 38            | 96 264    | 0.00146   | 96 194    | 39.57                 | 40.29                 | 88            | 17 293    | 0.16459   | 15 850    | 4.36                  | 4.58                  |
| 39            | 96 124    | 0.00152   | 96 051    | 38.63                 | 39.35                 | 89            | 14 447    | 0.17882   | 13 132    | 4.12                  | 4.34                  |
| 40            | 95 978    | 0.00159   | 95 902    | 37.68                 | 38.41                 | 90            | 11 864    | 0.19322   | 10 692    | 3.92                  | 4.12                  |
| 41            | 95 824    | 0.00168   | 95 745    | 36.74                 | 37.48                 | 91            | 9 571     | 0.20719   | 8 554     | 3.74                  | 3.93                  |
| 42            | 95 663    | 0.00179   | 95 578    | 35.80                 | 36.54                 | 92            | 7 588     | 0.22041   | 6 726     | 3.59                  | 3.78                  |
| 43            | 95 492    | 0.00190   | 95 402    | 34.87                 | 35.61                 | 93            | 5 916     | 0.23136   | 5 207     | 3.46                  | 3.65                  |
| 44            | 95 310    | 0.00204   | 95 214    | 33.93                 | 34.68                 | 94            | 4 547     | 0.23942   | 3 981     | 3.36                  | 3.54                  |
| 45            | 95 116    | 0.00220   | 95 012    | 33.00                 | 33.75                 | 95            | 3 458     | 0.24563   | 3 016     | 3.27                  | 3.45                  |
| 46            | 94 906    | 0.00239   | 94 795    | 32.07                 | 32.82                 | 96            | 2 609     | 0.25199   | 2 266     | 3.17                  | 3.36                  |
| 47            | 94 680    | 0.00260   | 94 559    | 31.15                 | 31.90                 | 97            | 1 952     | 0.25961   | 1 687     | 3.08                  | 3.26                  |
| 48            | 94 434    | 0.00285   | 94 301    | 30.23                 | 30.98                 | 98            | 1 445     | 0.26693   | 1 243     | 3.00                  | 3.17                  |
| 49            | 94 164    | 0.00314   | 94 019    | 29.31                 | 30.07                 | 99            | 1 059     | 0.27427   | 907       | 2.91                  | 3.09                  |

(a) See paragraph 16 of the Explanatory Notes.

*lx* number of persons at exact age *x**qx* proportion dying between exact age and exact age + 1*Lx* number of persons surviving at age *x* last birthday*e<sup>o</sup>x* complete expectation of life at exact age *x*

4.3 Life Table(a)—1997–1999 *continued*

| FEMALES.....  |                       |                       |                       |                                    |                                    |               |                       |                       |                       |                                    |                                    |
|---------------|-----------------------|-----------------------|-----------------------|------------------------------------|------------------------------------|---------------|-----------------------|-----------------------|-----------------------|------------------------------------|------------------------------------|
| TASMANIA..... |                       |                       |                       |                                    |                                    | TASMANIA..... |                       |                       |                       |                                    |                                    |
| Aust.         |                       |                       |                       |                                    |                                    | Aust.         |                       |                       |                       |                                    |                                    |
| Age (years)   | <i>l</i> <sub>x</sub> | <i>q</i> <sub>x</sub> | <i>L</i> <sub>x</sub> | <i>e</i> <sup>o</sup> <sub>x</sub> | <i>e</i> <sup>o</sup> <sub>x</sub> | Age (years)   | <i>l</i> <sub>x</sub> | <i>q</i> <sub>x</sub> | <i>L</i> <sub>x</sub> | <i>e</i> <sup>o</sup> <sub>x</sub> | <i>e</i> <sup>o</sup> <sub>x</sub> |
| 0             | 100 000               | 0.00529               | 99 535                | 80.68                              | 81.77                              | 50            | 96 413                | 0.00261               | 96 289                | 32.54                              | 33.53                              |
| 1             | 99 471                | 0.00051               | 99 443                | 80.10                              | 81.17                              | 51            | 96 162                | 0.00287               | 96 026                | 31.62                              | 32.60                              |
| 2             | 99 420                | 0.00034               | 99 403                | 79.14                              | 80.21                              | 52            | 95 886                | 0.00315               | 95 737                | 30.71                              | 31.68                              |
| 3             | 99 386                | 0.00028               | 99 372                | 78.17                              | 79.23                              | 53            | 95 584                | 0.00346               | 95 421                | 29.81                              | 30.76                              |
| 4             | 99 358                | 0.00025               | 99 346                | 77.19                              | 78.24                              | 54            | 95 254                | 0.00380               | 95 075                | 28.91                              | 29.84                              |
| 5             | 99 333                | 0.00022               | 99 322                | 76.21                              | 77.26                              | 55            | 94 892                | 0.00417               | 94 697                | 28.02                              | 28.94                              |
| 6             | 99 312                | 0.00018               | 99 303                | 75.23                              | 76.27                              | 56            | 94 496                | 0.00458               | 94 283                | 27.13                              | 28.03                              |
| 7             | 99 294                | 0.00015               | 99 286                | 74.24                              | 75.28                              | 57            | 94 063                | 0.00503               | 93 830                | 26.26                              | 27.14                              |
| 8             | 99 278                | 0.00013               | 99 272                | 73.25                              | 74.29                              | 58            | 93 591                | 0.00551               | 93 336                | 25.39                              | 26.25                              |
| 9             | 99 265                | 0.00012               | 99 259                | 72.26                              | 73.29                              | 59            | 93 075                | 0.00604               | 92 798                | 24.52                              | 25.37                              |
| 10            | 99 253                | 0.00011               | 99 248                | 71.27                              | 72.30                              | 60            | 92 513                | 0.00662               | 92 211                | 23.67                              | 24.49                              |
| 11            | 99 242                | 0.00012               | 99 236                | 70.28                              | 71.31                              | 61            | 91 900                | 0.00724               | 91 572                | 22.82                              | 23.62                              |
| 12            | 99 231                | 0.00013               | 99 224                | 69.29                              | 70.31                              | 62            | 91 235                | 0.00792               | 90 879                | 21.99                              | 22.76                              |
| 13            | 99 218                | 0.00016               | 99 210                | 68.30                              | 69.32                              | 63            | 90 513                | 0.00866               | 90 126                | 21.16                              | 21.91                              |
| 14            | 99 202                | 0.00020               | 99 192                | 67.31                              | 68.33                              | 64            | 89 729                | 0.00946               | 89 311                | 20.34                              | 21.07                              |
| 15            | 99 181                | 0.00025               | 99 169                | 66.32                              | 67.35                              | 65            | 88 881                | 0.01034               | 88 427                | 19.53                              | 20.23                              |
| 16            | 99 156                | 0.00030               | 99 141                | 65.34                              | 66.36                              | 66            | 87 961                | 0.01133               | 87 470                | 18.73                              | 19.40                              |
| 17            | 99 126                | 0.00034               | 99 109                | 64.36                              | 65.38                              | 67            | 86 965                | 0.01243               | 86 432                | 17.94                              | 18.59                              |
| 18            | 99 092                | 0.00037               | 99 074                | 63.38                              | 64.41                              | 68            | 85 884                | 0.01368               | 85 305                | 17.15                              | 17.78                              |
| 19            | 99 055                | 0.00038               | 99 036                | 62.40                              | 63.43                              | 69            | 84 710                | 0.01509               | 84 079                | 16.39                              | 16.98                              |
| 20            | 99 017                | 0.00038               | 98 998                | 61.43                              | 62.46                              | 70            | 83 431                | 0.01670               | 82 744                | 15.63                              | 16.20                              |
| 21            | 98 979                | 0.00038               | 98 961                | 60.45                              | 61.48                              | 71            | 82 038                | 0.01853               | 81 289                | 14.89                              | 15.43                              |
| 22            | 98 942                | 0.00036               | 98 924                | 59.47                              | 60.51                              | 72            | 80 518                | 0.02059               | 79 701                | 14.16                              | 14.67                              |
| 23            | 98 906                | 0.00036               | 98 888                | 58.49                              | 59.53                              | 73            | 78 860                | 0.02291               | 77 969                | 13.44                              | 13.93                              |
| 24            | 98 871                | 0.00036               | 98 853                | 57.52                              | 58.56                              | 74            | 77 053                | 0.02552               | 76 083                | 12.75                              | 13.21                              |
| 25            | 98 835                | 0.00037               | 98 817                | 56.54                              | 57.58                              | 75            | 75 086                | 0.02843               | 74 033                | 12.07                              | 12.50                              |
| 26            | 98 799                | 0.00038               | 98 780                | 55.56                              | 56.60                              | 76            | 72 951                | 0.03168               | 71 811                | 11.41                              | 11.81                              |
| 27            | 98 762                | 0.00039               | 98 742                | 54.58                              | 55.63                              | 77            | 70 640                | 0.03533               | 69 408                | 10.76                              | 11.14                              |
| 28            | 98 723                | 0.00041               | 98 703                | 53.60                              | 54.65                              | 78            | 68 144                | 0.03948               | 66 816                | 10.14                              | 10.49                              |
| 29            | 98 682                | 0.00043               | 98 661                | 52.62                              | 53.68                              | 79            | 65 454                | 0.04418               | 64 025                | 9.53                               | 9.86                               |
| 30            | 98 640                | 0.00046               | 98 617                | 51.64                              | 52.70                              | 80            | 62 562                | 0.04953               | 61 030                | 8.95                               | 9.26                               |
| 31            | 98 594                | 0.00049               | 98 570                | 50.67                              | 51.73                              | 81            | 59 463                | 0.05559               | 57 827                | 8.39                               | 8.68                               |
| 32            | 98 546                | 0.00052               | 98 520                | 49.69                              | 50.75                              | 82            | 56 158                | 0.06243               | 54 421                | 7.86                               | 8.12                               |
| 33            | 98 494                | 0.00057               | 98 467                | 48.72                              | 49.78                              | 83            | 52 651                | 0.07012               | 50 820                | 7.35                               | 7.59                               |
| 34            | 98 439                | 0.00061               | 98 409                | 47.74                              | 48.81                              | 84            | 48 959                | 0.07872               | 47 045                | 6.86                               | 7.08                               |
| 35            | 98 378                | 0.00066               | 98 346                | 46.77                              | 47.84                              | 85            | 45 105                | 0.08827               | 43 124                | 6.41                               | 6.61                               |
| 36            | 98 313                | 0.00072               | 98 278                | 45.80                              | 46.87                              | 86            | 41 124                | 0.09883               | 39 097                | 5.98                               | 6.16                               |
| 37            | 98 242                | 0.00079               | 98 204                | 44.84                              | 45.90                              | 87            | 37 060                | 0.11043               | 35 013                | 5.58                               | 5.75                               |
| 38            | 98 165                | 0.00086               | 98 123                | 43.87                              | 44.93                              | 88            | 32 967                | 0.12311               | 30 932                | 5.21                               | 5.36                               |
| 39            | 98 080                | 0.00094               | 98 034                | 42.91                              | 43.97                              | 89            | 28 908                | 0.13682               | 26 919                | 4.87                               | 5.01                               |
| 40            | 97 987                | 0.00103               | 97 938                | 41.95                              | 43.01                              | 90            | 24 953                | 0.15124               | 23 048                | 4.56                               | 4.69                               |
| 41            | 97 886                | 0.00113               | 97 832                | 40.99                              | 42.05                              | 91            | 21 179                | 0.16598               | 19 397                | 4.29                               | 4.41                               |
| 42            | 97 776                | 0.00124               | 97 716                | 40.04                              | 41.09                              | 92            | 17 664                | 0.18085               | 16 037                | 4.04                               | 4.15                               |
| 43            | 97 655                | 0.00136               | 97 589                | 39.09                              | 40.13                              | 93            | 14 469                | 0.19517               | 13 025                | 3.83                               | 3.93                               |
| 44            | 97 522                | 0.00149               | 97 451                | 38.14                              | 39.18                              | 94            | 11 645                | 0.20826               | 10 399                | 3.63                               | 3.73                               |
| 45            | 97 377                | 0.00163               | 97 299                | 37.19                              | 38.23                              | 95            | 9 220                 | 0.22010               | 8 173                 | 3.46                               | 3.55                               |
| 46            | 97 218                | 0.00179               | 97 132                | 36.25                              | 37.28                              | 96            | 7 191                 | 0.23123               | 6 331                 | 3.30                               | 3.39                               |
| 47            | 97 044                | 0.00197               | 96 950                | 35.32                              | 36.34                              | 97            | 5 528                 | 0.24239               | 4 833                 | 3.15                               | 3.23                               |
| 48            | 96 853                | 0.00216               | 96 749                | 34.39                              | 35.40                              | 98            | 4 188                 | 0.25419               | 3 635                 | 3.01                               | 3.08                               |
| 49            | 96 643                | 0.00238               | 96 530                | 33.46                              | 34.46                              | 99            | 3 124                 | 0.26667               | 2 689                 | 2.87                               | 2.94                               |

(a) See paragraph 16 of the Explanatory Notes.

*l*<sub>x</sub> number of persons at exact age *x**q*<sub>x</sub> proportion dying between exact age and exact age + 1*L*<sub>x</sub> number of persons surviving at age *x* last birthday*e*<sup>o</sup><sub>x</sub> complete expectation of life at exact age *x*

## 4.4 DEATHS, Selected Causes of death, Sex, 1999(a)

| Cause of death  | Males        | Females      | Persons      | Proportion<br>of all deaths | Rate         |
|---|--------------|--------------|--------------|-----------------------------|--------------|
|   | no.          | no.          | no.          | (%)                         | (b)          |
| Certain infectious and parasitic diseases (A00–B99)   | 18           | 24           | 42           | 1.0                         | 8.9          |
| Neoplasms (C00–D48)   | 565          | 470          | 1 035        | 27.4                        | 219.8        |
| Malignant neoplasms (C00–C97)   | 554          | 460          | 1 014        | 26.8                        | 215.4        |
| Endocrine, nutritional and metabolic diseases (E00–E90)   | 52           | 67           | 119          | 3.1                         | 25.3         |
| Mental and behavioural disorders (F00–F99)  | 33           | 29           | 62           | 1.6                         | 13.2         |
| Diseases of the nervous system (G00–G99)  | 48           | 64           | 112          | 3.0                         | 23.8         |
| Diseases of the circulatory system (I00–I99)  | 740          | 761          | 1 501        | 39.7                        | 318.8        |
| All heart diseases (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)                                | 516          | 500          | 1 016        | 26.9                        | 215.8        |
| Ischaemic heart diseases (I20–I25)  | 417          | 366          | 783          | 20.7                        | 166.3        |
| Cerebrovascular diseases (I60–I69)  | 149          | 190          | 339          | 9.0                         | 72.0         |
| Diseases of the respiratory system (J00–J99)  | 176          | 149          | 325          | 8.6                         | 69.0         |
| Diseases of the digestive system (K00–K93)  | 45           | 72           | 117          | 3.1                         | 24.9         |
| Diseases of the musculoskeletal system and connective tissue (M00–M99)                            | 12           | 13           | 25           | 0.7                         | 5.3          |
| Diseases of the genitourinary system (N00–N99)  | 37           | 40           | 77           | 2.0                         | 16.4         |
| Certain conditions originating in the perinatal period (P00–P96)                                  | 16           | 8            | 24           | 0.6                         | 5.1          |
| Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)                    | 8            | 12           | 20           | 0.5                         | 4.2          |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99) | 27           | 26           | 53           | 1.4                         | 11.3         |
| External causes of morbidity and mortality (V01–Y98)  | 172          | 84           | 256          | 6.8                         | 54.4         |
| Transport accidents, excluding water, air and space accidents (V01–V89)                           | 44           | 22           | 66           | 1.7                         | 14.0         |
| Intentional self-harm (X60–X84)   | 68           | 10           | 78           | 2.1                         | 16.6         |
| <b>All causes of death</b>  | <b>1 954</b> | <b>1 829</b> | <b>3 783</b> | <b>100.0</b>                | <b>803.5</b> |

(a) Classified according to the tenth revision of the World Health Organisation's International Classification of Diseases (ICD).

(b) Deaths per 100,000 population.



#### 4.5 DEATHS, Selected Causes of death, Summary, 1999(a)

|                                   | CAUSE OF DEATH(b).....     |                           |                                  |   |  |                              |                   |
|-----------------------------------|----------------------------|---------------------------|----------------------------------|---|--|------------------------------|-------------------|
|                                   | <i>Malignant neoplasms</i> | <i>All heart diseases</i> | <i>Cerebro-vascular diseases</i> | <i>Diseases of the respiratory system</i> | <i>Transport accidents, excluding water, air and space accidents</i> | <i>Intentional self-harm</i> | <i>All causes</i> |
| .....                             |                            |                           |                                  |   |  |                              |                   |
| Numbers                           |                            |                           |                                  |   |  |                              |                   |
| Males                             | 554                        | 516                       | 149                              | 176                                       | 44   | 68                           | 1 954             |
| Females                           | 460                        | 500                       | 190                              | 149                                       | 22   | 10                           | 1 829             |
| Persons                           | 1 014                      | 1 016                     | 339                              | 325                                       | 66   | 78                           | 3 783             |
| .....                             |                            |                           |                                  |   |  |                              |                   |
| Proportions by sex (%)            |                            |                           |                                  |   |  |                              |                   |
| Males                             | 54.6                       | 50.8                      | 44.0                             | 54.2                                      | 66.7   | 87.2                         | 51.7              |
| Females                           | 45.4                       | 49.2                      | 56.0                             | 45.8                                      | 33.3   | 12.8                         | 48.3              |
| Persons                           | 100.0                      | 100.0                     | 100.0                            | 100.0                                     | 100.0  | 100.0                        | 100.0             |
| .....                             |                            |                           |                                  |   |  |                              |                   |
| Proportions by cause of death (%) |                            |                           |                                  |   |  |                              |                   |
| Males                             | 28.4                       | 26.4                      | 7.6                              | 9.0                                       | 2.3  | 3.5                          | 100.0             |
| Females                           | 25.2                       | 27.3                      | 10.4                             | 8.1                                       | 1.2  | 0.5                          | 100.0             |
| Persons                           | 26.8                       | 26.9                      | 9.0                              | 8.6                                       | 1.7  | 2.1                          | 100.0             |
| .....                             |                            |                           |                                  |   |  |                              |                   |
| Crude death rate(c)               |                            |                           |                                  |   |  |                              |                   |
| Males                             | 238.8                      | 222.4                     | 64.2                             | 75.9                                      | 19.0   | 29.3                         | 842.3             |
| Females                           | 192.6                      | 209.4                     | 79.6                             | 62.4                                      | 9.2  | 4.2                          | 765.8             |
| Persons                           | 215.4                      | 215.8                     | 72.0                             | 69.0                                      | 14.0   | 16.6                         | 803.5             |
| .....                             |                            |                           |                                  |   |  |                              |                   |
| Standardised death rate(d)        |                            |                           |                                  |   |  |                              |                   |
| Tasmania                          | 180.2                      | 166.3                     | 54.5                             | 54.1                                      | 14.4   | 16.9                         | 649.8             |
| Australia                         | 165.7                      | 156.3                     | 52.9                             | 43.2                                      | 10.2   | 13.0                         | 586.0             |

(a) Classified according to the tenth revision of the World Health Organisation's International Classification of Diseases (ICD).

(b) Comprising the following: malignant neoplasms (ICD codes C00–C97); all heart diseases (ICD codes I05–I09, I11, I13, I20–I25, I26, I27, I30–I52); cerebrovascular diseases (ICD codes I60–I69); diseases of the respiratory system (ICD codes J00–J99); transport accidents, excluding water, air and space accidents (V01–V89); and intentional self-harm (ICD codes X60–X84).

(c) Deaths per 100,000 population.

(d) Deaths per 100,000 population, standardised for age and sex using the 1991 Australian population as the standard population.

## SECTION 5

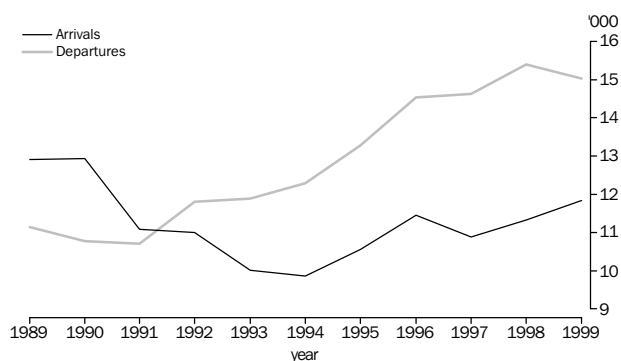
## MIGRATION .....

### Interstate migration

In 1999, 15,023 people left Tasmania to go interstate. This is 380 less than the number departing in 1998 and is the first time there has been a downturn in the number of people leaving Tasmania for other Australian States and Territories since 1989. The net interstate migration loss in 1999 was 3,191 compared to 4,080 in 1998. The last time there was a net gain from interstate migration was in 1991 when 371 more persons arrived in Tasmania than departed.

The largest number of people leaving Tasmania in 1999 went to Victoria (4,412), compared to 3,905 who went to Queensland, and 2,996 who went to New South Wales. The largest number of arrivals from interstate came from Victoria (2,867), followed by 2,298 from Queensland and 2,278 from New South Wales. Interstate arrivals to Tasmania have remained relatively stable over the past 10 years, whereas interstate departures have shown a consistent increase up until 1999.

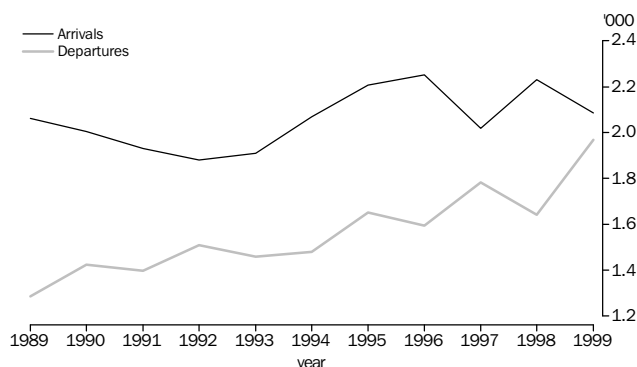
#### INTERSTATE ARRIVALS AND DEPARTURES



### Overseas migration

In 1999, 1,969 people left Tasmania for overseas destinations, while 2,084 people chose to settle here. Permanent and long term overseas migration has traditionally produced a net population gain for Tasmania. In 1999, the net overseas migration gain was 13 compared to the net 1989 figure of 756. The only net overseas migration loss was recorded in 1997 (-16).

#### OVERSEAS ARRIVALS AND DEPARTURES



Note: Category jumping not included. See Glossary.

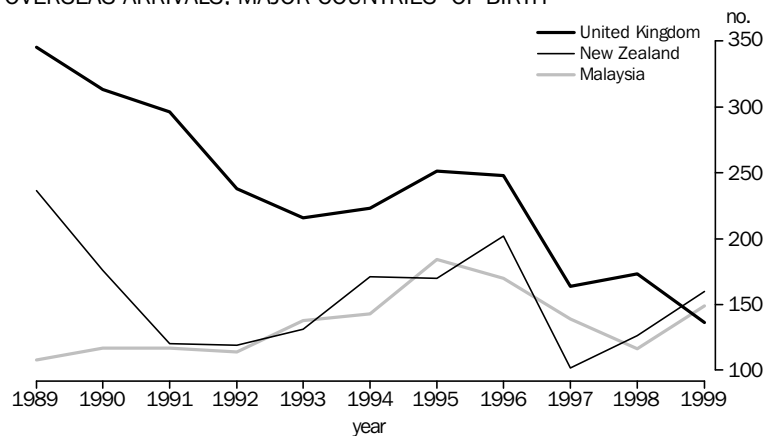
## Country of Birth

Of the 1,547 permanent and long term overseas arrivals to Tasmania in 1999, 160 were born in New Zealand, while 151 were born in Malaysia, and 134 were born in the United Kingdom. Other countries where significant numbers of permanent and long term arrivals to Tasmanian were born were Singapore (64), South Africa (58), and South Korea (57).

In 1989, the pattern was significantly different. People born in the United Kingdom formed the largest single group of permanent and long term overseas arrivals to Tasmania (345), while New Zealand provided 236 people, followed by Malaysia (108), the Philippines (56), and the United States of America (51).

People born in the United Kingdom, New Zealand, and Malaysia have formed the three largest groups of permanent and long-term overseas arrivals to Tasmania over the past 10 years, although both New Zealand and Malaysian born arrivals exceeded the number of those born in the United Kingdom for the first time in 1999.

OVERSEAS ARRIVALS. MAJOR COUNTRIES OF BIRTH



In 1999, 183 people born in the United Kingdom left Tasmania for an overseas destination, while 96 born in New Zealand, 53 born in the United States of America, and 38 born in Japan also left the state for an overseas destination.

As in 1999, the largest number of people leaving Tasmania for overseas destinations in 1989 were born in the United Kingdom (165), followed by 60 people born in Malaysia, and 60 born in New Zealand, 30 born in the United States of America, and 25 born in Polynesia.

## Migration by age group

In 1999 the highest net overseas migration figures were recorded in the younger age groups, with a net figure of 72 being recorded in the 15–19 year age group, and 50 being recorded in the 20–24 year age group. Conversely, the largest net interstate migration losses were recorded in the 20–24, and 15–19 year age groups with net losses of 802 and 717 persons respectively.

## 5.1 MIGRATION, Summary(a)

|                                  | 1989         | 1994          | 1995          | 1996          | 1997          | 1998          | 1999          |
|----------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| OVERSEAS MIGRATION               |              |               |               |               |               |               |               |
| Permanent movement               |              |               |               |               |               |               |               |
| Arrivals                         | 881          | 518           | 548           | 463           | 399           | 443           | 426           |
| Departures(b)                    | 288          | 325           | 364           | 321           | 378           | 366           | 421           |
| Former settlers                  | 127          | 135           | 133           | 122           | 145           | n.a.          | n.a.          |
| Other Australian residents       | 161          | 190           | 231           | 199           | 233           | n.a.          | n.a.          |
| Net                              | 593          | 193           | 184           | 142           | 21            | 77            | 5             |
| Long-term movement               |              |               |               |               |               |               |               |
| Arrivals                         | 1 179        | 1 551         | 1 659         | 1 788         | 1 619         | 1 789         | 1 658         |
| Australian residents returning   | 763          | 883           | 888           | 982           | 904           | 1 117         | 880           |
| Overseas visitors arriving       | 416          | 668           | 771           | 806           | 715           | 672           | 778           |
| Departures                       | 1 126        | 1 289         | 1 421         | 1 395         | 1 549         | 1 353         | 1 548         |
| Australian residents departing   | 844          | 867           | 900           | 890           | 1 006         | 1 049         | 1 029         |
| Overseas visitors departing      | 282          | 422           | 521           | 505           | 543           | 304           | 519           |
| Net                              | 53           | 262           | 238           | 393           | 70            | 436           | 110           |
| Category jumping                 | 118          | -243          | -12           | -76           | -103          | 112           | -102          |
| <b>Net overseas migration(c)</b> | <b>756</b>   | <b>212</b>    | <b>406</b>    | <b>456</b>    | <b>-16</b>    | <b>625</b>    | <b>13</b>     |
| Short-term movements ('000)      |              |               |               |               |               |               |               |
| Arrivals                         | 33.5         | 42.3          | 45.2          | 45.2          | 55.0          | 51.7          | 52.7          |
| Australian residents returning   | 20.5         | 24.3          | 26.7          | 26.7          | 30.8          | 28.3          | 31.2          |
| Overseas visitors arriving       | 13.0         | 18.0          | 18.5          | 18.5          | 24.2          | 23.4          | 21.6          |
| Departures                       | 36.8         | 43.8          | 53.7          | 53.7          | 56.4          | 54.4          | 61.3          |
| Australian residents departing   | 22.2         | 23.6          | 27.7          | 27.7          | 29.6          | 29.5          | 31.6          |
| Overseas visitors departing      | 14.7         | 20.3          | 25.9          | 25.9          | 26.8          | 24.9          | 29.7          |
| INTERSTATE MIGRATION             |              |               |               |               |               |               |               |
| Arrivals                         | 12 905       | 9 864         | 10 546        | 11 446        | 10 878        | 11 323        | 11 832        |
| Departures                       | 11 149       | 12 292        | 13 277        | 14 540        | 14 617        | 15 403        | 15 023        |
| <b>Net interstate migration</b>  | <b>1 756</b> | <b>-2 428</b> | <b>-2 731</b> | <b>-3 094</b> | <b>-3 739</b> | <b>-4 080</b> | <b>-3 191</b> |

(a) See Glossary for definitions of terms used.

(b) Due to the introduction of revised passenger cards from July 1998, permanent departures are not identifiable as Former settlers or Other Australian residents.

(c) For the years 1989, 1995, 1996 and 1997, net overseas migration data for Other Territories was randomly allocated to the States and Territories. For these years the sum of the components may therefore not equal net overseas migration.

## 5.2 NET MIGRATION, Age

### NET MIGRATION.....

| <i>Age group (years)</i> | <i>Overseas</i> | <i>Interstate</i> |
|--------------------------|-----------------|-------------------|
| 0-4                      | 23              | -172              |
| 5-9                      | 14              | -236              |
| 10-14                    | 11              | -272              |
| 15-19                    | 72              | -717              |
| 20-24                    | 50              | -802              |
| 25-29                    | -46             | -432              |
| 30-34                    | -13             | -191              |
| 35-39                    | -7              | -226              |
| 40-44                    | -37             | -202              |
| 45-49                    | -42             | -103              |
| 50-54                    | —               | -49               |
| 55-59                    | -17             | 68                |
| 60-64                    | 16              | 26                |
| 65-69                    | —               | 50                |
| 70-74                    | -4              | 47                |
| 75-79                    | —               | —                 |
| 80-84                    | -3              | —                 |
| 85 and over              | —               | 20                |
| <b>Total</b>             | <b>13</b>       | <b>-3 191</b>     |

## 5.3 PERMANENT ARRIVALS, Birthplace

| <i>Birthplace</i>                | <i>Arrivals.....</i> |              | <i>Proportion</i> | <i>Proportion</i> | <i>Median</i> |
|----------------------------------|----------------------|--------------|-------------------|-------------------|---------------|
|                                  | <i>no.</i>           | <i>%</i>     | <i>male</i>       | <i>female</i>     | <i>age</i>    |
|                                  |                      |              | <i>%</i>          | <i>%</i>          | <i>years</i>  |
| <b>Selected countries</b>        |                      |              |                   |                   |               |
| New Zealand                      | 120                  | 28.2         | 51.7              | 48.3              | 22.0          |
| United Kingdom                   | 53                   | 12.4         | 64.2              | 35.8              | (a)           |
| <b>Regions</b>                   |                      |              |                   |                   |               |
| Oceania and Antarctica           | 127                  | 29.8         | 49.6              | 50.4              | 21.5          |
| North-West Europe                | 85                   | 20.0         | 62.4              | 37.6              | (a)           |
| Southern and Eastern Europe      | 43                   | 10.1         | 39.5              | 60.5              | (a)           |
| North Africa and the Middle East | 27                   | 6.3          | 48.1              | 51.9              | (a)           |
| South-East Asia                  | 34                   | 8.0          | 26.5              | 73.5              | (a)           |
| North-East Asia                  | 27                   | 6.3          | 51.9              | 48.1              | (a)           |
| Southern and Central Asia        | 25                   | 5.9          | 56.0              | 44.0              | (a)           |
| Americas                         | 35                   | 8.2          | 57.1              | 42.9              | (a)           |
| Sub-Saharan Africa               | 23                   | 5.4          | 52.2              | 47.8              | (a)           |
| <b>Total</b>                     | <b>426</b>           | <b>100.0</b> | <b>50.5</b>       | <b>49.5</b>       | <b>27.4</b>   |

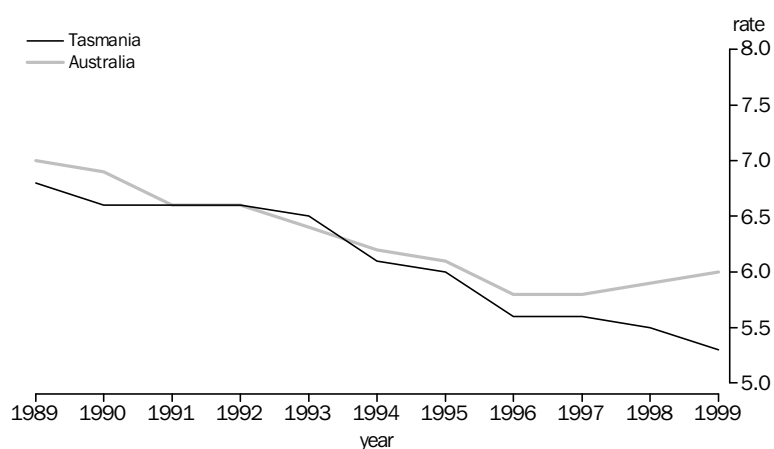
(a) Not statistically reliable due to small numbers involved.

## SECTION 6

## MARRIAGES .....

There were 2,499 marriages registered in Tasmania in 1999. This was a decrease of 20% on the number registered in 1989 (3,111), and a 4% decrease on the number recorded in 1998. The 1999 number is the lowest number of marriages recorded since 1962. The crude marriage rate, the number of marriages per 1,000 population, dropped to 5.3 in 1999. This is the lowest rate recorded since 1896, and is significantly less than the 6.8 per 1,000 population recorded in 1989. The national rate was 6.0 per 1,000 population.

### MARRIAGE RATES, TASMANIA AND AUSTRALIA

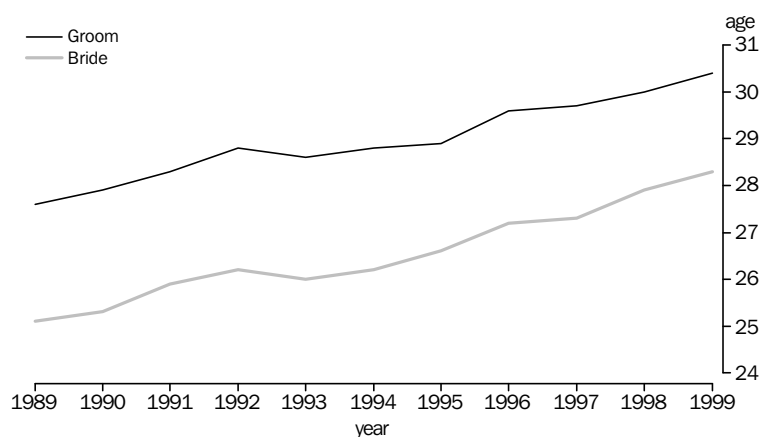


### Marriage age

The median marriage age, (the age at which there are as many marrying above the age as there are marrying below it), for both men and women marrying in Tasmania continued to increase in 1999. The median age at marriage for bridegrooms has increased from 27.6 years in 1989 to 30.5 years in 1999 and for brides from 25.1 years in 1989 to 28.3 years in 1999.

The median age for men and women marrying for the first time has also increased in 1999 to 28.2 years for men and 26.2 years for women.

### MEDIAN AGE OF BRIDE AND GROOM, TASMANIA



## Age of brides and grooms

Between 1989 and 1999 age-specific marriage rates (per 1,000 population) decreased for men and women in most age groups. The peak age for men changed from the 20–24 year age group in 1989 to the 25–29 year age group in 1999. In 1999, the peak age group for women was also the 25–29 year age group, whereas prior to 1997 it had been the 20–24 year age group.

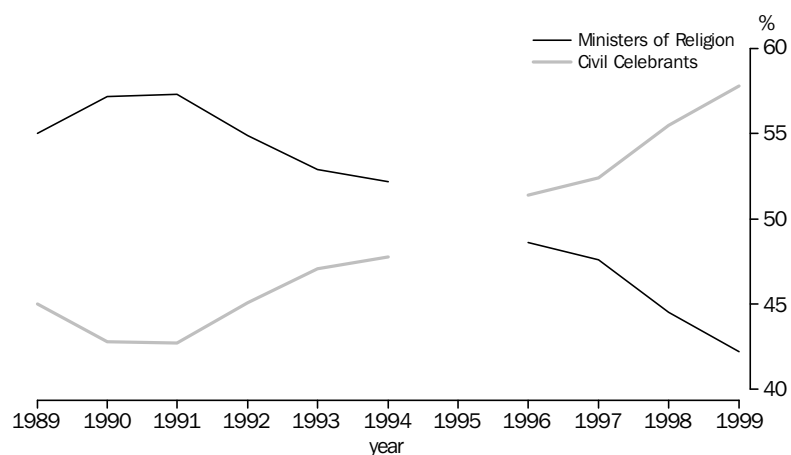
The rate for both men and women in the 35–39 year age group has increased since 1994, from 13.8 per 1,000 population to 16.4 for men, and from 9.4 to 12.6 for women. In the 20–24 year age group, the rates for both men and women have declined over time. For men the rate has fallen from 40.8 per 1,000 population in 1994 to 28.1 in 1999, and for women from 63.1 per 1,000 population in 1994 to 43.1 in 1999.

## Category of celebrant

Between 1989 and 1999 the number of marriages performed in Tasmania by ministers of religion fell by over 38%, and their percentage of all marriages fell from 55% to 42%. Of these marriages in 1999, for 81% of men and 85% of women, this was their first registered marriage. By comparison, of those people married by civil celebrants (58% of all marriages) for just over 64% of men and 63% of women this was their first registered marriage. The proportion of marriages performed by civil celebrants increased to 58% in 1999, compared to 51% in 1996, when the number of marriages performed by civil celebrants first exceeded the number performed by ministers of religion.

In 1999, 12% of all marriages performed in Tasmania were by Anglican ministers, while 11% were by Catholic priests. While the proportion of marriages performed by Anglican ministers fell by just over 1% from the figure recorded in 1998, the proportion performed by Catholic priests rose slightly over the same period.

## PROPORTION OF MARRIAGES PERFORMED



Note: No data is available on category of rite for 1995.



## Remarriages

The number of marriages where at least one partner had previously been married increased in 1999, to the extent that 38% of marriages involved a party remarrying. The proportion of marriages involving a party remarrying has grown over the past 10 years. In 1989, 36% of all marriages involved a party remarrying.

In Tasmania in 1999, 716 men and 692 women remarried. Of these, 656 men, (92%), and 619 women, (90%), remarrying had their previous marriage end in divorce. These proportions are slightly higher for both men and women than the figures recorded in 1998, when 91% and 88% respectively had their previous marriage end in divorce.

### PROPORTION OF REMARRIAGES PREVIOUS MARRIAGE ENDING IN DIVORCE



## 6.1 MARRIAGES, Summary(a)

|                              | 1989         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ALL MARRIAGES                |              |              |              |              |              |              |              |
| <b>Marriages registered</b>  | <b>3 111</b> | <b>2 887</b> | <b>2 840</b> | <b>2 654</b> | <b>2 672</b> | <b>2 599</b> | <b>2 499</b> |
| Crude marriage rate          | 6.8          | 6.1          | 6.0          | 5.6          | 5.6          | 5.5          | 5.3          |
| Previous marital status      |              |              |              |              |              |              |              |
| First marriage both partners | 1 983        | 1 839        | 1 792        | 1 632        | 1 664        | 1 612        | 1 551        |
| First marriage one partner   | 622          | 560          | 555          | 488          | 531          | 481          | 488          |
| Remarriage both partners     | 506          | 488          | 493          | 534          | 477          | 506          | 460          |
| Marriages performed by       |              |              |              |              |              |              |              |
| Ministers of religion        |              |              |              |              |              |              |              |
| Number                       | 1 710        | 1 506        | n.a.         | 1 290        | 1 272        | 1 157        | 1 055        |
| Proportion (%)               | 55.0         | 52.2         | n.a.         | 48.6         | 47.6         | 44.5         | 42.2         |
| Civil celebrants             |              |              |              |              |              |              |              |
| Number                       | 1 401        | 1 381        | n.a.         | 1 364        | 1 400        | 1 442        | 1 444        |
| Proportion (%)               | 45.0         | 47.8         | n.a.         | 51.4         | 52.4         | 55.5         | 57.8         |

(a) See Glossary for definitions of terms used.

6.1 MARRIAGES, Summary(a) *continued*

|                                  | 1989  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| BRIDEGROOM                       |       |       |       |       |       |       |       |
| Age-specific marriage rate       |       |       |       |       |       |       |       |
| Age group (years)                |       |       |       |       |       |       |       |
| 19 and under                     | 2.5   | 1.3   | 0.9   | 0.9   | 1.4   | 0.9   | 1.1   |
| 20–24                            | 54.6  | 40.8  | 36.9  | 33.5  | 31.1  | 28.7  | 28.1  |
| 25–29                            | 54.0  | 54.5  | 56.7  | 50.0  | 53.5  | 52.1  | 48.0  |
| 30–34                            | 25.5  | 27.9  | 29.0  | 26.2  | 29.4  | 30.1  | 31.9  |
| 35–39                            | 13.4  | 13.8  | 14.0  | 14.4  | 15.5  | 15.5  | 16.4  |
| 40–44                            | 10.0  | 9.8   | 8.5   | 10.6  | 10.0  | 11.0  | 9.9   |
| 45–49                            | 8.4   | 6.8   | 9.0   | 9.1   | 8.1   | 7.5   | 7.4   |
| 50 and over                      | 3.9   | 3.9   | 3.5   | 3.6   | 3.4   | 3.7   | 3.7   |
| Marital status of bridegroom     |       |       |       |       |       |       |       |
| Never married                    | 2 249 | 2 098 | 2 064 | 1 864 | 1 913 | 1 830 | 1 783 |
| Widowed                          | 130   | 78    | 72    | 76    | 85    | 70    | 60    |
| Divorced                         | 732   | 711   | 704   | 714   | 674   | 699   | 656   |
| <i>Total</i>                     | 3 111 | 2 887 | 2 840 | 2 654 | 2 672 | 2 599 | 2 499 |
| Median age of bridegroom (years) |       |       |       |       |       |       |       |
| Never married                    | 25.7  | 26.5  | 26.8  | 27.1  | 27.5  | 27.6  | 28.2  |
| Widowed                          | 57.5  | (b)   | (b)   | (b)   | (b)   | (b)   | (b)   |
| Divorced                         | 38.1  | 40.4  | 41.5  | 42.4  | 41.3  | 41.9  | 43.1  |
| <i>All bridegrooms</i>           | 27.6  | 28.8  | 28.9  | 29.6  | 29.7  | 30.0  | 30.5  |
| BRIDE                            |       |       |       |       |       |       |       |
| Age-specific marriage rate       |       |       |       |       |       |       |       |
| Age group (years)                |       |       |       |       |       |       |       |
| 19 and under                     | 14.4  | 6.3   | 5.6   | 5.2   | 4.4   | 4.2   | 4.2   |
| 20–24                            | 74.9  | 63.1  | 59.4  | 52.6  | 50.3  | 48.0  | 43.1  |
| 25–29                            | 38.8  | 46.2  | 48.4  | 43.0  | 52.4  | 48.9  | 46.7  |
| 30–34                            | 19.3  | 19.0  | 19.9  | 21.8  | 21.0  | 23.0  | 25.6  |
| 35–39                            | 10.7  | 9.4   | 10.2  | 11.7  | 12.3  | 12.6  | 12.6  |
| 40–44                            | 7.8   | 7.9   | 7.5   | 8.2   | 6.7   | 7.5   | 7.8   |
| 45–49                            | 6.8   | 6.4   | 7.5   | 7.4   | 6.2   | 6.3   | 6.0   |
| 50 and over                      | 2.0   | 2.3   | 2.0   | 1.8   | 2.1   | 2.0   | 2.2   |
| Marital status of bride          |       |       |       |       |       |       |       |
| Never married                    | 2 339 | 2 140 | 2 075 | 1 888 | 1 946 | 1 875 | 1 807 |
| Widowed                          | 123   | 104   | 84    | 94    | 77    | 85    | 73    |
| Divorced                         | 649   | 643   | 681   | 672   | 649   | 639   | 619   |
| <i>Total</i>                     | 3 111 | 2 887 | 2 840 | 2 654 | 2 672 | 2 599 | 2 499 |
| Median age of bride (years)      |       |       |       |       |       |       |       |
| Never married                    | 23.5  | 24.5  | 24.8  | 25.1  | 25.6  | 25.9  | 26.2  |
| Widowed                          | 50.0  | 53.2  | (b)   | (b)   | (b)   | (b)   | (b)   |
| Divorced                         | 35.8  | 37.8  | 37.9  | 38.1  | 37.9  | 38.2  | 39.2  |
| <i>All brides</i>                | 25.1  | 26.2  | 26.6  | 27.2  | 27.3  | 27.9  | 28.3  |

(a) See Glossary for definitions of terms used.

(b) Not statistically reliable due to the small numbers involved.

## 6.2 MARRIAGES, Age-specific First Marriage and Remarriage Rates—Census years

| Age at marriage (years) | 1971  | 1976  | 1981  | 1986  | 1991  | 1996  |
|-------------------------|-------|-------|-------|-------|-------|-------|
| FIRST MARRIAGES(a)      |       |       |       |       |       |       |
| Age of bridegroom       |       |       |       |       |       |       |
| 15–19                   | 20.4  | 15.9  | 7.9   | 3.4   | 2.4   | 1.0   |
| 20–24                   | 217.7 | 169.0 | 120.9 | 87.7  | 58.0  | 38.8  |
| 25–29                   | 202.5 | 168.5 | 151.0 | 124.1 | 113.5 | 84.0  |
| 30–34                   | 111.9 | 103.0 | 83.6  | 79.3  | 70.4  | 64.5  |
| 35–39                   | 54.1  | 46.2  | 53.3  | 42.5  | 40.6  | 38.2  |
| 40–44                   | 25.5  | 30.6  | 20.9  | 24.9  | 21.9  | 19.4  |
| 45 and over             | 6.9   | n.a.  | 6.5   | 9.1   | 7.4   | 5.9   |
| Age of bride            |       |       |       |       |       |       |
| 15–19                   | 86.1  | 62.7  | 38.5  | 20.7  | 10.4  | 5.3   |
| 20–24                   | 334.5 | 245.5 | 180.6 | 138.1 | 98.0  | 66.8  |
| 25–29                   | 202.5 | 164.3 | 143.5 | 134.9 | 130.4 | 91.4  |
| 30–34                   | 60.2  | 81.8  | 62.0  | 82.1  | 71.5  | 64.1  |
| 35–39                   | 37.9  | 51.8  | 37.9  | 35.5  | 34.8  | 26.9  |
| 40–44                   | 19.1  | 22.5  | 24.4  | 21.4  | 9.6   | 17.1  |
| 45 and over             | 4.8   | n.a.  | 3.2   | 4.3   | 4.9   | 3.9   |
| REMARRIAGES(b)          |       |       |       |       |       |       |
| Age of bridegroom       |       |       |       |       |       |       |
| 15–19                   | —     | —     | —     | —     | —     | —     |
| 20–24                   | 380.0 | 402.6 | 257.7 | 138.3 | 19.8  | 20.4  |
| 25–29                   | 491.5 | 417.2 | 289.5 | 201.6 | 149.5 | 141.1 |
| 30–34                   | 324.5 | 338.2 | 275.8 | 174.5 | 145.4 | 117.6 |
| 35–39                   | 208.3 | 242.0 | 166.7 | 159.2 | 134.3 | 87.8  |
| 40–44                   | 157.2 | 182.3 | 120.2 | 98.4  | 89.1  | 77.2  |
| 45–49                   | 86.0  | 194.2 | 89.4  | 95.0  | 74.4  | 71.9  |
| 50–54                   | 70.2  | 134.5 | 52.9  | 59.9  | 76.0  | 47.0  |
| 55–59                   | 54.2  | 51.8  | 56.3  | 52.6  | 46.3  | 43.4  |
| 60 and over             | 16.6  | 17.7  | 19.5  | 21.9  | 19.3  | 11.2  |
| Age of bride            |       |       |       |       |       |       |
| 15–19                   | —     | 125.0 | —     | —     | —     | —     |
| 20–24                   | 275.9 | 378.5 | 271.9 | 186.4 | 111.6 | 94.0  |
| 25–29                   | 322.0 | 300.4 | 206.5 | 171.9 | 141.0 | 108.5 |
| 30–34                   | 181.8 | 230.9 | 161.1 | 117.2 | 98.2  | 103.8 |
| 35–39                   | 100.3 | 130.4 | 97.4  | 90.1  | 88.5  | 70.2  |
| 40–44                   | 82.0  | 83.7  | 58.6  | 67.7  | 60.9  | 49.3  |
| 45–49                   | 50.9  | 65.6  | 43.2  | 43.9  | 41.6  | 42.7  |
| 50–54                   | 21.7  | 39.6  | 23.4  | 30.5  | 28.6  | 26.9  |
| 55–59                   | 15.3  | 15.4  | 14.3  | 24.4  | 13.2  | 9.3   |
| 60 and over             | 2.9   | 3.1   | 3.4   | 3.7   | 3.9   | 1.8   |

(a) Per 1,000 population of never married men and women. See Glossary.

(b) Per 1,000 population of widowed and divorced men and women. See Glossary.

### 6.3 MARRIAGES, Previous Marital Status of Parties

PREVIOUS MARITAL STATUS  
OF  
BRIDE.....

| <i>Previous marital status<br/>of bridegroom</i> | <i>Never<br/>married</i> | <i>Widowed</i> | <i>Divorced</i> | <i>Total</i> |
|--|--------------------------|----------------|-----------------|--------------|
| NUMBER   |                          |                |                 |              |
| Never married                                    | 1 551                    | 11             | 221             | 1 783        |
| Widowed  | 6                        | 22             | 32              | 60           |
| Divorced   | 250                      | 40             | 366             | 656          |
| Total  | 1 807                    | 73             | 619             | 2 499        |
| PROPORTION (%)                                   |                          |                |                 |              |
| Never married                                    | 62.1                     | 0.4            | 8.8             | 71.3         |
| Widowed  | 0.2                      | 0.9            | 1.3             | 2.4          |
| Divorced   | 10.0                     | 1.6            | 14.6            | 26.3         |
| Total  | 72.3                     | 2.9            | 24.8            | 100.0        |

## 6.4 MARRIAGES, Previous Marital Status of Parties and Category of Rite

| Category of rite       | PREVIOUS MARITAL STATUS<br>OF<br>BRIDEGROOM..... |           |            | PREVIOUS MARITAL STATUS<br>OF<br>BRIDE..... |           |            | All<br>marriages | Proportion of<br>all marriages |
|------------------------|--|-----------|------------|---|-----------|------------|------------------|--------------------------------|
|                        | Never<br>married                                 | Widowed   | Divorced   | Never<br>married                            | Widowed   | Divorced   |                  |                                |
|                        | no.  | no.       | no.        | no.   | no.       | no.        | no.              | %                              |
| Religious(a)           |  |           |            |   |           |            |                  |                                |
| Anglican               | 257  | 8         | 44         | 280   | 6         | 23         | 309              | 12.4                           |
| Baptist                | 48   | —         | 28         | 49  | —         | 27         | 76               | 3.0                            |
| Catholic               | 256  | 3         | 12         | 262   | 3         | 6          | 271              | 10.8                           |
| Churches of Christ     | 23   | —         | 6          | 22  | —         | 7          | 30               | 1.2                            |
| Islam                  | —  | —         | —          | —   | —         | —          | 3                | 0.1                            |
| Lutheran               | —  | —         | —          | —   | —         | —          | —                | —                              |
| Orthodox               | 4  | —         | —          | 4   | —         | —          | 4                | 0.2                            |
| Presbyterian           | 41   | —         | 12         | 44  | —         | 8          | 53               | 2.1                            |
| Uniting Church         | 73   | —         | 25         | 80  | —         | 17         | 98               | 3.9                            |
| Other denominations    | 151  | 5         | 53         | 151   | 7         | 51         | 209              | 8.4                            |
| All religious rites    | 857  | 17        | 181        | 896   | 19        | 140        | 1 055            | 42.2                           |
| Civil                  |  |           |            |   |           |            |                  |                                |
| Official registrars    | 94   | 7         | 55         | 81  | 7         | 68         | 156              | 6.2                            |
| Other civil celebrants | 832  | 36        | 420        | 830   | 47        | 411        | 1 288            | 51.5                           |
| All civil rites        | 926  | 43        | 475        | 911   | 54        | 479        | 1 444            | 57.8                           |
| <b>All marriages</b>   | <b>1 783</b>                                     | <b>60</b> | <b>656</b> | <b>1 807</b>                                | <b>73</b> | <b>619</b> | <b>2 499</b>     | <b>100.0</b>                   |

(a) Under authority of the *Marriage Act 1961*.

# SECTION 7

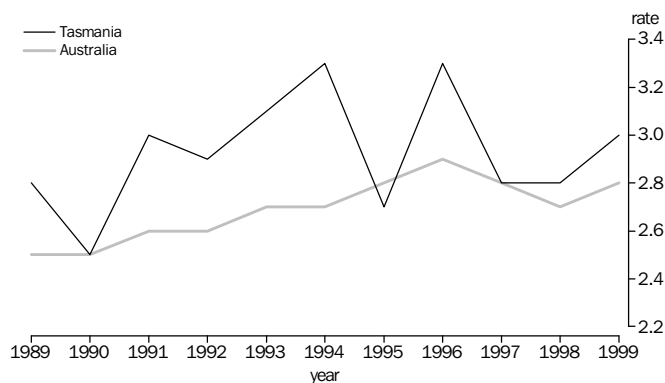
## DIVORCES

There were 1,391 divorces granted in Tasmania in 1999, a significant increase on the numbers recorded in 1997 and 1998. However, this year's figure represents a drop of 12% from the figure recorded in 1996, (1,582) which was the second largest number of divorces granted since the Family Court came into operation under the *Family Law Act 1975*.

### Divorce rates

In 1999, the crude divorce rate of 3.0 divorces registered for every one thousand of population was considerably lower than the 1996 figure of 3.3 per one thousand of population, but slightly higher than the rate recorded in 1989 (2.8 per 1,000 of population).

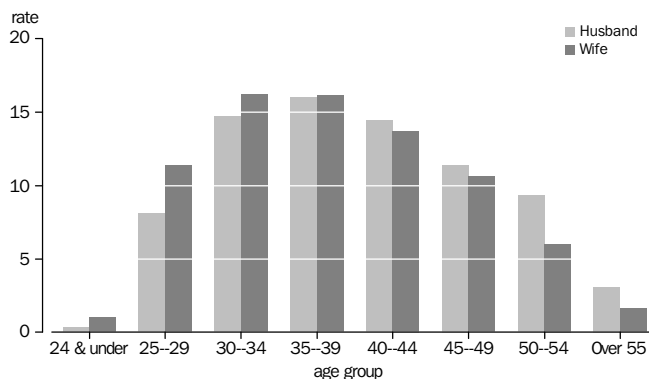
CRUDE DIVORCE RATES TASMANIA AND AUSTRALIA



### Age distribution

The highest age-specific divorce rates recorded in Tasmania in 1999 were in the 35–39 age group for males (16 per 1,000 population) and the 30–34 year age group for females, (16.4 per 1,000 population) whereas in the previous year the highest rates for both males and females were in the 30–34 year age group. The rate for males is a significant increase on the figure recorded in 1998, while that for females decreased over the same period. In 1998, the rate for males in the 35–39 year age group was 15.3 and that for females in the 30–34 year age group was 16.8 per 1,000 of population.

AGE SPECIFIC DIVORCE RATES



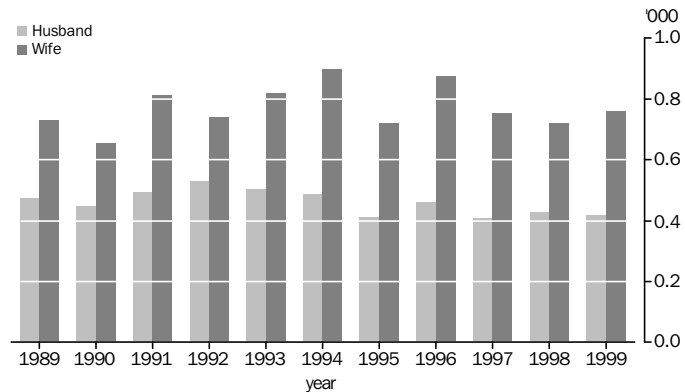
Joint applications

Joint applications for divorce increased slightly in 1999 to 212, from 177 in 1998, but 15% below the peak of 248 recorded in 1996.

Applications by husband or wife

Traditionally, female divorce applicants have outnumbered their male counterparts by almost two to one. In 1999, 64% of non-joint applications were by females. This figure is slightly higher than that recorded in 1998, when 63% of all non-joint applications were by females, and significantly higher than the 1989 figure of 61%.

APPLICATIONS FOR DIVORCE



Divorces involving children under 18

In 1999, 823, or 59% of divorces involved at least one child under 18 years. This is a slight decrease on the percentage recorded in 1989 (64%). There were 2.0 children involved per divorce where there were children in 1999, equalling the figure recorded in 1998, and slightly higher than the figure recorded in both 1996 and 1997 (1.9). In 1999 1,640 children were involved in 823 divorces where there were children, compared with 1,497 children involved in 815 divorces in 1989.

Age of parties at divorce

Of the 1,391 divorces recorded in Tasmania in 1999, the greatest number of divorces occurred where both the husband and wife were in the 35–39 year age group, (135). The next highest number was recorded where both parties were in the 30–34 year age group, (106), followed by 104 divorces where both parties were in the 40–44 year age group, and 96 where the wife was in the 30–34 year age group, and the husband was in the 35–39 year age group.



## 7.1 DIVORCES, Summary(a)

|   | 1989         | 1994         | 1995(b)      | 1996         | 1997         | 1998         | 1999         |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ALL DIVORCES  |              |              |              |              |              |              |              |
| <b>Divorces granted</b>                                       | <b>1 269</b> | <b>1 544</b> | <b>1 279</b> | <b>1 582</b> | <b>1 321</b> | <b>1 322</b> | <b>1 391</b> |
| Crude divorce rate  | 2.8          | 3.3          | 2.7          | 3.3          | 2.8          | 2.8          | 3.0          |
| Median duration of marriage (years)                           | 10.1         | 12.1         | 11.2         | 12.1         | 12.0         | 12.2         | 12.4         |
| Median interval between marriage and final separation (years) | 7.6          | 8.8          | 8.3          | 8.8          | 8.7          | 8.8          | 8.9          |
| Divorces involving children                                   |              |              |              |              |              |              |              |
| Number  | 815          | 939          | n.a.         | 1 013        | 831          | 850          | 823          |
| Proportion of total divorces (%)                              | 64.2         | 60.8         | n.a.         | 64.0         | 62.9         | 64.3         | 59.2         |
| Average number of children                                    | 2.0          | 2.0          | n.a.         | 1.9          | 1.9          | 2.0          | 2.0          |
| Applicant   |              |              |              |              |              |              |              |
| Husband   | 471          | 486          | 410          | 459          | 405          | 426          | 419          |
| Wife  | 728          | 898          | 721          | 875          | 753          | 719          | 760          |
| Joint   | 70           | 160          | 148          | 248          | 163          | 177          | 212          |
| HUSBAND   |              |              |              |              |              |              |              |
| Age-specific divorce rate                                     |              |              |              |              |              |              |              |
| Age group (years)   |              |              |              |              |              |              |              |
| 24 and under  | 1.6          | 0.9          | 1.1          | 1.1          | 0.3          | 0.5          | 0.5          |
| 25–29   | 11.5         | 9.8          | 7.9          | 9.3          | 8.4          | 7.9          | 8.1          |
| 30–34   | 16.8         | 17.1         | 12.6         | 17.0         | 13.5         | 15.4         | 14.7         |
| 35–39   | 11.9         | 17.0         | 14.8         | 17.6         | 15.0         | 15.3         | 16.0         |
| 40–44   | 12.7         | 15.0         | 13.7         | 16.0         | 13.5         | 12.1         | 14.5         |
| 45–49   | 9.7          | 13.0         | 11.3         | 12.8         | 11.5         | 11.2         | 11.5         |
| 50–54   | 8.6          | 11.6         | 9.1          | 11.0         | 8.9          | 9.8          | 9.3          |
| 55 and over   | 2.2          | 2.8          | 1.9          | 3.1          | 2.6          | 2.5          | 3.1          |
| Median age (years)  |              |              |              |              |              |              |              |
| At marriage   | 24.0         | 24.8         | 25.0         | 25.2         | 25.4         | 25.2         | 25.4         |
| At final separation   | 34.5         | 36.7         | 36.6         | 36.9         | 37.0         | 36.9         | 37.6         |
| At decree made absolute                                       | 36.9         | 39.5         | 39.8         | 40.0         | 40.3         | 40.1         | 41.0         |
| WIFE  |              |              |              |              |              |              |              |
| Age-specific divorce rate                                     |              |              |              |              |              |              |              |
| Age group (years)   |              |              |              |              |              |              |              |
| 24 and under  | 3.0          | 2.0          | 2.0          | 1.9          | 1.1          | 1.4          | 1.1          |
| 25–29   | 16.2         | 15.4         | 11.8         | 15.7         | 12.7         | 11.2         | 11.5         |
| 30–34   | 14.7         | 16.6         | 14.3         | 18.5         | 13.9         | 16.8         | 16.4         |
| 35–39   | 12.9         | 17.3         | 14.2         | 16.4         | 15.6         | 14.7         | 16.3         |
| 40–44   | 9.8          | 14.5         | 11.9         | 14.7         | 12.7         | 12.4         | 13.8         |
| 45–49   | 8.8          | 11.4         | 9.6          | 11.8         | 9.3          | 8.6          | 10.7         |
| 50–54   | 6.0          | 7.6          | 6.6          | 6.8          | 6.9          | 7.6          | 6.1          |
| 55 and over   | 1.0          | 1.3          | 0.9          | 1.5          | 1.2          | 1.1          | 1.6          |
| Median age (years)  |              |              |              |              |              |              |              |
| At marriage   | 21.4         | 22.2         | 22.7         | 22.5         | 23.2         | 23.0         | 23.2         |
| At final separation   | 31.7         | 34.1         | 33.9         | 34.1         | 34.7         | 34.6         | 35.3         |
| At decree made absolute                                       | 34.2         | 36.8         | 36.9         | 37.1         | 38.0         | 37.7         | 38.7         |

(a) See Glossary for definitions of terms used.

(b) See paragraph 33 of the Explanatory Notes.

## 7.2 DIVORCES, Age of Parties at Divorce

AGE GROUP OF WIFE  
(YEARS).....

| Age group of<br>husband (years) | 24 and<br>under | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60 and<br>over | Total(a) |
|---------------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|----------------|----------|
| 24 and under                    | 9               | —     | —     | —     | —     | —     | —     | —     | —              | 11       |
| 25-29                           | 16              | 84    | 20    | —     | —     | —     | —     | —     | —              | 125      |
| 30-34                           | 6               | 72    | 106   | 28    | 8     | —     | —     | —     | —              | 224      |
| 35-39                           | —               | 18    | 96    | 135   | 27    | 5     | —     | —     | —              | 285      |
| 40-44                           | —               | 5     | 29    | 91    | 104   | 21    | —     | —     | —              | 254      |
| 45-49                           | —               | —     | 5     | 31    | 84    | 60    | 5     | —     | —              | 191      |
| 50-54                           | —               | —     | —     | 11    | 17    | 62    | 42    | 7     | —              | 142      |
| 55-59                           | —               | —     | —     | —     | 4     | 17    | 32    | 26    | —              | 83       |
| 60 and over                     | —               | —     | —     | —     | —     | 10    | 9     | 18    | 31             | 71       |
| Total(a)                        | 32              | 182   | 261   | 300   | 245   | 177   | 91    | 55    | 36             | 1 391    |

(a) Includes not stated.

### 7.3 DIVORCES, Children of the Marriage and Duration of Marriage(a)

#### NUMBER OF CHILDREN.....

| <i>Duration of marriage (years)</i> | 0          | 1          | 2          | 3          | <i>4 or more</i> | <i>All divorces</i> | <i>All children</i> | <i>Average number of children(b)</i> |
|-------------------------------------|------------|------------|------------|------------|------------------|---------------------|---------------------|--------------------------------------|
| 1                                   | 11         | 6          | —          | —          | —                | 20                  | 15                  | 2.0                                  |
| 2                                   | 30         | 6          | 8          | 4          | —                | 48                  | 34                  | 1.9                                  |
| 3                                   | 27         | 13         | 7          | —          | —                | 48                  | 32                  | 1.5                                  |
| 4                                   | 46         | 15         | 14         | 4          | —                | 81                  | 66                  | 1.9                                  |
| 5                                   | 28         | 18         | 17         | 6          | —                | 69                  | 70                  | 1.7                                  |
| 6                                   | 32         | 18         | 29         | —          | —                | 83                  | 90                  | 1.8                                  |
| 7                                   | 28         | 14         | 16         | 6          | —                | 64                  | 64                  | 1.8                                  |
| 8                                   | 27         | 14         | 18         | 8          | —                | 69                  | 82                  | 2.0                                  |
| 9                                   | 20         | 13         | 16         | 13         | —                | 63                  | 88                  | 2.0                                  |
| 10-14                               | 63         | 43         | 116        | 46         | 13               | 281                 | 468                 | 2.1                                  |
| 15-19                               | 31         | 32         | 95         | 44         | 17               | 219                 | 429                 | 2.3                                  |
| 20-24                               | 55         | 47         | 36         | 11         | 6                | 155                 | 177                 | 1.8                                  |
| 25-29                               | 73         | 18         | —          | —          | —                | 94                  | 25                  | 1.2                                  |
| 30 and over                         | 97         | —          | —          | —          | —                | 97                  | —                   | —                                    |
| <b>Total</b>                        | <b>568</b> | <b>257</b> | <b>375</b> | <b>146</b> | <b>45</b>        | <b>1 391</b>        | <b>1 640</b>        | <b>2.0</b>                           |

(a) See Glossary for definitions of terms used.

(b) Per divorce involving one or more children.

## EXPLANATORY NOTES .....

### INTRODUCTION

**1** This publication brings together a number of related series of statistics on demography including estimated resident population (ERP), births, deaths, migration, marriages and divorces. For details of publication of other data related to demography, see paragraph 39.

**2** As a result of an amendment made in 1992 to the *Acts Interpretation Act, 1901–1973*, the Indian Ocean Territories of Christmas Island and the Cocos (Keeling) Islands have been included as part of geographic Australia, hence another category of the State and Territory classification has been created. This category, known as Other Territories, includes Christmas Island, the Cocos (Keeling) Islands and Jervis Bay Territory. Australian data for population, births, deaths and overseas migration shown in table 1.1 include Other Territories.

### POPULATION

**3** This section consists of ERP, with information on overseas arrivals and departures, net interstate migration and population and household projections.

#### Population estimates

**4** This publication has used the latest 1999 estimates for each particular table.

#### Population projections

**5** Population projections are published twice in each intercensal period. The latest projections are based on the results of the 1996 Census of Population and Housing and relate to the period 1999–2101. These series of projections supersede the 1997-based series, published in July 1998, *Population Projections, 1997–2051* (Cat. no. 3222.0).

**6** The population projections are not intended as predictions or forecasts; they are illustrations of growth and change in the population which would occur if certain specified assumptions about future demographic trends were realised. The projections are based on a combination of assumptions for future levels of births, deaths and migration to arrive at the size, structure and distribution of Australia's population into the next century.

**7** Series I assumes an annual net overseas migration gain of 110,000 from 2001–02, high net internal migration gains and losses for States and Territories, and that the total fertility rate remains at 1.75 births throughout the projection period. Series II assumes an annual net overseas migration gain of 90,000 from 2001–02, medium net internal migration gains and losses for States and Territories, and that the total fertility rate declines to 1.6 births per woman by 2008, and then remains constant. Series III assumes an annual net overseas migration gain of 70,000 from 2001–02, low net internal migration gains and losses for States and Territories, and that the total fertility rate declines to 1.6 births per woman in 2008, and then remains constant. All series assume a constant mortality assumption. The 1986–1996 rate of improvement in life expectancy of 0.30 years per year for males and 0.22 years for females continues until 2001–2003 and then gradually declines, resulting in life expectancy at birth of 83.3 years for males and 86.6 years for females in 2051. After this it remains constant until 2101. For State and Territory specific assumptions refer to *Population Projections, 1999 to 2101* (Cat. no. 3222.0).

POPULATION *continued*

## Household projections

**8** Household projections are estimates of future numbers of households based on assumptions about changing living arrangements of the population, and illustrate what would happen to the number and type of households in Australia if recent trends were to continue over the 25-year projection period (1996–2021). Household projections are not predictions or forecasts.

**9** The ABS uses a propensity method to project numbers of households, which identifies propensities (proportions) from the Census of Population and Housing for people in each five-year age group to be living in different living arrangement types. Trends observed in the propensities over the last three censuses are then projected forward and applied to the projected population. From these projections of living arrangements, numbers of households are derived.

**10** Three projection series are produced, based on three different assumptions about the rate of change in the propensity to belong to different living arrangement types. All series use the same projected population, (series K for Australia 1997–2051). Series A assumes no change; the living arrangement propensities remain constant to 2021. Series B assumes a low rate of change, in which the linear trend in propensities from 1986 to 1996 continues at the full rate of change to 2001, then continues at half the rate of change to 2006, at one-quarter the rate of change to 2011 and then remains constant to 2021. Series C assumes that the 1986–1996 rate of change in propensities continues at the full rate of change to 2021. For a more detailed explanation of the methods and assumptions used see *Household and Family Projections, Australia, 1996–2021* (Cat. no. 3236.0).

## BIRTHS

**11** Birth statistics are presented on the basis of the State or Territory of usual residence of the mother, regardless of where in Australia the birth occurred or was registered.

**12** Births to mothers usually resident in Australia which took place overseas are excluded. Births to mothers usually resident overseas which occurred in Australia are included in the State or Territory where the birth occurred.

**13** Data presented in this publication refer to births registered during the calendar year shown. There is usually an interval between the occurrence and registration of a birth, and, as a result of delay in registration, some births occurring in one year are not registered until the following year, or even later. However, most births are registered soon after they occur. More than 99% of births occurring in one year are registered by 30 June of the following year.

**14** The live birth statistics used to calculate the perinatal death rate have been adjusted to exclude cases where the birthweight was known to be less than 400 grams. However, infant deaths are calculated using all live births registered because figures are not available Australia-wide for infants who weighed less than 400 grams at birth and who lived for 28 days, but who died before they were one year old.

## DEATHS

**15** Death statistics are presented on the basis of the State or Territory of usual residence of the deceased, regardless of where in Australia the death occurred or was registered.

DEATHS *continued*

**16** Data presented in this publication refer to deaths registered during the year shown. There is usually an interval between the occurrence and registration of a death, and as a result some deaths are not registered in the year in which they occur. However, most deaths are registered within six months of occurrence. More than 99% of deaths occurring in one year have been registered by 30 June of the following year.

**17** The 1997–1999 life tables are produced by the ABS. The tables differ from those published prior to the 1995 edition of this bulletin in a number of important respects. They are based on three years of population and deaths data to reduce the impact of year-to-year statistical variations in the age-specific death rates, and further, the age-specific death rates are graduated by actuarial methods. Life tables for the States and Territories are produced on the same principles.

**18** Perinatal deaths comprise stillbirths (fetal deaths) and deaths of infants within the first 28 days of life (neonatal deaths). In previous editions of this publication data relating to perinatal deaths have been based upon the World Health Organisation recommended definition for compiling perinatal statistics. This recommendation states that perinatal statistics should include all fetuses and infants delivered weighing at least 500 grams or, when birthweight is unavailable, of the corresponding gestational age (22 weeks) or body length (25 cm crown–heel), whether alive or dead. From 1997, the ABS has increased the coverage of perinatal deaths by including fetal and neonatal deaths with a birthweight of at least 400 grams or having a gestational age of 20 weeks. This change recognises the availability of reliable 400 gram/20 weeks data from all State and Territory Registrars of Births, Deaths and Marriages and recommendations from major users that the ABS adopt the legal requirement for registration of a perinatal death as a statistical standard.

## Causes of death

**19** For deaths registered in 1999, the tenth revision of the World Health Organisation's International Classification of Diseases (ICD-10) was introduced for the coding of causes of death. Causes of death descriptions and corresponding codes used in this publication, therefore, relate to particular causes or groups of causes as classified in ICD-10. The introduction of ICD-10 has broken the underlying cause of death series, particularly at the more detailed level of classification. For information on the differences between ICD-9 and ICD-10, please refer to *Causes of Death, Australia* (Cat. no. 3303.0).

**20** Deaths registered prior to 1999 are coded on the ninth version of the World Health Organisation's International Classification of Diseases (ICD-9). For cause of death tables, time-series data has been included up to 1998 on ICD-9 and new tables have been constructed commencing from 1999 on ICD-10.

**21** The time-series summary table (table 4.1) includes causes of death data. The 1999 data is coded to ICD-10 and is not directly comparable with previous years presented in the table. The 1999 data in this table relates to:

- Neoplasms (C00-D48);
- Diseases of the circulatory system (I00-I99);
- Diseases of the respiratory system (J00-J99);
- Diseases of the digestive system (K00-K93);
- All other diseases (remainder of A00-T98); and
- External causes (V01-Y98)

from the ICD-10 classification.

## MIGRATION

## Overseas migration

**22** Data on overseas arrivals and departures relate to the number of movements of travellers rather than to the number of travellers. However, the statistics exclude the movements of operational air crew and ships' crew, transit passengers who pass through Australia but are not cleared for entry, and passengers on pleasure cruises commencing and finishing in Australia.

**23** The estimates from July 1976 onwards include an adjustment for the net effect of category jumping. This adjustment is necessary because net permanent and long-term migration figures can be affected by changes in travel intentions from short-term to permanent/long-term or vice versa. Prior to December quarter 1989, adjustments for category jumping were only made to revised population estimates. These adjustments are now included in preliminary estimates. For further details see *Demographic Estimates and Projections: Concepts, Sources and Methods, Statistical Concepts Library*, ABS website <URL: <http://www.abs.gov.au>>.

## Interstate migration

**24** Data on interstate migration have been derived from aggregated statistical information on interstate changes of address advised to the Health Insurance Commission in the process of administering Medicare. The ABS adjusts the Health Insurance Commission data to make allowance for the number of persons who do not inform the Commission of their change of residence. Further details are available in *Demographic Estimates and Projections: Concepts, Sources and Methods, Statistical Concepts Library*, ABS website <URL: <http://www.abs.gov.au>>.

## MARRIAGES

**25** Marriage statistics refer to marriages registered by the Registrar of Births, Deaths and Marriages of Tasmania during the years shown. There is usually an interval between the celebration and the registration of a marriage. As a result of the delay in registration, some marriages celebrated in one year are not registered until the following year. Under the *Marriage Act 1961*, marriages may be celebrated by a minister of religion registered as an authorised celebrant, by a district registrar or by other persons authorised by the Attorney-General. Notice of the intended marriage must be given to the celebrant at least one calendar month, and within six calendar months, before the marriage. A celebrant must transmit an official certificate of the marriage for registration to a District Registrar in the State or Territory in which the marriage took place.

**26** In 1973, the minimum age at which a person may marry without parental consent was reduced from 21 to 18 years, although women were legally free to marry from 16 years with parental consent. Further amendment to the Marriage Act in 1991 designated the minimum age at which both sexes are legally free to marry to be 18 years. Persons between the ages of 16 and 18 years may marry with parental or guardian consent and an order from a judge or magistrate. Any two persons under the age of 18 years may not marry each other.

## DIVORCES

**27** All divorce data in this publication are for State or Territory of registration, based on the location of the Family Court where the divorce was granted and registered. Due to the large number of divorces granted in the ACT where usual residence was in another State, the rates for the ACT are not representative of the ACT population. The number of divorces shown for the ACT is dependent on the number of cases heard by the Family Court in the ACT. As there is no residential requirement under Family Law, applicants may be resident anywhere in Australia.

**28** Under the *Family Law Act 1975*, the only ground on which a divorce may be granted is that of irretrievable breakdown of the marriage. This ground is established by the husband and wife having lived apart for 12 months or more, and there being no reasonable likelihood of reconciliation. Application for nullity of marriage under Family Law legislation must be on the ground that there was a failure to meet a legal requirement, such as that neither party be already lawfully married to another person. There is no provision for judicial separation under Family Law legislation.

**29** Successful applicants for a divorce are initially granted a decree nisi. This becomes absolute after one month, unless it is rescinded or appealed against, or the Family Court is not satisfied that proper arrangements have been made for the welfare of any children involved.

**30** The statistics shown in this publication are compiled by the ABS from information supplied by the Family Court in respect of each application which resulted in the granting of a decree absolute.

**31** In the interpretation of data, it is important to bear in mind that the availability of judges and the complexity of the cases brought before them can affect the number of decrees granted or made absolute in any one year. A rise in numbers may reflect only the clearing of a backlog of cases from an earlier period.

**32** The Family Court of Australia introduced new divorce application forms in February 1995. With the introduction of these forms some data items that had been collected ceased to be available. The data items that are no longer available are:

- Characteristics of the divorce:
  - postcode and State or Territory of separation;
  - rite of marriage; and
  - number of children aged over 18 years.
- Characteristics of the husband and wife:
  - previous marital status at marriage;
  - number of previous marriages;
  - occupation at separation;
  - date of first arrival in Australia; and
  - duration of residence.

**33** In light of the Family Court decision and ABS budgetary considerations, only limited data on divorces registered in 1995 were processed. The data item number of children of the marriage under 18 years was not processed. With the exception of those data items which the Family Court no longer collects, ABS resumed full processing of divorce data from 1996.



## INDIGENOUS BIRTHS AND DEATHS DATA

**34** The coverage of Indigenous births and deaths is affected by the extent to which people are identified as Indigenous. Propensity to identify (the likelihood that a person will identify or be identified as Indigenous) is determined by a range of factors, including who completes the administrative form for registering a birth or death (e.g. a parent, a relative, or an official); the perception of how the information will be used; education programs about identifying as Indigenous; and emotional reaction to identifying as Indigenous. Estimates of the extent of the coverage of Indigenous births are shown in table 3.1. For further details see *Births, Australia* (Cat. no. 3301.0) and *Deaths, Australia* (Cat. no. 3302.0).

## GEOGRAPHIC BOUNDARIES

**35** The geographic boundaries used in this publication are defined in the *Australian Standard Geographical Classification (ASGC) 1999* (Cat. no. 1216.0).

**36** The classification of countries used in this publication is the Standard Australian Classification of Countries (SACC). For more detailed information refer to the ABS publication *Standard Australian Classification of Countries (SACC)* (Cat. no. 1269.0). The SACC is also available in electronic form: *Standard Australian Classification of Countries (SACC) — on Floppy Disk* (Cat. no. 1269.0.15.001). This classification replaces the *Australian Standard Classification of Countries for Social Statistics (ASCCSS)* (Cat. no. 1269.0).

## ACKNOWLEDGMENT

**37** ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

## SUPPRESSION OF SMALL CELLS

**38** For all data in this publication, cell values less than three have been suppressed to assist in the preservation of confidentiality of information.

## RELATED PUBLICATIONS

**39** Other ABS publications which may be of interest include:

*Tasmania at a Glance* (Cat. no. 1314.6)  
*Tasmanian Statistical Indicators* (Cat. no. 1303.6)  
*Tasmania in Focus* (Cat. no. 1307.6)  
*Australian Demographic Statistics* (Cat. no. 3101.0)  
*Australian Demographic Trends* (Cat. no. 3102.0)  
*Births, Australia* (Cat. no. 3301.0)  
*Causes of Death, Australia* (Cat. no. 3303.0)  
*Deaths, Australia* (Cat. no. 3302.0)  
*Demography* (Cat. nos 3311.1–8) (State and Territory specific publications)  
*Experimental Projections of the Aboriginal and Torres Strait Islander Population* (Cat. no. 3231.0)  
*Household and Family Projections, Australia* (Cat. no. 3236.0)  
*Marriages and Divorces, Australia* (Cat. no. 3310.0)  
*Migration, Australia* (Cat. no. 3412.0)  
*Population by Age and Sex, Tasmania* (Cat. no. 3235.6)  
*Population by Age and Sex, Australian States and Territories* (Cat. no. 3201.0)  
*Population Projections* (Cat. no. 3222.0)  
*Regional Population Growth, Australia* (Cat. no. 3218.0)  
*Regional Statistics, Tasmania* (Cat. no. 1313.6)

## ADDITIONAL STATISTICS AVAILABLE

**40** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. These publications are available from any ABS office.

**41** In most cases, the ABS can also make available information which is not published. Appendix 1 lists characteristics processed by the ABS for population, births, deaths, migration, marriages and divorces. For more information about related unpublished statistics or data concepts refer to the contact details supplied in the Inquiries Box at the front of this publication.

# APPENDIX **1** CHARACTERISTICS AVAILABLE .....

The Australian Bureau of Statistics (ABS) can also make available information which is not published. The following characteristics are processed by the ABS. Generally, a charge is made for providing unpublished information.

## ESTIMATED RESIDENT POPULATION

- Aboriginal and Torres Strait Islander population
- Age
- Country of birth
- Marital status
- Sex
- State or Territory of usual residence
- Statistical Local Area of usual residence

## BIRTHS

### Characteristics of the birth

- Date of birth
- Nuptiality
- Plurality
- Sex of child
- State of registration

### Characteristics of the mother and father

- Aboriginal and Torres Strait Islander origin of mother
- Aboriginal and Torres Strait Islander origin of father (if paternity-acknowledged)
- Age of father (if paternity-acknowledged)
- Age of mother
- Country of birth of father (if paternity-acknowledged)
- Country of birth of mother
- Duration of marriage
- Occupation of father
- Previous issue of the current relationship
- State of usual residence (of mother) (includes sub-State data as well)

## DEATHS

- Age at death
- Age at marriage
- Cause of death
- Country of birth
- Country of marriage
- Date of birth
- Date of death
- Date of marriage
- Date of registration
- Duration of residence in Australia
- Indigenous deaths
- Marital status
- Number of children
- Occupation at time of death (or previous occupation, if retired)

DEATHS *continued*

Sex  
 State of registration  
 Usual residence at death

## MIGRATION

Age (date of birth)  
 Australian resident  
     Intended/actual time away from Australia  
     Main reason for journey  
     Country spent/intend to spend most time in  
     State of intended address/lived  
 Category of travel  
 Citizenship (nationality)  
 Country of birth  
 Intention to live in Australia for next 12 months (not available  
 for short-term movements)  
 Marital status (not available for Australia or New Zealand citizens)  
 Occupation (not available for short-term movements)  
 Overseas visitor  
     Intended/actual length of stay  
     Main reason for journey  
     Country of residence  
     State of intended address/in which most time spent  
 Permanent migrant  
     Previous/future country of residence  
     State of intended address/lived  
 Sex  
 State of intended/actual address

## MARRIAGES

## Characteristics of the marriage

Category of celebrant (rites used)  
 Date of marriage  
 Month and year of registration  
 State or Territory of registration

## Characteristics of the bridegroom and bride

Age at marriage  
 Country of birth  
 Country of birth of father  
 Country of birth of mother  
 Date of birth  
 Number of children of previous marriages (not available for 1995)  
 Number of children under 16 years  
 Number of previous marriages  
 Period of residence in Australia if born overseas  
 Premarriage cohabitation (available from 1997)  
 Previous marital status  
 Year of birth of youngest child (not available for 1995)  
 Year of celebration of last marriage (not available for 1995)  
 Year of first previous marriage (not available for 1995)  
 Year of termination of last marriage (not available for 1995)

## DIVORCES

## Characteristics of the divorce

Age of youngest child of the marriage under 18 years  
Date of birth of youngest child of the marriage under 18 years  
Date of filing application  
Date of final separation  
Date of marriage  
Duration of marriage until decree made absolute  
Duration of marriage until separation  
Marriage place  
Month and year of divorce  
Number of children of the marriage under 18 years  
Postcode and State or Territory of separation (available 1993 and 1994 only)  
Registry  
Sex of applicant  
State or Territory of registration

## Characteristics of the husband and wife

Age at divorce  
Age at marriage  
Age at separation  
Country of birth  
Date of birth

## APPENDIX 2 HISTORICAL SUMMARY .....

### ESTIMATED RESIDENT POPULATION AND VITAL STATISTICS

| Year    | Population | Births | Deaths | Infant deaths | Marriages | Divorces | Crude birth rate(a) | Crude death rate(a) | Infant mortality rate(b) | Crude marriage rate(a) |
|---------|------------|--------|--------|---------------|-----------|----------|---------------------|---------------------|--------------------------|------------------------|
| 1911    | 192 925    | 5 456  | 1 931  | 403           | 1 477     | —        | 28.3                | 10.0                | 73.9                     | 7.7                    |
| 1916    | 195 603    | 5 792  | 2 058  | 423           | 1 433     | —        | 29.6                | 10.5                | 73.0                     | 7.3                    |
| 1921    | 218 676    | 5 755  | 2 197  | 451           | 1 668     | —        | 26.3                | 10.4                | 78.4                     | 7.6                    |
| 1926    | 217 575    | 4 988  | 1 912  | 232           | 1 435     | 34       | 22.9                | 8.8                 | 46.5                     | 6.6                    |
| 1931    | 228 464    | 4 762  | 2 057  | 219           | 1 502     | 47       | 20.8                | 9.0                 | 46.0                     | 6.6                    |
| 1936    | 235 773    | 4 581  | 2 387  | 227           | 2 073     | 62       | 19.4                | 10.1                | 50.0                     | 8.8                    |
| 1941    | 242 135    | 5 206  | 2 575  | 255           | 2 150     | 84       | 21.5                | 10.6                | 49.0                     | 8.9                    |
| 1946    | 254 570    | 6 847  | 2 549  | 207           | 2 650     | 219      | 26.9                | 10.0                | 30.2                     | 10.4                   |
| 1951    | 301 787    | 7 357  | 2 567  | 196           | 2 607     | 194      | 24.4                | 8.5                 | 26.6                     | 8.6                    |
| 1956    | 332 810    | 8 104  | 2 513  | 170           | 2 601     | 197      | 24.4                | 7.6                 | 21.0                     | 7.8                    |
| 1961    | 364 134    | 8 982  | 2 789  | 151           | 2 677     | 286      | 24.7                | 7.7                 | 16.8                     | 7.4                    |
| 1966(c) | 373 905    | 7 401  | 3 159  | 108           | 2 946     | 319      | 19.8                | 8.5                 | 14.6                     | 7.9                    |
| 1971(d) | 392 824    | 8 321  | 3 295  | 114           | 3 578     | 432      | 21.2                | 8.4                 | 13.7                     | 9.1                    |
| 1976    | 409 252    | 6 702  | 3 389  | 77            | 3 477     | (e)1761  | 16.4                | 8.3                 | 11.5                     | 8.5                    |
| 1981    | 428 283    | 7 229  | 3 364  | 89            | 3 515     | 1 139    | 16.9                | 7.9                 | 12.3                     | 8.2                    |
| 1986    | 448 235    | 6 950  | 3 454  | 79            | 3 302     | 1 245    | 15.5                | 7.7                 | 11.4                     | 7.4                    |
| 1991    | 468 475    | 6 870  | 3 686  | 62            | 3 069     | 1 383    | 14.7                | 7.9                 | 9.0                      | 6.6                    |
| 1992    | 471 023    | 6 987  | 3 739  | 46            | 3 081     | 1 365    | 14.8                | 7.9                 | 6.6                      | 6.5                    |
| 1993    | 472 541    | 6 835  | 3 637  | 40            | 3 055     | (f)1 465 | 14.5                | 7.7                 | 5.9                      | 6.5                    |
| 1994    | 473 390    | 6 844  | 3 911  | 51            | 2 887     | (f)1 544 | 14.5                | 8.3                 | 7.5                      | 6.1                    |
| 1995    | 474 136    | 6 570  | 3 754  | 38            | 2 840     | 1 279    | 13.9                | 7.9                 | 5.8                      | 6.0                    |
| 1996    | 474 236    | 6 457  | 3 872  | 29            | 2 654     | 1 582    | 13.6                | 8.2                 | 4.5                      | 5.6                    |
| 1997    | 472 618    | 6 007  | 3 809  | 39            | 2 672     | 1 321    | 12.7                | 8.1                 | 6.5                      | 5.6                    |
| 1998    | 471 552    | 5 978  | 3 605  | 34            | 2 599     | 1 322    | 12.7                | 7.6                 | 5.7                      | 5.5                    |
| 1999    | 470 749    | 6 032  | 3 783  | 46            | 2 499     | 1 391    | 12.8                | 8.0                 | 7.6                      | 5.3                    |

(a) Crude rate per 1,000 population.

(b) Infant mortality rate per 1,000 live births.

(c) Birth, death, marriage and divorce events of 'full-blood Aborigines', where identified in registrations, were excluded before 1966.

(d) From 1971 births, deaths and infant deaths are on a State of usual residence basis, while data for earlier years are on a State of registration basis.

(e) The *Family Law Act 1975*, repealing State legislation, came into operation throughout Australia in 1976.

(f) For 1993 and 1994 divorce data is also available on a State of usual residence basis. The ACT recorded 887 divorces in 1993 and 931 divorces in 1994 on this basis.

SUMMARY, Census of Population and Housing—1996  
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| <i>Characteristics of persons counted</i> | <i>Males</i>   | <i>Females</i> | <i>Persons</i> | <i>Proportion of total persons</i> |
|---|----------------|----------------|----------------|------------------------------------|
|   | no.            | no.            | no.            | %                                  |
| .....                                     |                |                |                |                                    |
| <b>Total persons counted(a)</b>           | <b>226 338</b> | <b>233 321</b> | <b>459 659</b> | <b>..</b>                          |
| Persons counted in private dwellings      | 219 499        | 226 813        | 446 312        | 97.1                               |
| Persons counted in non-private dwellings  | 6 398          | 6 317          | 12 715         | 2.8                                |
| Usual residence                           |                |                |                |                                    |
| Persons counted at home                   | 215 659        | 224 133        | 438 792        | 95.5                               |
| Visitors counted from                     |                |                |                |                                    |
| Elsewhere in same statistical local area  | 2 330          | 2 165          | 4 495          | 1.0                                |
| Elsewhere within Tasmania                 | 5 505          | 4 548          | 10 053         | 2.2                                |
| Interstate                                | 2 343          | 1 910          | 4 253          | 0.9                                |
| Overseas                                  | 500            | 565            | 1 065          | 0.2                                |
| <i>Total visitors</i>                     | 10 678         | 9 188          | 19 866         | 4.3                                |
| Usual residence 5 years ago(b)            |                |                |                |                                    |
| Same address                              | 109 341        | 113 621        | 222 962        | 54.3                               |
| Different address                         |                |                |                |                                    |
| Same statistical local area               | 35 315         | 37 803         | 73 118         | 17.8                               |
| Elsewhere within Tasmania                 | 33 572         | 36 068         | 69 640         | 17.0                               |
| Interstate                                | 11 638         | 11 646         | 23 284         | 5.7                                |
| Overseas                                  | 2 742          | 2 811          | 5 553          | 1.4                                |
| Not stated(c)                             | 7 798          | 7 761          | 15 559         | 3.8                                |
| Age of persons counted (years)            |                |                |                |                                    |
| 0–14                                      | 53 373         | 50 988         | 104 361        | 22.8                               |
| 15–54                                     | 128 577        | 130 185        | 258 762        | 56.4                               |
| 55–64                                     | 19 517         | 19 314         | 38 831         | 8.5                                |
| 65 or more                                | 24 371         | 32 269         | 56 640         | 12.4                               |
| Marital status of persons counted(d)      |                |                |                |                                    |
| Never married                             | 55 549         | 46 201         | 101 750        | 28.6                               |
| Married                                   | 95 908         | 95 842         | 191 750        | 54.0                               |
| Separated but not divorced                | 5 634          | 6 589          | 12 223         | 3.4                                |
| Divorced                                  | 10 914         | 13 598         | 24 512         | 6.9                                |
| Widowed                                   | 4 912          | 20 041         | 24 953         | 7.0                                |
| Birthplace of persons counted             |                |                |                |                                    |
| Australia                                 | 193 884        | 200 890        | 394 774        | 89.3                               |
| Other Oceania and Antarctica              | 2 162          | 2 131          | 4 293          | 1.0                                |
| Europe and the former USSR                | 17 778         | 16 454         | 34 232         | 7.7                                |
| Middle East and North Africa              | 255            | 202            | 457            | 0.1                                |
| South-East Asia                           | 1 019          | 1 574          | 2 593          | 0.6                                |
| North-East Asia                           | 506            | 663            | 1 169          | 0.3                                |
| Southern Asia                             | 431            | 396            | 827            | 0.2                                |
| Northern America                          | 680            | 666            | 1 346          | 0.3                                |
| Southern and Central America              | 269            | 298            | 567            | 0.1                                |
| Africa (excl. North Africa)               | 758            | 793            | 1 551          | 0.4                                |
| Other(e)                                  | 28             | 33             | 61             | 0.0                                |

SUMMARY, Census of Population and Housing—1996 *continued*

| <i>Characteristics of persons counted</i>   | <i>Males</i> | <i>Females</i> | <i>Persons</i> | <i>Proportion of<br/>total persons</i> |
|---|--------------|----------------|----------------|--|
|   | no.          | no.            | no.            | %                                      |
| Australian citizens   | 210 708      | 217 366        | 428 074        | 93.1                                   |
| Aged 18 years or more   | 150 092      | 159 343        | 309 435        | 67.3                                   |
| Persons identifying themselves as being of<br>Aboriginal or Torres Strait Islander origin | 6 912        | 6 961          | 13 873         | 3.0                                    |
| Labour force status(d)  |              |                |                |  |
| Employed persons  | 102 190      | 80 021         | 182 211        | 51.4                                   |
| Full-time(f)  | 80 534       | 37 370         | 117 904        | 33.3                                   |
| Part-time   | 19 398       | 40 821         | 60 219         | 17.0                                   |
| Hours worked not stated   | 2 258        | 1 830          | 4 088          | 1.2                                    |
| Unemployed persons  | 14 310       | 8 153          | 22 463         | 6.3                                    |
| Looking for full-time work  | 12 763       | 5 407          | 18 170         | 5.1                                    |
| Looking for part-time work  | 1 547        | 2 746          | 4 293          | 1.2                                    |
| Total in the labour force   | 116 500      | 88 174         | 204 674        | 57.8                                   |
| Total not in the labour force(g)  | 55 965       | 93 592         | 149 557        | 42.2                                   |

(a) Place of enumeration.

(b) Persons aged five years or more counted at home on census night.

(c) Comprises persons who stated they lived at a difference address five years ago but did not state the actual address.

(d) Persons aged 15 years or more.

(e) Comprises inadequately described, at sea and not elsewhere classified.

(f) Defined as having worked 35 hours or more in the main job held in the week before the Census.

(g) Includes persons who did not state their labour force status.



## GLOSSARY .....

- Age-specific death rates** Age-specific death rates are the number of deaths (occurred or registered) during the calendar year at a specified age per 1,000 of the estimated resident population of that same age at 30 June. Pro rata adjustment is made in respect of deaths for which the age of deceased is not given.
- Age-specific divorce rates** Age-specific divorce rates are the number of divorces recorded in the calendar year, by age at decree made absolute, per 1,000 of the estimated resident population of the same age at 30 June. Males under 18 and females under 16 are excluded from the population.
- Age-specific fertility rates** Age-specific fertility rates are the number of live births (occurred or registered) during the calendar year, according to the age of mother, per 1,000 of the female resident population of the same age at 30 June. For calculating these rates, births to mothers under 15 are included in the 15–19 age group, and births to mothers aged 50 and over are included in the 45–49 age group. Pro rata adjustment is made for births for which the age of mother is not given.
- Age-specific marriage rates** Age-specific marriage rates are the number of marriages of men or women registered in a calendar year, by age at marriage, per 1,000 of the estimated resident population in the same age at 30 June. Males and females aged under 15 are excluded from the population.

**Birth** The delivery of a child, irrespective of the duration of the pregnancy, who, after being born, breathes or shows any other evidence of life such as a heartbeat.

**Category jumping** Category jumping is the term used to describe changes in travel intentions from short-term to long-term/permanent or vice versa. Category jumping consists of two components—an Australian resident component and an overseas visitor component. The Australian resident component of category jumping for a reference quarter is estimated by comparing the number of residents departing short-term in that quarter with all residents who left in that quarter and return in the following 12 months, to obtain the net number of Australian residents who jump category. Similarly, the number of overseas visitors arriving short-term in a quarter is compared with all overseas visitors who arrived in that quarter and depart in the following 12 months, to obtain the net number of overseas visitors who jump category. Estimates of category jumping are derived by subtracting the Australian resident component from the overseas visitor component.

**Category of movement** Overseas arrivals and departures are classified according to length of stay (in Australia or overseas), recorded in months and days by travellers on passenger cards. There are three main categories of movement:

- permanent movements;
- long-term movements (one year or more); and
- short-term movements (less than one year).

A significant number of travellers (i.e. overseas visitors to Australia on arrival and Australian residents going abroad) state exactly 12 months or one year as their intended period of stay. Many of them stay for less than that period and on their departure from, or return to, Australia are therefore classified as short-term.

- Category of movement *continued*** Accordingly, in an attempt to maintain consistency between arrivals and departures, movements of travellers who report their actual or intended period of stay as being one year exactly are randomly allocated to long-term or short-term in proportion to the number of movements of travellers who report their actual length of stay as up to one month more, or one month less, than one year.
- Children (divorce collection)** Children in the divorce collection are unmarried children of the marriage who were aged under 18 years at the time of application for divorce. Under the *Family Law Act 1975*, these may include (in certain cases) adopted and ex-nuptial children and children from a former marriage. Children who are married or aged 18 years or more are not subject to custody and guardianship orders and are excluded.
- Children (marriage collection)** Children in the marriage collection refer to persons under 16 years of age born from previous marriages. The term children should not be confused with the term previous births used in births data (see Previous births).
- Confinement** A pregnancy which results in at least one live birth.
- Crude birth rate** The crude birth rate is the number of live births registered during the calendar year, per 1,000 estimated resident population at 30 June of that year. For years prior to 1992, the crude birth rate was based on the mean estimated resident population for the calendar year.
- Crude death rate** The crude death rate is the number of deaths registered during the calendar year, per 1,000 estimated resident population at 30 June of that year. For years prior to 1992, the crude death rate was based on the mean estimated resident population for the calendar year.
- Crude divorce rate** The crude divorce rate is the number of decrees absolute granted during the calendar year, per 1,000 estimated resident population at 30 June of that year. For years prior to 1992, the crude divorce rate was based on the mean estimated resident population for the calendar year. In the interpretation of this rate, it must be kept in mind that a large and varying proportion of the population used in the denominator is unmarried or below the minimum age of marriage.
- Crude marriage rate** The crude marriage rate is the number of marriages registered during the calendar year, per 1,000 estimated resident population at 30 June of that year. For years prior to 1992, the crude marriage rate was based on the mean estimated resident population for the calendar year. In the interpretation of this rate, it must be kept in mind that a large and varying proportion of the population used in the denominator is below the minimum age of marriage or is already married.
- Date of final separation** The date of final separation is the date, given on the application for divorce, from which the period of living apart is calculated for the purpose of establishing grounds for divorce. In determining the date of final separation, a single period of resumed cohabitation of less than three months may be ignored, provided the periods of living apart before and after resumed cohabitation amount to a total of 12 months or more.
- Divorce** Decree absolute of dissolution of marriage.
- Duration of marriage** Duration of marriage is the interval measured in completed years between the date of marriage and the date of divorce.

|  |   |
|--|---|
| <b>Duration of marriage until separation</b> | Duration of marriage until separation is the interval measured in completed years between the date of marriage and the date of separation.  |
| <b>Estimated resident population</b>         | <p>Estimated resident population are estimates of the Australian population obtained by adding to the estimated resident population at the beginning of each period the components of natural increase (on a usual residence basis) and net overseas migration. For the States and Territories, account is also taken of estimated interstate movements involving a change of usual residence. After each census, estimates for the preceding intercensal period are revised by incorporating an additional adjustment (intercensal discrepancy) to ensure that the total intercensal increase agrees with the difference between the estimated resident populations at the two respective census dates.</p> <p>Estimates of the resident population are based on adjusted (for under-enumeration) census counts by place of usual residence to which are added the number of Australian residents estimated to have been temporarily overseas at the time of the Census. Overseas visitors in Australia are excluded from this calculation.</p> <p>The concept of estimated resident population links people to a place of usual residence within Australia. Usual residence is that place where each person has lived or intends to live for six months or more from the reference date for data collection.</p> <p>A description of the conceptual basis of the estimated resident population is contained in <i>Demographic Estimates and Projections: Concepts, Sources and Methods, Statistical Concepts Library</i>, ABS website &lt;URL: <a href="http://www.abs.gov.au">http://www.abs.gov.au</a>&gt;.</p> |
| <b>Female net reproduction rate</b>          | The female net reproduction rate represents the average number of daughters that would be born to a woman if she were subject to the fertility and mortality rates of a given year during her future life. It indicates the extent to which the population would reproduce itself. The net reproduction rate is obtained by multiplying the female age-specific birth rates (for female births only) by the proportion of survivors at corresponding ages in a life table and adding the products.  |
| <b>Fetal death</b>                           | The delivery of a child weighing at least 400 grams (or of at least 20 weeks gestation, if birthweight is unavailable) who did not, at any time after delivery, breathe or show any other evidence of life such as a heartbeat plus fetal deaths.   |
| <b>Fetal death rate</b>                      | The fetal death rate is the number of fetal deaths per 1,000 live births where birthweight is at least 400 grams (or of at least 20 weeks gestation, if birthweight is unavailable).  |
| <b>First marriage rates</b>                  | First marriage rates are the number of men and women marrying for the first time during the calendar year, per 1,000 population of never married men and women aged 15 years and over at 30 June.   |
| <b>Household</b>                             | A household is a group of two or more related or unrelated people who usually reside in the same dwelling, who regard themselves as a household and who make common provision for food or other essentials for living; or a person living in a dwelling who makes provision for his or her own food and other essentials for living without combining with any other person. Households include group households of unrelated persons, same-sex couple households, single parent households as well as one-person households.   |

|                                   |   |
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| <b>Household <i>continued</i></b> | <p>A household usually resides in a private dwelling (including caravans etc. in caravan parks). Persons usually resident in non-private dwellings, such as hotels, motels, boarding houses, jails and hospitals are not included in household estimates.</p> <p>This definition of a household is consistent with the definition used in the Census. The number of households can be either based on count or estimated resident population.</p>   |
| <b>Indigenous birth</b>           | <p>The birth of a live-born child where either the mother or the father was identified as being of Aboriginal or Torres Strait Islander origin on the birth registration form. Indigenous births in Indigenous population estimates/projections are those which result by applying assumed age-specific fertility rates to Aboriginal and Torres Strait Islander mothers in reproductive ages.</p>  |
| <b>Indigenous death</b>           | <p>The death of a person who is identified as being of Aboriginal or Torres Strait Islander origin on the death registration form.</p>  |
| <b>Indigenous origin</b>          | <p>Persons who identify as being of Aboriginal or Torres Strait Islander origin.</p>  |
| <b>Infant death</b>               | <p>An infant death is the death of a live-born child who dies before completing his or her first birthday.</p>  |
| <b>Infant mortality rate</b>      | <p>The number of deaths of children under one year of age in a calendar year per 1,000 live births in the same calendar year.</p>   |
| <b>Intercensal discrepancy</b>    | <p>Intercensal discrepancy is the difference between two estimates of a census year population, the first is based on the latest census and the second arrived at by updating the previous census date estimate with intercensal components of population change which take account of information available from the latest census. It is caused by errors in the start and/or finish population estimates and/or in estimates of births, deaths or migration in the intervening period which cannot be attributed to a particular source.</p> |
| <b>Life expectancy</b>            | <p>Life expectancy refers to the average number of additional years a person of a given age and sex might expect to live if the age-specific death rates of the given period continued throughout his or her lifetime.</p>  |
| <b>Long-term arrivals</b>         | <p>Long-term arrivals comprise:</p> <ul style="list-style-type: none"> <li>▪ overseas visitors who intend to stay in Australia for 12 months or more (but not permanently); and</li> <li>▪ Australian residents returning after an absence of 12 months or more overseas.</li> </ul>  |
| <b>Long-term departures</b>       | <p>Long-term departures comprise:</p> <ul style="list-style-type: none"> <li>▪ Australian residents who intend to stay abroad for 12 months or more (but not permanently); and</li> <li>▪ overseas visitors departing who stayed 12 months or more in Australia.</li> </ul>   |
| <b>Marital status</b>             | <p>Two separate concepts are measured by the Australian Bureau of Statistics. These are registered marital status and social marital status. Social marital status identifies a person's relationship in terms of whether he or she forms a couple relationship with another person based on his/her current living arrangements. A couple relationship is based on a consensual union, and is defined as two people usually residing in the same household who share a social,</p>   |

|  |   |
|--|---|
| <b>Marital status <i>continued</i></b> | <p>economic and emotional bond usually associated with marriage, and who consider their relationship to be a marriage or a marriage-like union. Under social marital status, a person is classified as either 'married' or 'not married', with further disaggregation of 'married' to distinguish 'registered married' from 'defacto married'.</p> <p>Registered marital status refers to formally registered marriages and divorces for which the partners hold a certificate. Registered marital status is a person's relationship status in terms of whether he or she has, or has had, a registered marriage with another person whom he or she holds, or held, a valid marriage certificate. Accordingly, people are classified as either 'never married', 'married', 'widowed' or 'divorced'.</p> |
| <b>Marriage</b>                        | <p>Under the <i>Marriage Act 1961</i>, a marriage may be celebrated by a minister of religion registered as an authorised celebrant, by a district registrar or by other persons authorised by the Attorney-General. Notice of the intended marriage must be given to the celebrant at least one calendar month but within six calendar months before the marriage. A celebrant must transmit an official certificate of the marriage for registration in the State or Territory in which the marriage took place.</p>  |
| <b>Median value</b>                    | <p>For any distribution the median value (age, duration, interval) is that value which divides the relevant population into two equal parts, half falling below the value, and half exceeding it. Where the value for a particular record has not been stated, that record is excluded from the calculation.</p>  |
| <b>Multiple birth</b>                  | <p>A multiple birth is a confinement which results in two or more issue, at least one of which is live-born.</p>  |
| <b>Neonatal death</b>                  | <p>A neonatal death is the death within 28 days of birth of any child weighing at least 400 grams at delivery (or of at least 20 weeks gestation, if birthweight is unavailable) who, after delivery, breathes or shows any other evidence of life such as a heartbeat.</p>   |
| <b>Neonatal death rate</b>             | <p>The neonatal death rate is the number of neonatal deaths per 1,000 live births where birthweight is at least 400 grams (or of at least 20 weeks gestation, if birthweight is unavailable).</p>   |
| <b>Nuptial first confinement</b>       | <p>A nuptial first confinement is the first confinement in the current marriage and therefore does not necessarily represent the woman's first ever confinement resulting in a live birth.</p>  |
| <b>Nuptiality</b>                      | <p>Nuptiality relates to the marital status of persons and the events such as marriages, divorces and widowhood. Confinements and births are identified as being nuptial where the father registered was married to the mother at the time of birth, or where the husband died during the pregnancy. Confinements and children of Indigenous mothers considered to be tribally married are classified as nuptial. Other confinements, and the children resulting from them, are classified as ex-nuptial whether or not both parents were living together at the time of birth.</p>   |
| <b>Paternity-acknowledged birth</b>    | <p>A paternity-acknowledged birth refers to an ex-nuptial birth where paternity was acknowledged.</p>   |
| <b>Perinatal death</b>                 | <p>A perinatal death is either a fetal or a neonatal death, as elsewhere defined.</p>   |

|                                      |  |
|--------------------------------------|--|
| <b>Perinatal death rate</b>          | The perinatal death rate is the number of perinatal deaths per 1,000 live births where birthweight is at least 400 grams (or of at least 20 weeks gestation, if birthweight is unavailable), plus fetal deaths.  |
| <b>Permanent arrivals (settlers)</b> | <p>Permanent arrivals (settlers) comprise:</p> <ul style="list-style-type: none"> <li>▪ travellers who hold migrant visas (regardless of stated intended period of stay);</li> <li>▪ New Zealand citizens who indicate an intention to settle; and</li> <li>▪ those who are otherwise eligible to settle (e.g. overseas-born children of Australian citizens).</li> </ul> <p>This definition of settlers is used by the Department of Immigration and Multicultural Affairs (DIMA). Prior to 1985 the definition of settlers used by the Australian Bureau of Statistics (ABS) was the stated intention of the traveller only. Numerically the effect of the change in definition is insignificant. The change was made to avoid the confusion caused by minor difference between data on settlers published separately by the ABS and DIMA.</p> |
| <b>Permanent departures</b>          | Permanent departures comprise movements of persons who on departure state that they do not intend to return to Australia.  |
| <b>Previous births</b>               | <p>Previous births refer to children born alive (who may or may not be living) to a mother prior to the registration of the current birth in the processing period. In some States, legitimised and legally adopted children may also be included.</p> <p>Due to variation in data collection and processing methods across States and Territories, different definitions of the concept of previous births have been applied.</p> <p>All previous births of the mother includes all births prior to the current confinement, regardless of nuptiality and paternity.</p> <p>Previous births of the current relationship where paternity was acknowledged includes all births prior to the current confinement where the current confinement relates to a nuptial birth, or an exnuptial birth where paternity was acknowledged.</p>             |
| <b>Previous issue</b>                | See Previous births.   |
| <b>Remarriage rates</b>              | Remarriage rates are the number of remarrying men and women per 1,000 population of widowed and divorced men or women of the same age at 30 June. The rates are separately calculated for widowed or divorced men or women by appropriately adjusting the numerator and denominator of the rates.  |
| <b>Sex ratio</b>                     | The sex ratio relates to the number of males per 100 females. The sex ratio is defined for total population, at birth, at death and among age groups by appropriately selecting the numerator and denominator of the ratio.  |
| <b>Short-term arrivals</b>           | <p>Short-term arrivals comprise:</p> <ul style="list-style-type: none"> <li>▪ overseas visitors who intend to stay in Australia for less than 12 months; and</li> <li>▪ Australian residents returning after a stay of less than 12 months overseas.</li> </ul>  |
| <b>Short-term departures</b>         | <p>Short-term departures comprise:</p> <ul style="list-style-type: none"> <li>▪ Australian residents who intend to stay abroad for less than 12 months; and</li> <li>▪ overseas visitors departing after a stay of less than 12 months in Australia.</li> </ul>  |

|  |  |
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| <b>Standardised death rates</b>              | <p>Standardised death rates enable the comparison of death rates between populations with different age structures by relating them to a standard population. The Australian Bureau of Statistics standard populations relate to the years ending in 1 (e.g. 1991). The current standard population is all persons in the 1991 Australian population. They are expressed per 1,000 or 100,000 persons. There are two methods of calculating standardised death rates:</p> <ul style="list-style-type: none"> <li>▪ The <i>direct method</i>—this is used when the populations under study are large and the age-specific death rates are reliable. It is the overall death rate that would have prevailed in the standard population if it had experienced at each age the death rates of the population under study. The direct method is used for comparing States and Territory and Australia rates.</li> <li>▪ The <i>indirect method</i>—this is used when the populations under study are small and the age-specific death rates are unreliable or not known. It is an adjustment to the crude death rate of the standard population to account for the variation between the actual number of deaths in the population under study and the number of deaths which would have occurred if the population under study had experienced the age-specific death rates of the standard population. The indirect method is used for comparison of the Aboriginal and Torres Strait Islander rates and Statistical Local Area rates.</li> </ul> |
| <b>State or Territory of registration</b>    | <p>State or Territory of registration refers to the State or Territory in which the birth, death, or marriage was registered or the State or Territory in which the divorce was granted.</p>   |
| <b>State or Territory of usual residence</b> | <p>State or Territory of usual residence refers to the State or Territory of usual residence of:</p> <ul style="list-style-type: none"> <li>▪ the population (estimated resident population);</li> <li>▪ the mother (birth collection); or</li> <li>▪ the deceased (death collection).</li> </ul> <p>In the case of overseas movements, State or Territory of usual residence refers to the State or Territory regarded by the traveller as the one in which he/she lives or has lived. State or Territory of intended residence is derived from the intended address given by settlers, and by Australian residents returning after a journey abroad. Particularly in the case of the former, this information does not necessarily relate to the State or Territory in which the person will eventually establish a permanent residence.</p>   |
| <b>Statistical Local Areas</b>               | <p>Statistical Local Areas (SLAs) consist of one or more census Collection Districts at a census date. They can be based on legal Local Government areas or parts thereof, or any unincorporated area. They cover, in aggregate, the whole of Australia without gaps or overlaps. SLAs are used in defining and compiling data at the part of State level. Further details are included in <i>Australian Standard Geographical Classification (ASGC)</i> (Cat. no. 1216.0).</p>  |
| <b>Total fertility rate</b>                  | <p>The sum of age-specific fertility rates (live births at each age of mother per female population of that age). It represents the number of children a woman would bear during her lifetime if she experienced current age-specific fertility rates at each age of her reproductive life.</p>  |
| <b>Year of registration</b>                  | <p>Data presented on year of registration basis relate to the date the event was registered.</p>   |

## FOR MORE INFORMATION...

- INTERNET* **www.abs.gov.au** the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.
- LIBRARY* A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require, or visit our web site for a list of libraries.
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