

ATTENDANCE AT SELECTED CULTURAL VENUES AND EVENTS

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) TUES 28 OCT 2003

C O N T E N T S

	<i>page</i>
Notes	2
Summary of findings	3

T A B L E S

1 Persons attending cultural venues and events, by state and territory	18
2 Persons attending cultural venues and events, by region	19
3 Persons attending cultural venues and events, by age and sex ..	20
4 Persons attending cultural venues and events, by age, state and territory	22
5 Persons attending cultural venues and events, by household composition	28
6 Persons attending cultural venues and events, by country of birth	29
7 Persons attending cultural venues and events, by labour force status and sex	30
8 Persons attending cultural venues and events, by level of highest educational attainment	32
9 Persons attending cultural venues and events, by equivalised gross household income quintiles	33
10 Frequency of attendance at cultural venues and events	34
11 Persons attending cultural venues and events, by state and territory, 1991, 1995, 1999 and 2002	35
12 Persons attending cultural venues and events, by age, 1991, 1995, 1999 and 2002	38

A D D I T I O N A L I N F O R M A T I O N

Explanatory Notes	41
Technical Note: Measuring sampling variability	45
Glossary	48

I N Q U I R I E S

- For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Theo Neumann on Adelaide (08) 8237 7449.

NOTES

ABOUT THIS PUBLICATION

This publication presents results from the 2002 General Social Survey on attendance of people aged 18 years and over at selected cultural venues and events. The data provide details on the basic demographic characteristics of those who attended the surveyed venues and events and their frequency of attendance during a 12-month period. Information on this topic was previously collected in the Survey of Attendance at Selected Culture and Leisure Venues which was conducted in April 1999, March 1995 and June 1991. Data for those years are also included for comparative purposes.

Information on the concepts, methods and definitions used in the survey, and interpretation and reliability of the results are given in the Explanatory Notes (pages 41–44), Technical Note (pages 45–47) and Glossary (pages 48–51).

ROUNDING

Where figures have been rounded, discrepancies may occur between sums of the component items and totals. Published percentages are calculated prior to rounding of the figures and therefore some discrepancy may occur between these percentages and those that could be calculated from the rounded figures.

MORE INFORMATION ON ABS CULTURE AND RECREATION STATISTICS

Information about Australian Bureau of Statistics (ABS) activities in the field of culture and recreation statistics is available from the Culture and Recreation Statistics theme page on the ABS web site. To access the theme page, select Themes from the menu on the home page. Details of other ABS publications containing data on attendance at cultural venues and events in Australia can be found in paragraph 33 of the Explanatory Notes.

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ABBREVIATIONS

ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
Aust.	Australia
CAI	computer assisted interviewing
ERP	estimated resident population
GSS	General Social Survey
n.e.s.	not elsewhere specified
NSW	New South Wales
NT	Northern Territory
OECD	Organisation for Economic Co-operation and Development
Qld	Queensland
RSE	relative standard error
SA	South Australia
SE	standard error
Tas.	Tasmania
Vic.	Victoria
WA	Western Australia

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SUMMARY OF FINDINGS

SUMMARY

During the 12 months before interview in 2002, about 88% of the Australian population aged 18 years and over (12.8 million people) attended at least one of the cultural venues and events surveyed. The highest attendance rates were at cinemas (70% of people), libraries (42%), botanic gardens (42%) and zoological parks and aquariums (40%).

AGE AND SEX

People aged less than 35 years were most likely to attend at least one of the cultural venues and events surveyed, particularly those aged 18–24 years who had an attendance rate of 98%. The lowest attendance rate (63%) was recorded for the age group 75 years and over. For most age groups, attendance rates for females were significantly higher than for males.

ATTENDANCE RATES AT CULTURAL VENUES AND EVENTS(a), By age and sex

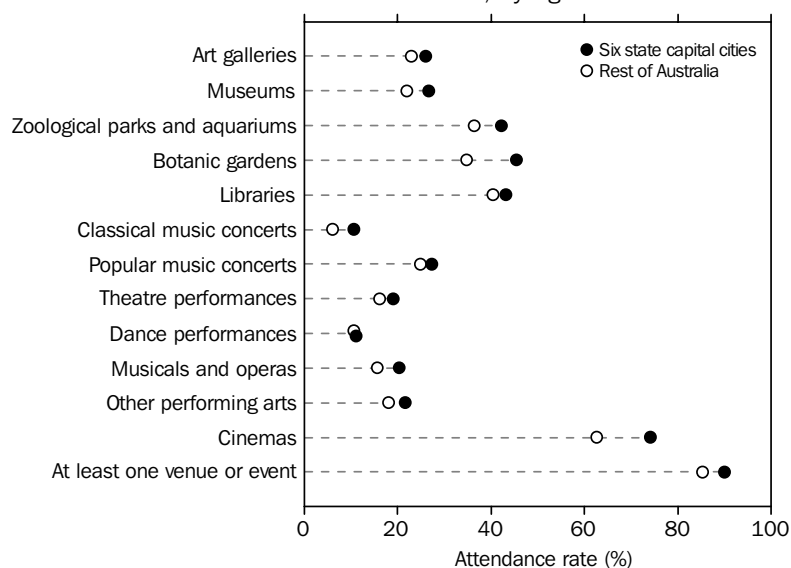
Age group (years)	Males	Females	Persons
ATTENDANCE RATE (%)			
18–24	96.1	99.3	97.7
25–34	93.1	95.7	94.4
35–44	91.5	93.6	92.5
45–54	87.3	89.8	88.6
55–64	77.6	87.6	82.5
65–74	73.1	78.9	76.1
75 and over	59.8	65.5	63.1
Total	86.5	89.9	88.2

(a) At the 12 selected venues and events included in the survey.

AREA OF RESIDENCE

Apart from dance performances, attendance rates for people living in the six state capital cities were significantly higher than those for people in the rest of Australia for all venues and events included in the survey.

ATTENDANCE AT CULTURAL VENUES AND EVENTS, By region



SUMMARY OF FINDINGS *continued*

AREA OF RESIDENCE

continued

For most venues and events, residents in the Australian Capital Territory recorded the highest attendance rates. However, Victorian residents had the highest attendance rate for musicals and operas, South Australian residents the highest rate for other performing arts, and Northern Territory residents the highest rate for botanic gardens (table 1).

HOUSEHOLD COMPOSITION

To some extent, attendance at cultural venues and events is influenced by the age and family context of the person. For example, those people in households with dependent children were more likely to visit libraries, zoological parks and aquariums, but less likely to attend classical music concerts (table 5).

COUNTRY OF BIRTH

For most venues and events surveyed, people born overseas in the main English-speaking countries had significantly higher attendance rates than those born in Australia or in other countries (table 6).

LABOUR FORCE STATUS

Employed people (and particularly those employed part-time) had significantly higher attendance rates at most venues and events than people who were unemployed or not in the labour force. However, for libraries, unemployed people had the highest attendance rate, with 60% having visited a national, state or local library in the previous 12 months (table 7).

EDUCATIONAL ATTAINMENT

People with higher qualifications were more likely to attend cultural venues and events. People with postgraduate degrees recorded the highest attendance rates at six of the 12 venues and events included in the survey, while people with graduate diplomas and certificates recorded the highest rates for five of the venues and events (table 8).

INCOME

There was a strong relationship between the level of gross household income (adjusted to allow for the number of people in the household) and attendance at cultural venues and events. For each of the 12 venues and events surveyed, residents with household income in the highest quintile reported the highest attendance rates. Generally, as gross household income decreased, so too did attendance rates.

FREQUENCY OF ATTENDANCE

About two-fifths (40%) of those who visited libraries in the previous 12 months went there over 10 times during the year. Cinemas also had a relatively large number of regular attendees, with almost one-quarter (23%) going there over 10 times during the year. However, the majority of people who visited museums, or attended musicals and operas, or other performing arts went only once during the 12-month period (table 10).

COMPARISONS OVER TIME

The table below shows attendance rates recorded in 2002, compared with attendance rates from previous ABS surveys conducted in 1991, 1995 and 1999. Generally, attendance rates in 2002 were slightly higher than in the earlier years, although this observation must be treated with caution due to changes in the survey methodology between the years (see paragraphs 26–30 of the Explanatory Notes for more information).

SUMMARY OF FINDINGS *continued*

COMPARISONS OVER TIME

continued

ATTENDANCE AT SELECTED CULTURAL VENUES AND EVENTS

	1991	1995	1999	2002
ATTENDANCE RATE (%)				
Art galleries	23.9	22.1	20.9	24.9
Museums	30.0	27.4	19.6	25.0
Zoological parks and aquariums	na	35.0	33.8	40.0
Botanic gardens	na	38.4	36.4	41.6
Libraries	na	37.4	36.8	42.1
Classical music concerts	8.2	7.8	9.0	9.0
Popular music concerts	28.6	26.4	24.7	26.4
Theatre performances	17.8	16.0	16.0	18.0
Dance performances	11.2	9.9	8.8	10.9
Musicals and operas	20.1	19.3	16.3	18.7
Other performing arts	na	18.5	17.8	20.4
Cinemas	na	60.4	65.6	69.9
At least one venue or event	na	82.2	83.9	88.2

na not available

ART GALLERIES

Attendance

Some 3,606,600 people in Australia visited art galleries in the 12 months before interview in 2002. This was 25% of the population aged 18 years and over.

About three-fifths (60%) of those people had visited an art gallery more than once in the previous 12 months.

Area of residence

The highest attendance rate for art galleries was recorded for residents in the Australian Capital Territory, with almost one-half (48%) of those aged 18 years and over attending in the 12 months before interview (this relatively high attendance rate may in part be due to some popular special exhibitions, such as *The Italians — Three Centuries of Italian Art*, which were held during the survey reference period). Northern Territory and Western Australia residents also recorded relatively high attendance rates — 31% and 29% respectively. The attendance rate of people in the six state capital cities (26%) was slightly higher than for those living elsewhere in Australia (23%).

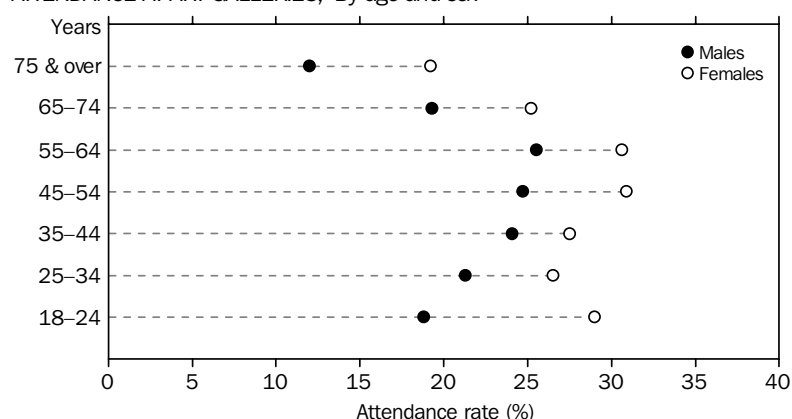
Characteristics of visitors

The higher attendance rate for females (28%) than for males (22%) at art galleries was evident across all age groups. Attendance rates generally increased with age until age 65 years. People aged 75 years and over had the lowest attendance rate of all the age groups.

SUMMARY OF FINDINGS *continued*

Characteristics of visitors *continued*

ATTENDANCE AT ART GALLERIES, By age and sex



The highest attendance rates for art galleries were recorded for people who:

- were born overseas in the main English speaking countries (29%)
- were working part-time (31%)
- had postgraduate degrees (69%), graduate diplomas and certificates (47%) or bachelor degrees (46%)
- were in the highest equivalised household income quintile (40%).

MUSEUMS

Attendance

There were 3,623,200 people in Australia or 25% of the population aged 18 years and over who visited museums in the 12 months before interview in 2002. The attendance rate was somewhat higher than that recorded in 1999 (20%), when some large museums were temporarily closed. The opening of the Melbourne Museum in 2000 and the National Museum in Canberra in 2001 would also have contributed to the higher attendance rates recorded in 2002.

About one-half (47%) of those who had visited museums during the 12-month period had gone more than once.

Area of residence

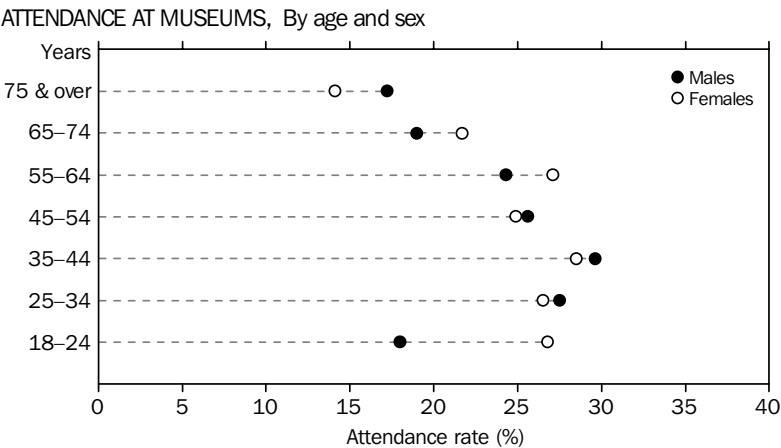
The highest attendance rates for museums were recorded by people living in the Australian Capital Territory (57%) and the Northern Territory (43%). People living in Tasmania also had a relatively high attendance rate (32%).

Characteristics of visitors

Overall, males and females had similar attendance rates (approximately 25%). However, for those aged 18–24 years, the attendance rate for females (27%) was significantly more than the rate for males (18%).

SUMMARY OF FINDINGS *continued*

Characteristics of visitors
continued



The highest attendance rates for museums were recorded for people who:

- were in couple families with dependent children (27%)
- were born overseas in the main English speaking countries (30%)
- were employed (28%)
- had postgraduate degrees (56%), graduate diplomas and certificates (46%) or bachelor degrees (41%)
- were in the highest equivalised household income quintile (38%).

ZOOLOGICAL PARKS AND
AQUARIUMS
Attendance

Two-fifths (40%) of people aged 18 years and over visited zoological parks and aquariums in the 12 months before interview in 2002. Some 3,272,100 people visited zoological gardens, 2,475,700 visited other wildlife parks and 2,838,000 visited aquariums and marine parks. The attendance rate increased six percentage points between 1999 and 2002 (from 34% to 40%). Part of the increase in attendance over this period can be attributed to the opening of new venues. For example, following the opening of the Melbourne Aquarium in 2000, attendance rates by Victorians at aquariums and marine parks increased by 15 percentage points (from 8% in 1999 to 23% in 2002).

Area of residence

Attendance rates varied considerably by area of residence. The highest attendance rates at zoological gardens were recorded by people in the Australian Capital Territory (32%) and Western Australia (31%). Attendance at other wildlife parks was highest for those living in the Northern Territory (37%), while for aquariums and marine parks, the highest attendance rate was recorded for residents in the Australian Capital Territory (29%).

SUMMARY OF FINDINGS *continued*

Area of residence *continued*

ATTENDANCE AT ZOOLOGICAL PARKS AND AQUARIUMS, By type

	Zoological gardens	Other wildlife parks	Aquariums and marine parks	Total(a)
NUMBER ('000)				
New South Wales	1 077.1	782.0	898.5	1 862.4
Victoria	886.5	625.1	860.0	1 593.9
Queensland	475.7	416.1	547.5	982.9
South Australia	255.1	239.1	129.0	441.0
Western Australia	447.4	273.4	269.2	661.6
Tasmania	35.9	56.1	53.9	102.2
Northern Territory(b)	19.4	39.3	13.3	49.3
Australian Capital Territory	74.9	44.7	66.6	115.0
<i>Australia</i>	<i>3 272.1</i>	<i>2 475.7</i>	<i>2 838.0</i>	<i>5 808.3</i>
ATTENDANCE RATE (%)				
New South Wales	22.0	16.0	18.3	38.0
Victoria	24.2	17.1	23.5	43.5
Queensland	17.6	15.4	20.3	36.4
South Australia	22.5	21.1	11.4	38.9
Western Australia	31.4	19.2	18.9	46.4
Tasmania	10.4	16.3	15.6	29.6
Northern Territory(b)	18.4	37.2	12.6	46.7
Australian Capital Territory	32.4	19.4	28.8	49.8
<i>Australia</i>	<i>22.6</i>	<i>17.1</i>	<i>19.6</i>	<i>40.0</i>

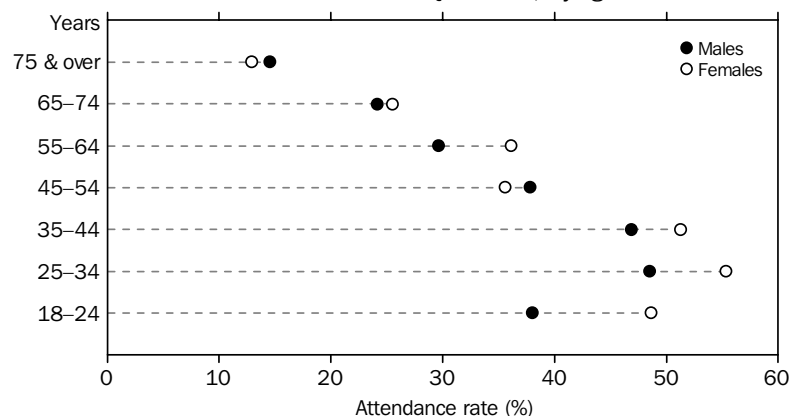
(a) The total is less than the sum of the components because some people attended more than one type of zoological park or aquarium.

(b) Includes predominantly urban areas only.

Characteristics of visitors

Females had slightly higher attendance rates than males at zoological parks and aquariums (42% and 38% respectively). The highest attendance rates were recorded for the age groups 25–34 years (52%) and 35–44 years (49%), over three times the attendance rate of the 75 years and over age group (14%).

ATTENDANCE AT ZOOLOGICAL PARKS AND AQUARIUMS, By age and sex



The highest attendance rates for zoological parks and aquariums were recorded for people who:

- were in couple families with dependent children (50%) or in one-parent families with dependent children (43%)

SUMMARY OF FINDINGS *continued*

Characteristics of visitors *continued*

- were born overseas in the main English speaking countries (46%)
- were employed (46%)
- had postgraduate degrees (57%), graduate diplomas and certificates (55%) or bachelor degrees (53%)
- were in the highest (50%) or second highest (48%) equivalised household income quintile.

BOTANIC GARDENS

Attendance

Almost 42% of the population aged 18 years and over (6,034,200 people) in Australia visited botanic gardens in the 12 months before interview in 2002. This represents an increase of over five percentage points in the attendance rate when compared with survey results from 1999 (from 36% to 42%).

Nearly two-thirds (63%) of those who had visited botanic gardens during the 12-month period had gone more than once.

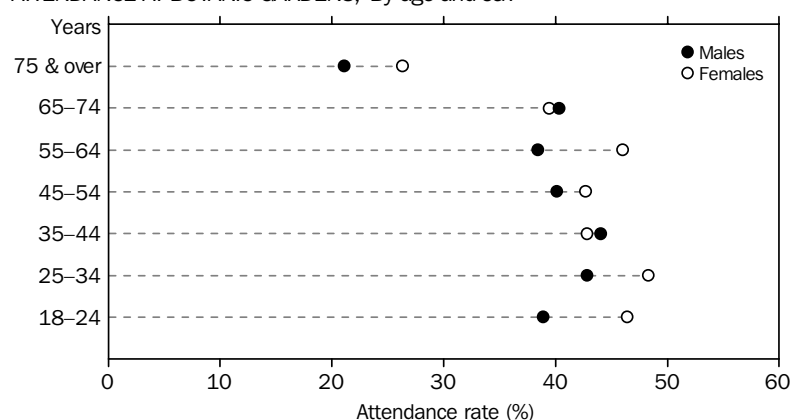
Area of residence

The highest attendance rate was recorded by people living in the Northern Territory (49%) — botanic gardens was the second most attended cultural venue or event by people in the Northern Territory in the 12 months before interview in 2002. People living in the six state capital cities had an attendance rate of 46%, compared with 35% for people living elsewhere in Australia.

Characteristics of visitors

The attendance rate for females (43%) was only slightly higher than the rate for males (40%). The age group 75 years and over recorded an attendance rate of 24%, substantially lower than all other age groups which had rates near the average of 42%.

ATTENDANCE AT BOTANIC GARDENS, By age and sex



The highest attendance rates for botanic gardens were recorded for people who:

- were born overseas in the main English speaking countries (48%)
- were employed (45%)
- had postgraduate degrees (72%), graduate diplomas and certificates (64%) or bachelor degrees (62%)
- were in the highest equivalised household income quintile (56%).

SUMMARY OF FINDINGS *continued*

LIBRARIES

Attendance

With an attendance rate of over 42% of people aged 18 years and over (6,110,200 people), national, state and local libraries were the second most attended cultural venue or event in 2002. The attendance rate increased five percentage points between 1999 and 2002 (from 37% to 42%).

About two-fifths (40%) of those who had been to libraries during the 12-month period had been there more than 10 times during that period.

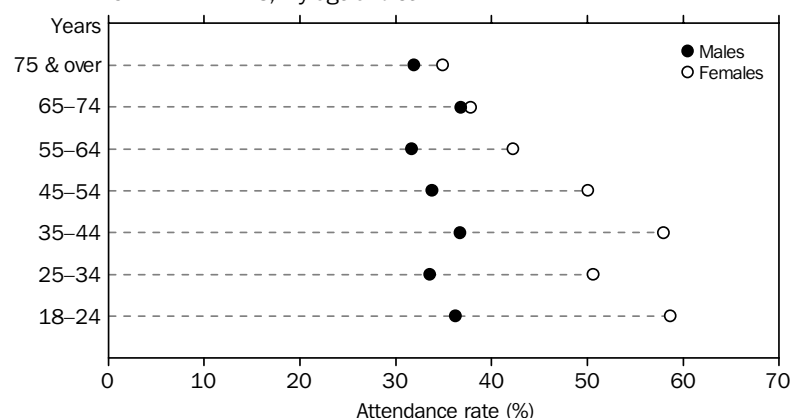
Area of residence

While people in most states and territories had attendance rates similar to the national average (42%), the rates were somewhat higher for people in the Australian Capital Territory (49%) (possibly in part due to the National Library's *Treasures of the World Exhibition* which was held during the reference period) and in Western Australia (47%). Attendance rates were slightly higher for residents in the six state capital cities (43%) than in the rest of Australia (40%).

Characteristics of visitors

Females were much more likely than males to visit a library — their attendance rate was 50%, compared with 35% for males. Large differences between females and males were evident for all age groups except 65–74 years and 75 years and over.

ATTENDANCE AT LIBRARIES, By age and sex



The highest attendance rates for libraries were recorded for people who:

- were born overseas in the main English speaking countries (49%)
- were unemployed (60%) or working part-time (54%)
- had graduate diplomas and certificates (64%), bachelor degrees (60%) or postgraduate degrees (59%).

CLASSICAL MUSIC CONCERTS

Attendance

There were 1,298,900 people in Australia who attended classical music concerts in the 12 months before interview in 2002, making it the least attended of the 12 cultural venues and events surveyed. This was about one-tenth (9%) of the population aged 18 years and over.

Almost three-fifths (58%) of those who had attended classical music concerts during the 12-month period had attended multiple times.

SUMMARY OF FINDINGS *continued*

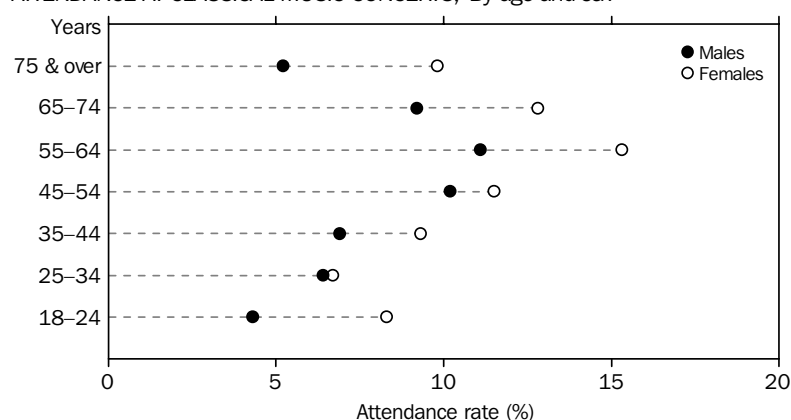
Area of residence

Residents in the Australian Capital Territory recorded the highest attendance rate (14%), while those in Queensland recorded the lowest (7%). People living in the six state capital cities had a higher attendance rate than those in the rest of Australia (11% compared with 6%).

Characteristics of attendees

Females were slightly more likely than males to attend classical music concerts (an attendance rate of 10% compared with 8%). The age group 55–64 years recorded the highest attendance rate (13%), over double the attendance rate of those aged 18–24 years (6%).

ATTENDANCE AT CLASSICAL MUSIC CONCERTS, By age and sex



The highest attendance rates for classical music concerts were recorded for people who:

- had postgraduate degrees (36%), graduate diplomas and certificates (21%) or bachelor degrees (19%)
- were in the highest equivalised household income quintile (15%).

POPULAR MUSIC CONCERTS

Attendance

Some 3,833,600 people aged 18 years and over attended popular music concerts in the 12 months before interview in 2002. This represented an attendance rate of 26%.

Almost two-thirds (64%) of those who had attended popular music concerts during the 12-month period had attended more than once.

Area of residence

Attendance rates ranged from 23% for Queensland residents to 33% for those living in the Australian Capital Territory.

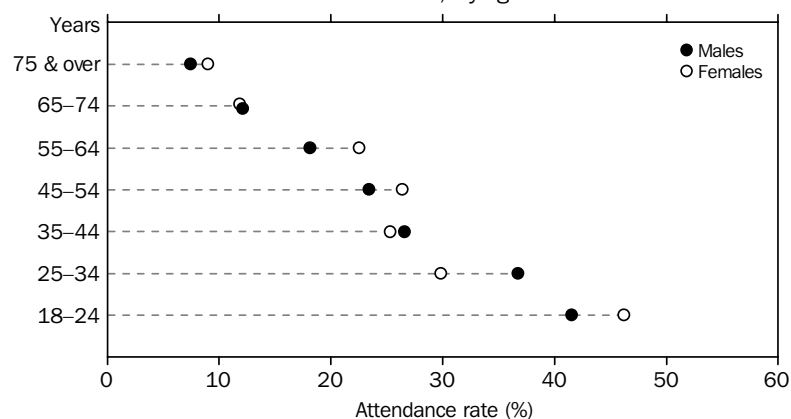
Characteristics of attendees

The attendance rates for males and females were similar (27% and 26% respectively). Attendance rates declined with increasing age — over two-fifths (44%) of people aged 18–24 years had been to popular music concerts in the previous 12 months, while about one-third (33%) of 25–34 year olds had attended. This compares with 8% of people aged 75 years and over.

SUMMARY OF FINDINGS *continued*

Characteristics of attendees *continued*

ATTENDANCE AT POPULAR MUSIC CONCERTS, By age and sex



The highest attendance rates for popular music concerts were recorded for people who:

- were in 'Other households', such as unrelated adults who are sharing accommodation (30%)
- had bachelor degrees (39%), postgraduate degrees (36%), or Year 12 as their highest educational attainment (35%)
- were in the highest (39%) or second highest (30%) equivalised household income quintile.

THEATRE PERFORMANCES

Attendance

There were 2,607,100 people (18% of the population aged 18 years and over) who attended theatre performances in the 12 months before interview in 2002.

About one-half (52%) of those who had attended theatre performances during the 12-month period had attended more than once.

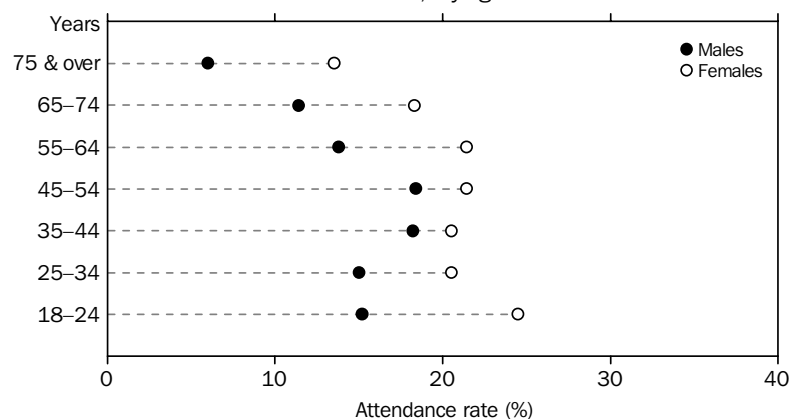
Area of residence

The Australian Capital Territory (25%), Western Australia (21%) and Victoria (19%) were the only states and territory where residents had attendance rates above the national average of 18%. The attendance rate for people living in the six state capital cities was 19%, compared with 16% for people living in the rest of Australia.

Characteristics of attendees

Females recorded higher attendance rates than males across all age groups — overall, 21% compared with 15%.

ATTENDANCE AT THEATRE PERFORMANCES, By age and sex



SUMMARY OF FINDINGS *continued*

Characteristics of attendees continued

The highest attendance rates at theatre performances were recorded for people who:

- were working part-time (24%)
- had postgraduate degrees (47%) or graduate diplomas and certificates (38%)
- were in the highest equivalised household income quintile (29%).

DANCE PERFORMANCES

Attendance

There were 1,581,000 people in Australia, or over one-tenth (11%) of the population who attended dance performances in the 12 months before interview in 2002.

About half (51%) of those who had attended dance performances during the 12-month period had attended on multiple occasions.

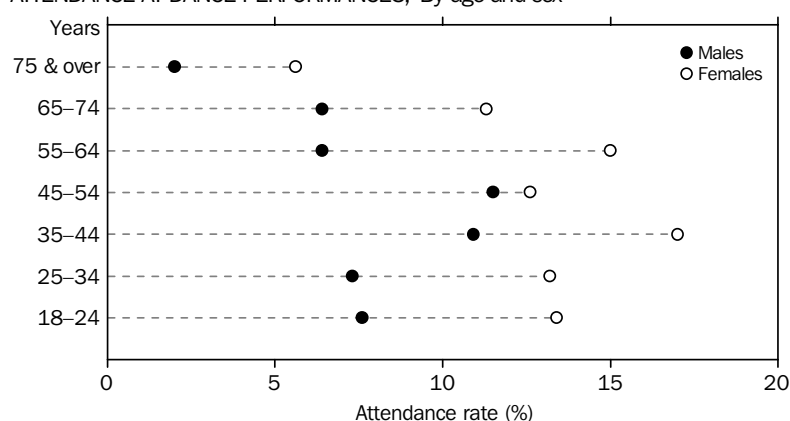
Area of residence

The highest attendance rates were recorded by residents in the Australian Capital Territory (18%) and the Northern Territory (15%). The rate of attendance of people living in the six state capital cities was similar to the rate for people living elsewhere (both 11%).

Characteristics of attendees

Females were more likely than males to attend dance performances — they had an attendance rate of 13%, compared with 8% for males. The age group 35–44 years recorded the highest attendance rate (14%).

ATTENDANCE AT DANCE PERFORMANCES, By age and sex



The highest attendance rates for dance performances were recorded for people who:

- were working part-time (15%)
- had graduate diplomas and certificates (21%), postgraduate degrees (21%) or bachelor degrees (17%)
- were in the highest equivalised household income quintile (15%).

MUSICALS AND OPERAS

Attendance

Almost one-fifth (19%) of people aged 18 years and over attended musicals and operas in the 12 months before interview in 2002. Some 2,486,400 people saw musicals and 423,400 saw operas.

Just under half (46%) of those who had attended musicals and operas during the 12-month period had been more than once. Less than 10% had attended more than three musicals and operas in that time.

SUMMARY OF FINDINGS *continued*

Area of residence

Attendance rates for musicals and operas were similar for people in most states and territories — the highest rates recorded were for people living in Victoria (21%) and the Australian Capital Territory (20%).

ATTENDANCE AT MUSICALS AND OPERAS, By type

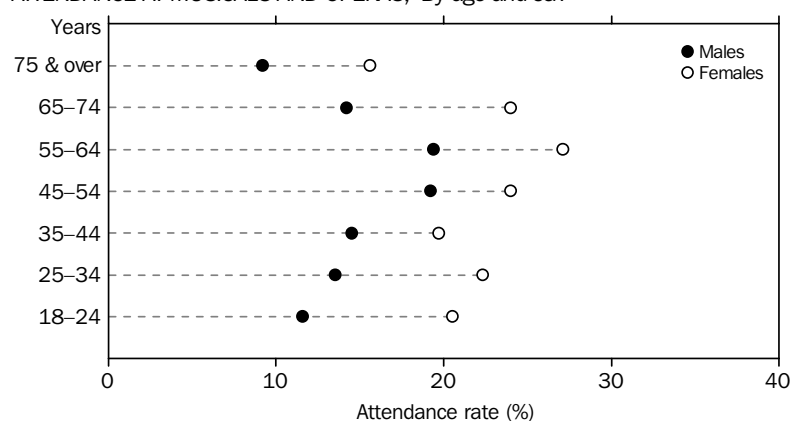
	Musicals	Operas	Total(a)
NUMBER ('000)			
New South Wales	840.7	156.3	935.3
Victoria	715.4	120.6	772.9
Queensland	449.5	47.7	466.7
South Australia	164.5	34.3	181.0
Western Australia	203.1	48.5	229.1
Tasmania	51.7	4.7	54.1
Northern Territory(b)	18.7	1.9	19.4
Australian Capital Territory	43.0	9.2	47.1
<i>Australia</i>	<i>2 486.4</i>	<i>423.4</i>	<i>2 705.8</i>
ATTENDANCE RATE (%)			
New South Wales	17.2	3.2	19.1
Victoria	19.5	3.3	21.1
Queensland	16.6	1.8	17.3
South Australia	14.5	3.0	16.0
Western Australia	14.3	3.4	16.1
Tasmania	15.0	1.4	15.7
Northern Territory(b)	17.7	1.8	18.4
Australian Capital Territory	18.6	4.0	20.4
<i>Australia</i>	<i>17.1</i>	<i>2.9</i>	<i>18.7</i>

- (a) The total is less than the sum of the components because some people attended both musicals and operas.
- (b) Includes predominantly urban areas only.

Characteristics of attendees

Females were more likely to attend musicals and operas than males — the attendance rate for females was 22%, compared with 15% for males. Over one-fifth of people in each of the age groups 45–54 years and 55–64 years had been to a musical or opera in the 12 months before interview.

ATTENDANCE AT MUSICALS AND OPERAS, By age and sex



SUMMARY OF FINDINGS *continued*

Characteristics of attendees continued

The highest attendance rates for musicals and operas were recorded for people who:

- were working part-time (24%)
- had graduate diplomas and certificates (36%), postgraduate degrees (35%), or bachelor degrees (32%)
- were in the highest equivalised household income quintile (31%).

OTHER PERFORMING ARTS *Attendance*

Some 2,955,700 people (20% of the population aged 18 years and over) attended 'Other performing arts' events, such as variety shows, revues and circuses in the 12 months before interview.

Area of residence

People living in South Australia and Western Australia had the highest attendance rates at 'Other performing arts' (25% and 23% respectively). Western Australia residents recorded the highest attendance rate at circuses (12%, compared with the national average of 9%), while Tasmania residents recorded the highest attendance rate at variety shows and revues (13%, compared with the national average of 8%).

ATTENDANCE AT OTHER PERFORMING ARTS, By type

	Circuses	Variety shows and revues	Performing arts n.e.s.	Total(a)
NUMBER ('000)				
New South Wales	432.4	435.2	240.6	955.5
Victoria	342.4	269.1	243.7	759.6
Queensland	239.2	222.4	126.7	516.2
South Australia	109.0	123.1	104.9	277.6
Western Australia	174.2	111.2	88.6	322.7
Tasmania	12.6	44.2	15.9	63.1
Northern Territory(b)	3.5	8.6	9.4	18.8
Australian Capital Territory	16.7	15.4	16.5	42.2
<i>Australia</i>	<i>1 330.0</i>	<i>1 229.2</i>	<i>846.4</i>	<i>2 955.7</i>
ATTENDANCE RATE (%)				
New South Wales	8.8	8.9	4.9	19.5
Victoria	9.3	7.3	6.7	20.7
Queensland	8.8	8.2	4.7	19.1
South Australia	9.6	10.9	9.3	24.5
Western Australia	12.2	7.8	6.2	22.6
Tasmania	3.7	12.8	4.6	18.3
Northern Territory(b)	3.4	8.1	8.9	17.8
Australian Capital Territory	7.2	6.7	7.1	18.3
<i>Australia</i>	<i>9.2</i>	<i>8.5</i>	<i>5.8</i>	<i>20.4</i>

(a) The total is less than the sum of the components because some people attended more than one type of Other performing arts event.

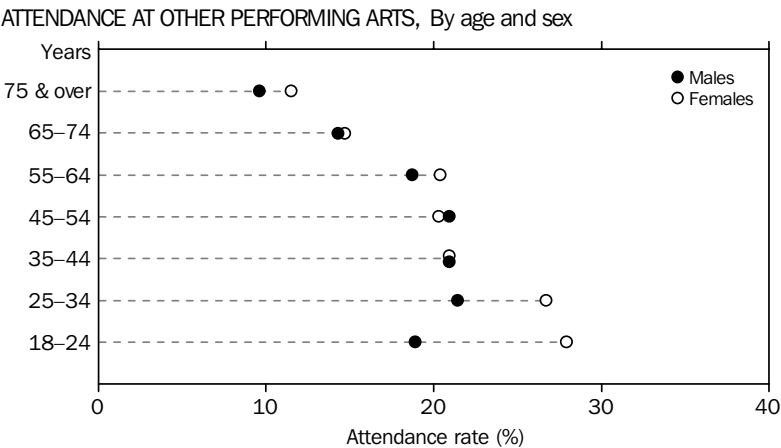
(b) Includes predominantly urban areas only.

Characteristics of attendees

Females were slightly more likely than males to attend 'Other performing arts' (an attendance rate of 21% compared with 19%). People in the younger age groups generally had higher attendance rates than people in other age groups — 23% of 18–24 year olds and 24% of 25–34 year olds attended 'Other performing arts'.

SUMMARY OF FINDINGS *continued*

Characteristics of
attendees *continued*



The highest attendance rates for 'Other performing arts' were recorded for people who:

- were in couple families with dependent children (23%)
- were born overseas in the main English speaking countries (24%)
- were working part-time (24%)
- had graduate diplomas and certificates (32%), postgraduate degrees (30%) or bachelor degrees (30%)
- were in the highest equivalised household income quintile (27%).

CINEMAS

Attendance

The cinema recorded the highest attendance rate of all the venues and events included in the survey, with 70% of people aged 18 years and over (12,789,500 people) having been to a cinema in the 12 months before interview.

Over half (56%) of those who had visited the cinema during the 12-month period had attended at least five times.

Area of residence

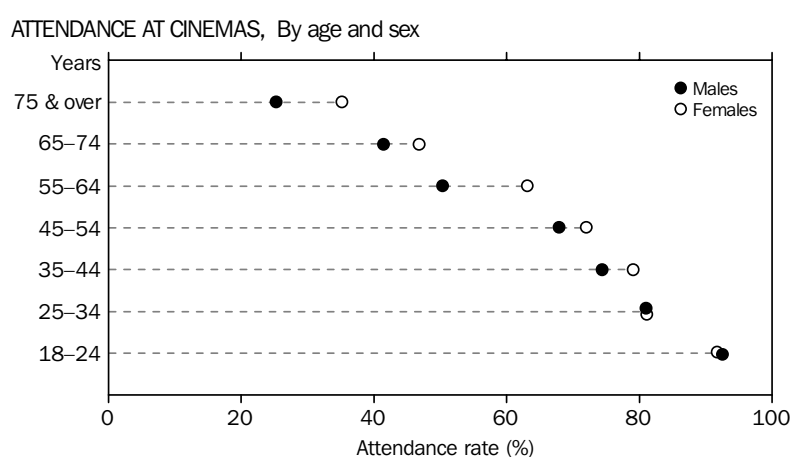
The highest attendance rates were recorded by residents in the Australian Capital Territory (81%), Western Australia (76%) and the Northern Territory (75%). People living in the six state capital cities were more likely to have visited the cinema than those in the rest of Australia (the attendance rates were 74% and 63% respectively).

Characteristics of
attendees

Cinema attendance declined with age. Of 18–24 year olds, 92% had been to the cinema in the 12 months before interview. Older age groups recorded successively lower attendance rates, with those aged 75 years and over having an attendance rate of 31%. Overall, the attendance rate for females (72%) was slightly higher than the rate for males (68%).

SUMMARY OF FINDINGS *continued*

Characteristics of attendees continued



The highest attendance rates for cinema were recorded for people who:

- were in couple families with dependent children or in one-parent families with dependent children (both 77%)
- were employed (80%)
- had graduate diplomas and certificates (90%) or postgraduate degrees (90%)
- were in the highest equivalised household income quintile (88%).

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By state and territory

	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
NUMBER ('000)									
Art galleries	1 224.5	837.8	618.0	273.4	413.8	94.1	33.1	111.8	3 606.6
Museums	1 200.5	894.7	562.0	310.4	367.2	111.0	45.4	132.0	3 623.2
Zoological parks and aquariums	1 862.4	1 593.9	982.9	441.0	661.6	102.2	49.3	115.0	5 808.3
Botanic gardens	1 832.8	1 695.0	1 195.4	413.3	619.7	120.4	51.5	106.1	6 034.2
Libraries	1 907.7	1 510.3	1 221.1	498.5	664.3	147.4	47.5	113.5	6 110.2
Classical music concerts	487.6	319.8	177.5	103.1	138.3	31.2	10.1	31.3	1 298.9
Popular music concerts	1 322.8	994.2	621.6	284.0	421.7	87.1	26.3	76.0	3 833.6
Theatre performances	858.3	705.6	433.2	181.6	293.0	60.1	16.4	58.9	2 607.1
Dance performances	539.4	364.8	294.1	114.8	177.3	33.9	15.6	40.9	1 581.0
Musicals and operas	935.3	772.9	466.7	181.0	229.1	54.1	19.4	47.1	2 705.8
Other performing arts	955.5	759.6	516.2	277.6	322.7	63.1	18.8	42.2	2 955.7
Cinemas	3 344.9	2 599.0	1 887.7	747.8	1 085.9	205.9	79.5	186.9	10 137.7
At least one venue or event	4 221.7	3 279.1	2 413.8	970.8	1 297.6	290.8	95.8	219.9	12 789.5
Total population aged 18 years and over	4 897.4	3 662.9	2 702.8	1 133.8	1 424.9	344.9	105.5	231.1	14 503.3
ATTENDANCE RATE (%)									
Art galleries	25.0	22.9	22.9	24.1	29.0	27.3	31.4	48.4	24.9
Museums	24.5	24.4	20.8	27.4	25.8	32.2	43.1	57.1	25.0
Zoological parks and aquariums	38.0	43.5	36.4	38.9	46.4	29.6	46.7	49.8	40.0
Botanic gardens	37.4	46.3	44.2	36.5	43.5	34.9	48.8	45.9	41.6
Libraries	39.0	41.2	45.2	44.0	46.6	42.7	45.0	49.1	42.1
Classical music concerts	10.0	8.7	6.6	9.1	9.7	9.0	9.5	13.5	9.0
Popular music concerts	27.0	27.1	23.0	25.0	29.6	25.2	24.9	32.9	26.4
Theatre performances	17.5	19.3	16.0	16.0	20.6	17.4	15.6	25.5	18.0
Dance performances	11.0	10.0	10.9	10.1	12.4	9.8	14.8	17.7	10.9
Musicals and operas	19.1	21.1	17.3	16.0	16.1	15.7	18.4	20.4	18.7
Other performing arts	19.5	20.7	19.1	24.5	22.6	18.3	17.8	18.3	20.4
Cinemas	68.3	71.0	69.8	66.0	76.2	59.7	75.4	80.9	69.9
At least one venue or event	86.2	89.5	89.3	85.6	91.1	84.3	90.8	95.1	88.2

(a) Includes predominantly urban areas only.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By region

	STATE CAPITAL CITIES(a)		REST OF AUSTRALIA		TOTAL	
	Number	Attendance rate	Number	Attendance rate	Number	Attendance rate
	'000	%	'000	%	'000	%
Art galleries	2 395.5	26.0	1 211.1	23.0	3 606.6	24.9
Museums	2 465.2	26.7	1 158.0	22.0	3 623.2	25.0
Zoological parks and aquariums	3 894.9	42.2	1 913.4	36.3	5 808.3	40.0
Botanic gardens	4 200.4	45.5	1 833.8	34.8	6 034.2	41.6
Libraries	3 980.6	43.1	2 129.7	40.4	6 110.2	42.1
Classical music concerts	976.9	10.6	321.9	6.1	1 298.9	9.0
Popular music concerts	2 519.4	27.3	1 314.1	24.9	3 833.6	26.4
Theatre performances	1 758.0	19.0	849.1	16.1	2 607.1	18.0
Dance performances	1 021.0	11.1	560.0	10.6	1 581.0	10.9
Musicals and operas	1 879.6	20.4	826.2	15.7	2 705.8	18.7
Other performing arts	1 998.6	21.7	957.1	18.1	2 955.7	20.4
Cinemas	6 836.1	74.1	3 301.6	62.6	10 137.7	69.9
At least one venue or event	8 294.5	89.9	4 495.1	85.2	12 789.5	88.2
Total population aged 18 years and over	9 229.7	. .	5 273.7	. .	14 503.3	. .

. . not applicable

(a) Comprises the six state capital city statistical divisions.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By age and sex

	AGE GROUP (YEARS)							
	18-24	25-34	35-44	45-54	55-64	65-74	75 and over	Total
MALES ('000)								
Art galleries	181.8	309.9	351.2	326.3	242.2	119.2	48.2	1 578.8
Museums	174.1	400.4	432.4	339.2	231.6	117.5	68.8	1 764.0
Zoological parks and aquariums	368.5	705.0	685.0	499.3	281.2	149.2	58.2	2 746.3
Botanic gardens	376.5	622.0	641.7	529.9	365.3	249.5	84.3	2 869.4
Libraries	351.2	486.9	536.4	446.8	300.9	227.3	127.9	2 477.4
Classical music concerts	41.5	92.9	100.1	134.6	105.7	56.6	*20.9	552.3
Popular music concerts	401.8	534.3	388.4	309.2	172.6	74.6	*29.8	1 910.6
Theatre performances	146.9	217.8	265.6	243.8	131.4	70.6	24.0	1 100.1
Dance performances	74.0	106.8	159.2	152.0	60.8	39.9	*8.1	600.8
Musicals and operas	112.4	196.9	212.3	253.8	184.7	87.7	36.9	1 084.7
Other performing arts	183.1	311.1	305.0	276.8	177.7	88.3	38.6	1 380.7
Cinemas	896.4	1 177.8	1 085.5	897.9	478.6	256.5	101.5	4 894.3
At least one venue or event	931.3	1 354.8	1 335.3	1 155.2	737.8	452.4	239.5	6 206.2
Total population aged 18 years and over	969.2	1 455.0	1 459.6	1 322.6	951.1	618.6	400.6	7 176.5
FEMALES ('000)								
Art galleries	271.6	384.2	405.0	408.9	285.8	167.3	105.0	2 027.8
Museums	251.2	385.4	420.1	329.0	252.9	143.7	77.0	1 859.2
Zoological parks and aquariums	454.8	803.4	756.2	470.6	336.9	169.3	70.9	3 062.0
Botanic gardens	434.0	701.8	630.9	564.4	429.0	261.0	143.7	3 164.8
Libraries	548.1	734.9	853.5	661.0	393.5	250.6	191.2	3 632.8
Classical music concerts	78.0	97.8	137.0	152.4	143.0	84.6	53.9	746.6
Popular music concerts	432.2	432.2	372.5	348.9	210.0	78.0	49.1	1 922.9
Theatre performances	229.6	297.2	302.1	283.6	199.3	121.2	74.1	1 506.9
Dance performances	125.6	191.5	250.1	167.2	140.4	74.7	30.7	980.1
Musicals and operas	192.3	323.5	290.0	317.7	252.9	159.2	85.6	1 621.1
Other performing arts	261.0	387.4	308.4	267.8	190.1	97.5	62.8	1 575.1
Cinemas	858.1	1 177.9	1 163.8	951.5	589.2	310.3	192.6	5 243.4
At least one venue or event	928.9	1 389.2	1 379.0	1 187.4	817.3	523.2	358.4	6 583.4
Total population aged 18 years and over	935.7	1 452.3	1 473.2	1 322.0	933.0	663.2	547.3	7 326.8
PERSONS ('000)								
Art galleries	453.5	694.1	756.1	735.1	528.0	286.6	153.2	3 606.6
Museums	425.3	785.8	852.5	668.1	484.4	261.2	145.8	3 623.2
Zoological parks and aquariums	823.2	1 508.4	1 441.2	970.0	618.0	318.5	129.1	5 808.3
Botanic gardens	810.6	1 323.8	1 272.6	1 094.3	794.3	510.5	228.0	6 034.2
Libraries	899.3	1 221.8	1 389.9	1 107.8	694.5	477.9	319.2	6 110.2
Classical music concerts	119.5	190.7	237.1	287.0	248.6	141.2	74.7	1 298.9
Popular music concerts	834.0	966.4	760.9	658.1	382.6	152.7	78.9	3 833.6
Theatre performances	376.5	515.0	567.7	527.4	330.7	191.8	98.0	2 607.1
Dance performances	199.6	298.2	409.3	319.2	201.2	114.6	38.8	1 581.0
Musicals and operas	304.7	520.4	502.3	571.5	437.6	246.9	122.4	2 705.8
Other performing arts	444.2	698.5	613.4	544.7	367.8	185.8	101.4	2 955.7
Cinemas	1 754.5	2 355.8	2 249.3	1 849.4	1 067.8	566.9	294.1	10 137.7
At least one venue or event	1 860.2	2 744.0	2 714.2	2 342.6	1 555.1	975.6	597.9	12 789.5
Total population aged 18 years and over	1 904.9	2 907.2	2 932.8	2 644.6	1 884.1	1 281.7	947.9	14 503.3

* estimate has a relative standard error of between 25% and 50% and should be used with caution

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By age and sex *continued*

	AGE GROUP (YEARS)							
	18-24	25-34	35-44	45-54	55-64	65-74	75 and over	Total
MALES (attendance rate %)								
Art galleries	18.8	21.3	24.1	24.7	25.5	19.3	12.0	22.0
Museums	18.0	27.5	29.6	25.6	24.3	19.0	17.2	24.6
Zoological parks and aquariums	38.0	48.5	46.9	37.8	29.6	24.1	14.5	38.3
Botanic gardens	38.9	42.8	44.0	40.1	38.4	40.3	21.1	40.0
Libraries	36.2	33.5	36.7	33.8	31.6	36.8	31.9	34.5
Classical music concerts	4.3	6.4	6.9	10.2	11.1	9.2	*5.2	7.7
Popular music concerts	41.5	36.7	26.6	23.4	18.1	12.1	*7.4	26.6
Theatre performances	15.2	15.0	18.2	18.4	13.8	11.4	6.0	15.3
Dance performances	7.6	7.3	10.9	11.5	6.4	6.4	*2.0	8.4
Musicals and operas	11.6	13.5	14.5	19.2	19.4	14.2	9.2	15.1
Other performing arts	18.9	21.4	20.9	20.9	18.7	14.3	9.6	19.2
Cinemas	92.5	81.0	74.4	67.9	50.3	41.5	25.3	68.2
At least one venue or event	96.1	93.1	91.5	87.3	77.6	73.1	59.8	86.5
FEMALES (attendance rate %)								
Art galleries	29.0	26.5	27.5	30.9	30.6	25.2	19.2	27.7
Museums	26.8	26.5	28.5	24.9	27.1	21.7	14.1	25.4
Zoological parks and aquariums	48.6	55.3	51.3	35.6	36.1	25.5	12.9	41.8
Botanic gardens	46.4	48.3	42.8	42.7	46.0	39.4	26.3	43.2
Libraries	58.6	50.6	57.9	50.0	42.2	37.8	34.9	49.6
Classical music concerts	8.3	6.7	9.3	11.5	15.3	12.8	9.8	10.2
Popular music concerts	46.2	29.8	25.3	26.4	22.5	11.8	9.0	26.2
Theatre performances	24.5	20.5	20.5	21.4	21.4	18.3	13.5	20.6
Dance performances	13.4	13.2	17.0	12.6	15.0	11.3	5.6	13.4
Musicals and operas	20.5	22.3	19.7	24.0	27.1	24.0	15.6	22.1
Other performing arts	27.9	26.7	20.9	20.3	20.4	14.7	11.5	21.5
Cinemas	91.7	81.1	79.0	72.0	63.1	46.8	35.2	71.6
At least one venue or event	99.3	95.7	93.6	89.8	87.6	78.9	65.5	89.9
PERSONS (attendance rate %)								
Art galleries	23.8	23.9	25.8	27.8	28.0	22.4	16.2	24.9
Museums	22.3	27.0	29.1	25.3	25.7	20.4	15.4	25.0
Zoological parks and aquariums	43.2	51.9	49.1	36.7	32.8	24.8	13.6	40.0
Botanic gardens	42.6	45.5	43.4	41.4	42.2	39.8	24.1	41.6
Libraries	47.2	42.0	47.4	41.9	36.9	37.3	33.7	42.1
Classical music concerts	6.3	6.6	8.1	10.9	13.2	11.0	7.9	9.0
Popular music concerts	43.8	33.2	25.9	24.9	20.3	11.9	8.3	26.4
Theatre performances	19.8	17.7	19.4	19.9	17.6	15.0	10.3	18.0
Dance performances	10.5	10.3	14.0	12.1	10.7	8.9	4.1	10.9
Musicals and operas	16.0	17.9	17.1	21.6	23.2	19.3	12.9	18.7
Other performing arts	23.3	24.0	20.9	20.6	19.5	14.5	10.7	20.4
Cinemas	92.1	81.0	76.7	69.9	56.7	44.2	31.0	69.9
At least one venue or event	97.7	94.4	92.5	88.6	82.5	76.1	63.1	88.2

* estimate has a relative standard error of between 25% and 50% and should be used with caution

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By age—State and territory

Age group (years)	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
NUMBER ('000)									
Art galleries									
18–24	135.8	118.4	80.1	30.4	58.8	11.2	4.0	14.7	453.5
25–34	242.8	167.9	110.2	45.4	82.3	14.4	8.6	22.5	694.1
35–44	255.0	169.8	135.0	62.6	81.8	21.5	8.4	22.0	756.1
45–54	241.7	159.3	145.6	49.1	86.3	21.7	7.1	24.5	735.1
55–64	197.5	122.0	72.2	43.1	59.4	15.8	3.7	14.2	528.0
65–74	92.2	55.6	56.2	32.3	33.3	6.7	*1.1	9.2	286.6
75 and over	59.4	44.7	*18.7	10.6	11.9	2.9	*0.3	4.7	153.2
Total	1 224.5	837.8	618.0	273.4	413.8	94.1	33.1	111.8	3 606.6
Museums									
18–24	126.9	127.2	69.3	27.9	41.4	10.7	5.5	16.5	425.3
25–34	261.5	205.5	105.6	67.4	82.3	22.4	12.1	29.0	785.8
35–44	278.9	201.5	142.3	72.1	91.6	25.9	11.9	28.3	852.5
45–54	221.4	139.8	110.1	54.7	81.4	23.8	9.2	27.6	668.1
55–64	171.7	120.1	67.6	49.5	37.7	16.3	4.9	16.6	484.4
65–74	87.5	58.9	46.3	27.9	21.7	8.0	1.6	9.4	261.2
75 and over	52.5	41.7	*20.7	*10.9	11.1	3.9	*0.3	4.6	145.8
Total	1 200.5	894.7	562.0	310.4	367.2	111.0	45.4	132.0	3 623.2
Zoological parks and aquariums									
18–24	233.3	228.6	161.6	65.1	98.0	14.2	5.7	16.6	823.2
25–34	512.5	398.3	246.4	111.4	171.6	21.8	14.6	31.9	1 508.4
35–44	463.8	407.8	232.1	111.4	158.5	25.3	14.1	28.2	1 441.2
45–54	302.2	257.8	186.3	58.8	119.1	17.6	8.0	20.2	970.0
55–64	216.4	171.0	84.9	55.2	61.9	14.0	4.5	10.0	618.0
65–74	97.1	89.0	51.7	30.6	36.2	6.1	2.0	5.9	318.5
75 and over	37.2	41.4	*19.9	*8.6	16.1	3.2	*0.4	2.2	129.1
Total	1 862.4	1 593.9	982.9	441.0	661.6	102.2	49.3	115.0	5 808.3
Botanic gardens									
18–24	228.3	234.6	177.7	42.7	94.7	15.8	5.8	11.1	810.6
25–34	415.7	386.0	250.9	82.3	130.0	20.2	15.0	23.8	1 323.8
35–44	379.7	358.6	242.5	99.0	131.7	26.1	12.6	22.3	1 272.6
45–54	294.5	296.4	247.2	74.3	124.8	24.4	11.0	21.6	1 094.3
55–64	275.0	210.8	137.2	56.9	75.5	19.1	5.1	14.7	794.3
65–74	170.4	133.2	101.5	40.9	44.2	9.7	1.8	8.8	510.5
75 and over	69.2	75.3	38.5	17.2	18.7	5.1	**0.2	3.8	228.0
Total	1 832.8	1 695.0	1 195.4	413.3	619.7	120.4	51.5	106.1	6 034.2
Libraries									
18–24	288.4	215.0	190.0	60.7	99.8	21.6	5.4	18.5	899.3
25–34	379.9	328.6	224.1	90.8	137.8	25.2	12.5	22.9	1 221.8
35–44	412.2	359.1	286.1	109.3	152.9	30.9	13.5	25.9	1 389.9
45–54	350.6	250.9	234.3	97.1	118.5	26.7	8.9	20.8	1 107.8
55–64	229.3	153.5	139.1	63.2	70.2	20.9	4.9	13.2	694.5
65–74	153.4	106.2	93.7	46.6	54.3	13.9	1.8	7.9	477.9
75 and over	94.0	97.0	53.6	30.9	30.8	8.3	*0.5	4.2	319.2
Total	1 907.7	1 510.3	1 221.1	498.5	664.3	147.4	47.5	113.5	6 110.2

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes predominantly urban areas only.

continued

Age group (years) NSW Vic. Qld SA WA Tas. NT(a) ACT Aust.

NUMBER ('000) *cont.*

Classical music concerts

18–24	*41.9	*26.6	*18.1	*14.8	*11.9	*2.5	*1.0	*2.9	119.5
25–34	89.4	46.7	*20.8	*7.6	16.4	*3.5	*1.7	4.7	190.7
35–44	82.3	67.1	35.0	12.4	27.4	4.9	*1.8	6.2	237.1
45–54	107.3	51.0	51.7	25.2	33.9	7.9	2.9	7.2	287.0
55–64	83.6	71.0	31.6	23.0	24.7	6.3	2.3	6.3	248.6
65–74	57.2	31.8	*12.4	14.8	*17.1	4.2	*0.5	3.2	141.2
75 and over	*26.1	25.7	*7.9	*5.3	*6.9	*2.0	**—	*0.9	74.7
<i>Total</i>	487.6	319.8	177.5	103.1	138.3	31.2	10.1	31.3	1 298.9

Popular music concerts

18–24	281.6	205.2	155.9	65.2	84.1	19.4	4.6	17.9	834.0
25–34	365.6	245.4	138.4	64.3	101.6	21.3	9.2	20.8	966.4
35–44	256.2	192.9	131.2	53.0	89.4	15.6	6.3	16.3	760.9
45–54	207.6	186.0	103.3	53.9	75.3	16.1	4.2	11.7	658.1
55–64	141.2	91.4	55.4	28.6	49.3	9.4	1.6	5.7	382.6
65–74	47.7	42.1	25.0	13.5	17.5	3.6	**0.3	3.1	152.7
75 and over	*22.9	31.3	*12.5	*5.6	*4.4	*1.6	**0.1	*0.5	78.9
<i>Total</i>	1 322.8	994.2	621.6	284.0	421.7	87.1	26.3	76.0	3 833.6

Theatre performances

18–24	123.4	94.2	63.7	31.7	42.0	9.4	2.3	9.8	376.5
25–34	178.9	135.8	85.1	32.2	56.8	9.7	4.2	12.3	515.0
35–44	181.9	153.8	101.6	39.5	62.0	12.7	3.7	12.5	567.7
45–54	161.3	148.3	90.6	33.6	64.6	12.7	3.6	12.7	527.4
55–64	111.0	90.2	42.4	25.9	43.6	9.1	*1.8	6.7	330.7
65–74	58.7	58.1	34.8	14.0	16.8	4.8	*0.7	3.8	191.8
75 and over	43.2	25.2	*15.0	*4.6	*7.3	*1.5	**0.2	*1.1	98.0
<i>Total</i>	858.3	705.6	433.2	181.6	293.0	60.1	16.4	58.9	2 607.1

Dance performances

18–24	57.0	55.4	41.2	15.8	*18.4	*3.9	*1.8	6.2	199.6
25–34	122.4	68.1	47.3	17.7	26.2	*5.0	4.1	7.5	298.2
35–44	140.3	84.1	87.4	27.0	47.7	8.4	4.1	10.5	409.3
45–54	98.6	66.4	64.7	24.2	46.7	6.3	3.6	8.7	319.2
55–64	65.2	54.9	32.3	16.6	20.5	5.6	1.5	4.4	201.2
65–74	48.0	23.8	*14.2	8.7	13.3	3.6	*0.4	2.5	114.6
75 and over	*7.9	*12.1	*7.2	*4.9	*4.5	*1.2	**0.1	*1.0	38.8
<i>Total</i>	539.4	364.8	294.1	114.8	177.3	33.9	15.6	40.9	1 581.0

Musicals and operas

18–24	97.3	86.5	58.4	25.2	22.7	6.0	1.8	6.6	304.7
25–34	207.6	156.1	75.2	19.3	40.4	7.1	4.5	10.1	520.4
35–44	166.2	154.3	82.1	35.9	39.6	9.4	5.4	9.4	502.3
45–54	179.6	160.8	106.5	37.7	59.1	12.8	4.6	10.5	571.5
55–64	149.0	105.8	85.3	35.1	42.2	11.0	2.4	6.9	437.6
65–74	94.4	66.9	38.1	19.2	19.3	6.0	*0.7	*2.4	246.9
75 and over	41.2	42.6	21.1	8.7	*5.8	*1.7	**—	*1.3	122.4
<i>Total</i>	935.3	772.9	466.7	181.0	229.1	54.1	19.4	47.1	2 705.8

* estimate has a relative standard error of between 25% and 50% and should be used with caution

— nil or rounded to zero (including null cells)

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes predominantly urban areas only.

continued

Age group (years)	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
NUMBER ('000) <i>cont.</i>									
Other performing arts									
18–24	126.7	141.9	61.1	44.4	48.2	11.8	2.6	7.4	444.2
25–34	255.1	169.1	115.3	62.7	69.5	11.9	5.5	9.5	698.5
35–44	166.1	166.4	120.9	58.4	72.8	14.3	4.5	10.0	613.4
45–54	184.9	128.0	97.1	49.1	63.5	10.6	3.9	7.7	544.7
55–64	116.1	97.1	61.0	37.3	41.5	8.8	*1.6	4.4	367.8
65–74	75.0	25.3	45.6	13.2	19.4	4.4	**0.6	2.4	185.8
75 and over	31.7	31.9	*15.4	12.5	*7.8	*1.3	**0.1	*0.8	101.4
<i>Total</i>	955.5	759.6	516.2	277.6	322.7	63.1	18.8	42.2	2 955.7
Cinemas									
18–24	571.4	454.1	331.2	126.2	190.9	36.2	13.0	31.6	1 754.5
25–34	782.4	615.7	444.4	162.2	238.6	43.4	23.4	45.7	2 355.8
35–44	764.4	558.6	410.9	168.5	240.4	45.9	20.6	40.0	2 249.3
45–54	584.2	464.9	362.0	135.3	213.9	39.4	14.1	35.6	1 849.4
55–64	362.2	270.8	189.2	82.4	110.0	26.0	6.4	20.8	1 067.8
65–74	194.4	136.9	101.1	49.6	63.4	10.7	2.0	8.9	566.9
75 and over	86.1	98.0	49.0	23.6	28.6	4.3	**0.2	4.3	294.1
<i>Total</i>	3 344.9	2 599.0	1 887.7	747.8	1 085.9	205.9	79.5	186.9	10 137.7
At least one venue or event									
18–24	608.2	481.5	357.5	132.6	194.4	39.2	13.7	33.0	1 860.2
25–34	916.0	714.7	508.1	195.7	278.8	54.2	26.3	50.2	2 744.0
35–44	908.1	689.1	504.4	204.2	276.7	60.8	24.5	46.3	2 714.2
45–54	760.3	583.0	456.5	176.1	250.0	55.7	18.2	42.7	2 342.6
55–64	522.6	377.7	296.8	127.9	153.6	41.5	8.9	26.2	1 555.1
65–74	323.5	250.9	186.3	81.1	92.1	24.9	3.2	13.6	975.6
75 and over	183.0	182.1	104.2	53.3	51.9	14.4	1.0	7.9	597.9
<i>Total</i>	4 221.7	3 279.1	2 413.8	970.8	1 297.6	290.8	95.8	219.9	12 789.5
Total population aged 18 years and over									
18–24	629.9	485.6	363.5	138.2	197.5	42.1	14.2	33.9	1 904.9
25–34	985.1	750.4	537.4	206.8	288.6	59.6	28.3	50.9	2 907.2
35–44	988.2	733.0	550.8	223.5	295.1	68.4	26.1	47.7	2 932.8
45–54	880.7	652.0	501.8	210.0	268.7	65.8	20.6	45.1	2 644.6
55–64	635.9	466.9	359.2	154.1	179.4	49.4	11.0	28.2	1 884.1
65–74	445.2	328.5	228.3	111.6	114.9	34.4	3.7	15.2	1 281.7
75 and over	332.2	246.4	161.8	89.6	80.8	25.3	1.7	10.2	947.9
<i>Total</i>	4 897.4	3 662.9	2 702.8	1 133.8	1 424.9	344.9	105.5	231.1	14 503.3

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes predominantly urban areas only.

Age group (years)	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
ATTENDANCE RATE (%)									
Art galleries									
18–24	21.6	24.4	22.0	22.0	29.8	26.5	28.5	43.3	23.8
25–34	24.6	22.4	20.5	21.9	28.5	24.2	30.3	44.2	23.9
35–44	25.8	23.2	24.5	28.0	27.7	31.4	32.0	46.3	25.8
45–54	27.4	24.4	29.0	23.4	32.1	33.0	34.3	54.2	27.8
55–64	31.0	26.1	20.1	28.0	33.1	32.0	34.1	50.5	28.0
65–74	20.7	16.9	24.6	28.9	29.0	19.4	*29.4	60.8	22.4
75 and over	17.9	18.2	*11.6	11.8	14.7	11.4	*15.2	45.8	16.2
Total	25.0	22.9	22.9	24.1	29.0	27.3	31.4	48.4	24.9
Museums									
18–24	20.1	26.2	19.1	20.2	21.0	25.5	38.5	48.7	22.3
25–34	26.5	27.4	19.6	32.6	28.5	37.7	42.8	57.1	27.0
35–44	28.2	27.5	25.8	32.3	31.0	37.8	45.6	59.4	29.1
45–54	25.1	21.5	22.0	26.1	30.3	36.2	44.9	61.1	25.3
55–64	27.0	25.7	18.8	32.1	21.0	33.0	44.5	58.8	25.7
65–74	19.7	17.9	20.3	25.0	18.9	23.2	42.4	61.7	20.4
75 and over	15.8	16.9	*12.8	*12.2	13.8	15.6	*17.4	45.2	15.4
Total	24.5	24.4	20.8	27.4	25.8	32.2	43.1	57.1	25.0
Zoological parks and aquariums									
18–24	37.0	47.1	44.4	47.1	49.6	33.8	40.5	49.1	43.2
25–34	52.0	53.1	45.8	53.8	59.4	36.6	51.6	62.7	51.9
35–44	46.9	55.6	42.1	49.8	53.7	36.9	53.8	59.2	49.1
45–54	34.3	39.5	37.1	28.0	44.3	26.7	39.0	44.8	36.7
55–64	34.0	36.6	23.6	35.9	34.5	28.4	41.1	35.6	32.8
65–74	21.8	27.1	22.6	27.4	31.6	17.8	53.1	38.6	24.8
75 and over	11.2	16.8	*12.3	*9.6	20.0	12.6	*23.9	21.3	13.6
Total	38.0	43.5	36.4	38.9	46.4	29.6	46.7	49.8	40.0
Botanic gardens									
18–24	36.2	48.3	48.9	30.9	47.9	37.4	40.9	32.7	42.6
25–34	42.2	51.4	46.7	39.8	45.0	34.0	53.0	46.7	45.5
35–44	38.4	48.9	44.0	44.3	44.6	38.1	48.4	46.7	43.4
45–54	33.4	45.5	49.3	35.4	46.4	37.1	53.3	48.0	41.4
55–64	43.2	45.2	38.2	36.9	42.1	38.7	47.0	52.2	42.2
65–74	38.3	40.5	44.5	36.6	38.5	28.2	48.0	58.3	39.8
75 and over	20.8	30.6	23.8	19.2	23.2	20.3	**10.3	37.0	24.1
Total	37.4	46.3	44.2	36.5	43.5	34.9	48.8	45.9	41.6
Libraries									
18–24	45.8	44.3	52.3	43.9	50.5	51.2	38.2	54.6	47.2
25–34	38.6	43.8	41.7	43.9	47.7	42.3	44.1	45.1	42.0
35–44	41.7	49.0	52.0	48.9	51.8	45.1	51.8	54.3	47.4
45–54	39.8	38.5	46.7	46.2	44.1	40.6	43.1	46.2	41.9
55–64	36.1	32.9	38.7	41.0	39.1	42.3	44.7	46.8	36.9
65–74	34.5	32.3	41.1	41.7	47.3	40.3	49.7	52.2	37.3
75 and over	28.3	39.4	33.1	34.5	38.1	32.7	*28.8	40.9	33.7
Total	39.0	41.2	45.2	44.0	46.6	42.7	45.0	49.1	42.1

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes predominantly urban areas only.

continued

Age group (years)	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
ATTENDANCE RATE (%) <i>cont.</i>									
Classical music concerts									
18–24	*6.6	*5.5	*5.0	*10.7	*6.0	*5.9	*6.8	*8.5	6.3
25–34	9.1	6.2	*3.9	*3.7	5.7	*5.8	*5.9	9.2	6.6
35–44	8.3	9.1	6.3	5.5	9.3	7.2	*7.0	13.0	8.1
45–54	12.2	7.8	10.3	12.0	12.6	12.0	13.9	15.9	10.9
55–64	13.1	15.2	8.8	14.9	13.8	12.7	20.6	22.2	13.2
65–74	12.8	9.7	*5.4	13.3	*14.9	12.2	*13.6	21.3	11.0
75 and over	*7.9	10.4	*4.9	*5.9	*8.6	*7.8	**—	*8.5	7.9
<i>Total</i>	10.0	8.7	6.6	9.1	9.7	9.0	9.5	13.5	9.0
Popular music concerts									
18–24	44.7	42.3	42.9	47.2	42.6	46.1	32.5	52.9	43.8
25–34	37.1	32.7	25.8	31.1	35.2	35.8	32.4	40.8	33.2
35–44	25.9	26.3	23.8	23.7	30.3	22.8	24.1	34.2	25.9
45–54	23.6	28.5	20.6	25.7	28.0	24.5	20.2	25.9	24.9
55–64	22.2	19.6	15.4	18.5	27.5	19.0	15.0	20.2	20.3
65–74	10.7	12.8	10.9	12.1	15.2	10.5	**8.0	20.6	11.9
75 and over	*6.9	12.7	*7.7	*6.2	*5.5	*6.3	**5.4	*4.9	8.3
<i>Total</i>	27.0	27.1	23.0	25.0	29.6	25.2	24.9	32.9	26.4
Theatre performances									
18–24	19.6	19.4	17.5	22.9	21.3	22.3	16.0	29.0	19.8
25–34	18.2	18.1	15.8	15.6	19.7	16.4	14.9	24.2	17.7
35–44	18.4	21.0	18.4	17.7	21.0	18.6	14.3	26.3	19.4
45–54	18.3	22.8	18.0	16.0	24.0	19.4	17.4	28.1	19.9
55–64	17.5	19.3	11.8	16.8	24.3	18.5	*16.1	23.6	17.6
65–74	13.2	17.7	15.3	12.6	14.7	14.0	*18.7	25.0	15.0
75 and over	13.0	10.2	*9.3	*5.1	*9.0	*6.0	**10.9	*10.5	10.3
<i>Total</i>	17.5	19.3	16.0	16.0	20.6	17.4	15.6	25.5	18.0
Dance performances									
18–24	9.0	11.4	11.3	11.4	*9.3	*9.2	*13.0	18.4	10.5
25–34	12.4	9.1	8.8	8.6	9.1	*8.3	14.4	14.7	10.3
35–44	14.2	11.5	15.9	12.1	16.2	12.2	15.7	22.0	14.0
45–54	11.2	10.2	12.9	11.5	17.4	9.5	17.6	19.4	12.1
55–64	10.2	11.8	9.0	10.8	11.5	11.4	13.9	15.8	10.7
65–74	10.8	7.2	*6.2	7.8	11.6	10.5	*11.9	16.7	8.9
75 and over	*2.4	*4.9	*4.5	*5.5	*5.6	*4.8	**3.3	*9.7	4.1
<i>Total</i>	11.0	10.0	10.9	10.1	12.4	9.8	14.8	17.7	10.9
Musicals and operas									
18–24	15.5	17.8	16.1	18.3	11.5	14.3	13.0	19.5	16.0
25–34	21.1	20.8	14.0	9.3	14.0	12.0	15.8	19.8	17.9
35–44	16.8	21.1	14.9	16.1	13.4	13.8	20.6	19.7	17.1
45–54	20.4	24.7	21.2	17.9	22.0	19.4	22.4	23.2	21.6
55–64	23.4	22.7	23.7	22.8	23.5	22.3	21.8	24.3	23.2
65–74	21.2	20.4	16.7	17.2	16.8	17.6	*18.7	*15.7	19.3
75 and over	12.4	17.3	13.1	9.7	*7.2	*6.7	**—	*13.0	12.9
<i>Total</i>	19.1	21.1	17.3	16.0	16.1	15.7	18.4	20.4	18.7

* estimate has a relative standard error of between 25% and 50% and should be used with caution

— nil or rounded to zero (including null cells)

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes predominantly urban areas only.

Age group (years)	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
ATTENDANCE RATE (%) <i>cont.</i>									
Other performing arts									
18–24	20.1	29.2	16.8	32.1	24.4	28.1	18.4	21.8	23.3
25–34	25.9	22.5	21.5	30.3	24.1	19.9	19.4	18.6	24.0
35–44	16.8	22.7	21.9	26.1	24.7	21.0	17.2	21.0	20.9
45–54	21.0	19.6	19.3	23.4	23.6	16.0	18.8	17.0	20.6
55–64	18.3	20.8	17.0	24.2	23.2	17.8	*14.3	15.7	19.5
65–74	16.8	7.7	20.0	11.9	16.9	12.8	**16.4	15.8	14.5
75 and over	9.5	12.9	*9.5	13.9	*9.6	*5.0	**8.7	*7.8	10.7
<i>Total</i>	19.5	20.7	19.1	24.5	22.6	18.3	17.8	18.3	20.4
Cinemas									
18–24	90.7	93.5	91.1	91.3	96.7	85.9	91.3	93.3	92.1
25–34	79.4	82.0	82.7	78.4	82.7	72.8	82.6	89.8	81.0
35–44	77.4	76.2	74.6	75.4	81.5	67.1	78.8	83.9	76.7
45–54	66.3	71.3	72.1	64.5	79.6	59.8	68.4	78.8	69.9
55–64	56.9	58.0	52.7	53.5	61.3	52.7	58.5	73.6	56.7
65–74	43.7	41.7	44.3	44.4	55.2	31.0	53.1	59.0	44.2
75 and over	25.9	39.8	30.3	26.4	35.4	17.1	**9.8	42.2	31.0
<i>Total</i>	68.3	71.0	69.8	66.0	76.2	59.7	75.4	80.9	69.9
At least one venue or event									
18–24	96.5	99.1	98.4	95.9	98.5	93.2	96.7	97.4	97.7
25–34	93.0	95.2	94.5	94.6	96.6	91.0	92.8	98.7	94.4
35–44	91.9	94.0	91.6	91.4	93.8	88.9	93.8	97.1	92.5
45–54	86.3	89.4	91.0	83.9	93.1	84.8	88.4	94.6	88.6
55–64	82.2	80.9	82.6	83.0	85.6	84.0	81.0	92.9	82.5
65–74	72.7	76.4	81.6	72.6	80.2	72.3	87.0	89.6	76.1
75 and over	55.1	73.9	64.4	59.5	64.2	57.1	62.5	77.7	63.1
<i>Total</i>	86.2	89.5	89.3	85.6	91.1	84.3	90.8	95.1	88.2

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes predominantly urban areas only.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By household composition

	ONE FAMILY HOUSEHOLDS WITH DEPENDENT CHILDREN					
	<i>Couple only, one family household</i>	<i>Couple family</i>	<i>One- parent family</i>	<i>Lone person households</i>	<i>Other households</i>	Total
.....						
	NUMBER ('000)					
Art galleries	1 074.6	1 097.7	157.7	473.8	802.9	3 606.6
Museums	1 023.5	1 257.4	157.5	398.7	786.2	3 623.2
Zoological parks and aquariums	1 424.4	2 304.6	272.6	532.9	1 273.8	5 808.3
Botanic gardens	1 680.9	2 012.9	244.8	704.2	1 391.4	6 034.2
Libraries	1 427.4	2 279.1	347.3	707.9	1 348.6	6 110.2
Classical music concerts	438.0	334.5	41.4	197.0	287.9	1 298.9
Popular music concerts	933.0	1 211.3	181.7	431.3	1 076.3	3 833.6
Theatre performances	717.2	909.6	99.9	334.0	546.4	2 607.1
Dance performances	358.0	590.6	88.8	190.1	353.4	1 581.0
Musicals and operas	813.5	894.6	85.1	334.4	578.2	2 705.8
Other performing arts	790.6	1 077.2	132.8	306.1	649.0	2 955.7
Cinemas	2 477.8	3 573.2	482.6	1 073.4	2 530.8	10 137.7
At least one venue or event	3 325.2	4 338.0	581.4	1 462.9	3 082.0	12 789.5
Total population aged 18 years and over	3 878.0	4 644.1	630.2	1 810.6	3 540.3	14 503.3
.....						
	ATTENDANCE RATE (%)					
Art galleries	27.7	23.6	25.0	26.2	22.7	24.9
Museums	26.4	27.1	25.0	22.0	22.2	25.0
Zoological parks and aquariums	36.7	49.6	43.3	29.4	36.0	40.0
Botanic gardens	43.3	43.3	38.8	38.9	39.3	41.6
Libraries	36.8	49.1	55.1	39.1	38.1	42.1
Classical music concerts	11.3	7.2	6.6	10.9	8.1	9.0
Popular music concerts	24.1	26.1	28.8	23.8	30.4	26.4
Theatre performances	18.5	19.6	15.9	18.4	15.4	18.0
Dance performances	9.2	12.7	14.1	10.5	10.0	10.9
Musicals and operas	21.0	19.3	13.5	18.5	16.3	18.7
Other performing arts	20.4	23.2	21.1	16.9	18.3	20.4
Cinemas	63.9	76.9	76.6	59.3	71.5	69.9
At least one venue or event	85.7	93.4	92.3	80.8	87.1	88.2
.....						

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By country of birth

	<i>Born in main English- speaking countries</i>	<i>Born in other countries</i>	<i>Total born outside Australia</i>	<i>Total</i>	
NUMBER ('000)					
Art galleries	2 602.0	451.4	553.2	1 004.6	3 606.6
Museums	2 610.9	460.2	552.0	1 012.3	3 623.2
Zoological parks and aquariums	4 192.2	718.4	897.8	1 616.2	5 808.3
Botanic gardens	4 238.2	747.4	1 048.6	1 796.0	6 034.2
Libraries	4 355.1	767.2	988.0	1 755.1	6 110.2
Classical music concerts	854.8	179.2	264.9	444.1	1 298.9
Popular music concerts	2 914.4	442.7	476.4	919.2	3 833.6
Theatre performances	1 979.8	331.2	296.1	627.3	2 607.1
Dance performances	1 101.1	196.4	283.5	479.9	1 581.0
Musicals and operas	2 076.3	319.0	310.6	629.5	2 705.8
Other performing arts	2 152.7	365.8	437.2	803.0	2 955.7
Cinemas	7 526.2	1 180.0	1 431.5	2 611.5	10 137.7
At least one venue or event	9 373.2	1 414.5	2 001.8	3 416.3	12 789.5
Total population aged 18 years and over	10 501.3	1 554.7	2 447.2	4 002.0	14 503.3
ATTENDANCE RATE (%)					
Art galleries	24.8	29.0	22.6	25.1	24.9
Museums	24.9	29.6	22.6	25.3	25.0
Zoological parks and aquariums	39.9	46.2	36.7	40.4	40.0
Botanic gardens	40.4	48.1	42.8	44.9	41.6
Libraries	41.5	49.3	40.4	43.9	42.1
Classical music concerts	8.1	11.5	10.8	11.1	9.0
Popular music concerts	27.8	28.5	19.5	23.0	26.4
Theatre performances	18.9	21.3	12.1	15.7	18.0
Dance performances	10.5	12.6	11.6	12.0	10.9
Musicals and operas	19.8	20.5	12.7	15.7	18.7
Other performing arts	20.5	23.5	17.9	20.1	20.4
Cinemas	71.7	75.9	58.5	65.3	69.9
At least one venue or event	89.3	91.0	81.8	85.4	88.2

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By labour force status and sex

EMPLOYED						
	Full-time	Part-time	Total	Unemployed	Not in the labour force	Total
MALES ('000)						
Art galleries	1 038.8	204.9	1 243.7	64.5	270.6	1 578.8
Museums	1 199.8	195.8	1 395.6	57.4	311.0	1 764.0
Zoological parks and aquariums	1 958.8	305.4	2 264.2	85.8	396.3	2 746.3
Botanic gardens	1 855.2	347.3	2 202.5	120.3	546.6	2 869.4
Libraries	1 344.1	318.2	1 662.3	170.1	644.9	2 477.4
Classical music concerts	363.5	61.7	425.3	*20.5	106.5	552.3
Popular music concerts	1 316.9	269.7	1 586.6	90.6	233.4	1 910.6
Theatre performances	768.4	146.4	914.8	37.1	148.2	1 100.1
Dance performances	442.1	66.7	508.8	*27.4	64.6	600.8
Musicals and operas	757.7	118.2	875.9	*36.1	172.7	1 084.7
Other performing arts	972.9	160.8	1 133.7	*44.4	202.6	1 380.7
Cinemas	3 388.2	574.6	3 962.8	207.2	724.3	4 894.3
At least one venue or event	4 038.5	682.0	4 720.5	261.5	1 224.2	6 206.2
Total population aged 18 years and over	4 415.1	752.2	5 167.3	308.6	1 700.6	7 176.5
FEMALES ('000)						
Art galleries	702.7	623.3	1 326.0	65.3	636.5	2 027.8
Museums	636.8	591.8	1 228.7	54.5	576.0	1 859.2
Zoological parks and aquariums	1 044.7	941.5	1 986.2	101.2	974.6	3 062.0
Botanic gardens	1 061.2	909.2	1 970.4	113.3	1 081.1	3 164.8
Libraries	1 007.9	1 145.6	2 153.5	171.8	1 307.5	3 632.8
Classical music concerts	258.4	225.3	483.7	*22.0	240.9	746.6
Popular music concerts	789.1	590.7	1 379.7	80.2	463.0	1 922.9
Theatre performances	543.8	503.0	1 046.8	45.0	415.2	1 506.9
Dance performances	345.4	329.3	674.7	*25.1	280.4	980.1
Musicals and operas	562.9	527.6	1 090.4	29.1	501.6	1 621.1
Other performing arts	540.9	496.6	1 037.5	79.1	458.5	1 575.1
Cinemas	1 835.2	1 633.6	3 468.9	184.9	1 589.7	5 243.4
At least one venue or event	2 071.8	1 874.2	3 945.9	246.8	2 390.6	6 583.4
Total population aged 18 years and over	2 177.6	1 944.4	4 122.0	259.5	2 945.3	7 326.8
PERSONS ('000)						
Art galleries	1 741.5	828.2	2 569.7	129.7	907.1	3 606.6
Museums	1 836.6	787.7	2 624.3	111.9	887.1	3 623.2
Zoological parks and aquariums	3 003.5	1 246.9	4 250.4	187.0	1 370.9	5 808.3
Botanic gardens	2 916.4	1 256.5	4 172.9	233.5	1 627.8	6 034.2
Libraries	2 352.1	1 463.8	3 815.8	341.9	1 952.5	6 110.2
Classical music concerts	622.0	287.0	909.0	42.5	347.4	1 298.9
Popular music concerts	2 106.0	860.4	2 966.4	170.7	696.4	3 833.6
Theatre performances	1 312.2	649.4	1 961.6	82.1	563.4	2 607.1
Dance performances	787.5	396.0	1 183.5	52.5	345.0	1 581.0
Musicals and operas	1 320.6	645.8	1 966.4	65.2	674.3	2 705.8
Other performing arts	1 513.7	657.5	2 171.2	123.5	661.1	2 955.7
Cinemas	5 223.4	2 208.2	7 431.6	392.1	2 314.0	10 137.7
At least one venue or event	6 110.3	2 556.2	8 666.4	508.3	3 614.8	12 789.5
Total population aged 18 years and over	6 592.7	2 696.6	9 289.3	568.1	4 645.9	14 503.3

* estimate has a relative standard error of between 25% and 50% and should be used with caution

continued

EMPLOYED						
	Full-time	Part-time	Total	Unemployed	Not in the labour force	Total
.....						
MALES (attendance rate %)						
Art galleries	23.5	27.2	24.1	20.9	15.9	22.0
Museums	27.2	26.0	27.0	18.6	18.3	24.6
Zoological parks and aquariums	44.4	40.6	43.8	27.8	23.3	38.3
Botanic gardens	42.0	46.2	42.6	39.0	32.1	40.0
Libraries	30.4	42.3	32.2	55.1	37.9	34.5
Classical music concerts	8.2	8.2	8.2	*6.6	6.3	7.7
Popular music concerts	29.8	35.9	30.7	29.3	13.7	26.6
Theatre performances	17.4	19.5	17.7	12.0	8.7	15.3
Dance performances	10.0	8.9	9.8	*8.9	3.8	8.4
Musicals and operas	17.2	15.7	17.0	*11.7	10.2	15.1
Other performing arts	22.0	21.4	21.9	*14.4	11.9	19.2
Cinemas	76.7	76.4	76.7	67.1	42.6	68.2
At least one venue or event	91.5	90.7	91.4	84.7	72.0	86.5
.....						
FEMALES (attendance rate %)						
Art galleries	32.3	32.1	32.2	25.1	21.6	27.7
Museums	29.2	30.4	29.8	21.0	19.6	25.4
Zoological parks and aquariums	48.0	48.4	48.2	39.0	33.1	41.8
Botanic gardens	48.7	46.8	47.8	43.7	36.7	43.2
Libraries	46.3	58.9	52.2	66.2	44.4	49.6
Classical music concerts	11.9	11.6	11.7	*8.5	8.2	10.2
Popular music concerts	36.2	30.4	33.5	30.9	15.7	26.2
Theatre performances	25.0	25.9	25.4	17.3	14.1	20.6
Dance performances	15.9	16.9	16.4	*9.7	9.5	13.4
Musicals and operas	25.8	27.1	26.5	11.2	17.0	22.1
Other performing arts	24.8	25.5	25.2	30.5	15.6	21.5
Cinemas	84.3	84.0	84.2	71.3	54.0	71.6
At least one venue or event	95.1	96.4	95.7	95.1	81.2	89.9
.....						
PERSONS (attendance rate %)						
Art galleries	26.4	30.7	27.7	22.8	19.5	24.9
Museums	27.9	29.2	28.3	19.7	19.1	25.0
Zoological parks and aquariums	45.6	46.2	45.8	32.9	29.5	40.0
Botanic gardens	44.2	46.6	44.9	41.1	35.0	41.6
Libraries	35.7	54.3	41.1	60.2	42.0	42.1
Classical music concerts	9.4	10.6	9.8	7.5	7.5	9.0
Popular music concerts	31.9	31.9	31.9	30.1	15.0	26.4
Theatre performances	19.9	24.1	21.1	14.4	12.1	18.0
Dance performances	11.9	14.7	12.7	9.2	7.4	10.9
Musicals and operas	20.0	23.9	21.2	11.5	14.5	18.7
Other performing arts	23.0	24.4	23.4	21.7	14.2	20.4
Cinemas	79.2	81.9	80.0	69.0	49.8	69.9
At least one venue or event	92.7	94.8	93.3	89.5	77.8	88.2

* estimate has a relative standard error of between 25% and 50% and should be used with caution

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By level of highest educational attainment(a)

	Post-graduate degree	Graduate diploma/graduate certificate	Bachelor degree	Advanced diploma/diploma	Certificate levels III & IV	Certificate levels I & II	Year 12	Year 11	Year 10 or below(b)	Total
NUMBER ('000)										
Art galleries	218.6	163.8	808.1	386.6	413.5	37.4	718.3	185.7	638.3	3 606.6
Museums	179.7	163.5	725.7	342.8	498.1	40.0	715.2	210.6	718.6	3 623.2
Zoological parks and aquariums	182.6	194.5	938.0	512.2	958.2	69.8	1 170.3	403.6	1 342.5	5 808.3
Botanic gardens	230.1	224.3	1 086.2	553.9	870.0	80.0	1 203.6	394.8	1 356.2	6 034.2
Libraries	188.0	225.6	1 052.9	621.1	784.7	86.8	1 288.9	409.8	1 407.6	6 110.2
Classical music concerts	115.6	73.5	333.3	161.8	118.4	*17.5	209.5	57.4	199.3	1 298.9
Popular music concerts	113.6	116.8	685.8	331.0	571.5	58.1	938.9	261.4	740.4	3 833.6
Theatre performances	148.8	132.8	587.6	295.3	277.3	28.1	544.7	145.1	439.7	2 607.1
Dance performances	65.2	74.9	305.9	153.2	209.3	*24.0	307.8	104.4	327.8	1 581.0
Musicals and operas	112.1	125.3	560.7	264.8	364.0	34.4	468.0	175.5	584.5	2 705.8
Other performing arts	96.0	111.5	519.9	282.0	453.2	38.2	572.8	201.8	662.4	2 955.7
Cinemas	286.5	317.5	1 525.1	923.3	1 565.0	135.9	2 237.0	740.4	2 345.4	10 137.7
At least one venue or event	318.7	345.7	1 714.3	1 094.0	2 024.7	200.3	2 546.5	908.6	3 546.5	12 789.5
Total population aged 18 years and over	318.8	351.8	1 760.0	1 139.4	2 278.4	224.7	2 663.6	977.3	4 687.2	14 503.3
ATTENDANCE RATE (%)										
Art galleries	68.6	46.6	45.9	33.9	18.1	16.7	27.0	19.0	13.6	24.9
Museums	56.4	46.5	41.2	30.1	21.9	17.8	26.9	21.6	15.3	25.0
Zoological parks and aquariums	57.3	55.3	53.3	45.0	42.1	31.0	43.9	41.3	28.6	40.0
Botanic gardens	72.2	63.8	61.7	48.6	38.2	35.6	45.2	40.4	28.9	41.6
Libraries	59.0	64.1	59.8	54.5	34.4	38.6	48.4	41.9	30.0	42.1
Classical music concerts	36.3	20.9	18.9	14.2	5.2	*7.8	7.9	5.9	4.3	9.0
Popular music concerts	35.6	33.2	39.0	29.1	25.1	25.8	35.3	26.7	15.8	26.4
Theatre performances	46.7	37.7	33.4	25.9	12.2	12.5	20.5	14.8	9.4	18.0
Dance performances	20.5	21.3	17.4	13.4	9.2	*10.7	11.6	10.7	7.0	10.9
Musicals and operas	35.2	35.6	31.9	23.2	16.0	15.3	17.6	18.0	12.5	18.7
Other performing arts	30.1	31.7	29.5	24.8	19.9	17.0	21.5	20.7	14.1	20.4
Cinemas	89.9	90.2	86.7	81.0	68.7	60.5	84.0	75.8	50.0	69.9
At least one venue or event	100.0	98.3	97.4	96.0	88.9	89.2	95.6	93.0	75.7	88.2

* estimate has a relative standard error of between 25% and 50% and should be used with caution

- (a) Persons for whom qualifications could not be accurately determined (Certificate was not further defined and Level not determined) are excluded from all columns in this table with the exception of the 'Total' column.
- (b) Includes Never attended school.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS, By equivalised gross household income quintiles(a)

EQUIVALISED GROSS HOUSEHOLD INCOME QUINTILES

	<i>Lowest quintile</i>	<i>Second quintile</i>	<i>Third quintile</i>	<i>Fourth quintile</i>	<i>Highest quintile</i>	Total
NUMBER ('000)						
Art galleries	408.4	431.6	532.3	653.9	1 238.2	3 606.6
Museums	421.5	469.7	567.0	688.1	1 175.5	3 623.2
Zoological parks and aquariums	642.9	878.5	1 042.6	1 275.5	1 536.7	5 808.3
Botanic gardens	755.4	887.1	1 015.2	1 194.9	1 700.2	6 034.2
Libraries	1 071.0	1 030.0	1 103.8	1 114.8	1 344.3	6 110.2
Classical music concerts	131.7	159.1	198.5	207.4	469.8	1 298.9
Popular music concerts	388.3	498.5	639.4	805.7	1 178.5	3 833.6
Theatre performances	258.2	257.4	419.0	549.0	886.6	2 607.1
Dance performances	163.4	220.9	258.5	330.9	464.2	1 581.0
Musicals and operas	266.9	338.7	397.2	525.2	932.0	2 705.8
Other performing arts	335.9	464.8	476.3	616.9	838.7	2 955.7
Cinemas	1 190.8	1 495.8	1 822.7	2 144.3	2 689.3	10 137.7
At least one venue or event	1 936.3	2 086.0	2 281.8	2 503.7	2 966.7	12 789.5
Total population aged 18 years and over	2 618.9	2 490.3	2 529.7	2 652.8	3 060.5	14 503.3

ATTENDANCE RATE (%)

Art galleries	15.6	17.3	21.0	24.7	40.5	24.9
Museums	16.1	18.9	22.4	25.9	38.4	25.0
Zoological parks and aquariums	24.5	35.3	41.2	48.1	50.2	40.0
Botanic gardens	28.8	35.6	40.1	45.0	55.6	41.6
Libraries	40.9	41.4	43.6	42.0	43.9	42.1
Classical music concerts	5.0	6.4	7.8	7.8	15.4	9.0
Popular music concerts	14.8	20.0	25.3	30.4	38.5	26.4
Theatre performances	9.9	10.3	16.6	20.7	29.0	18.0
Dance performances	6.2	8.9	10.2	12.5	15.2	10.9
Musicals and operas	10.2	13.6	15.7	19.8	30.5	18.7
Other performing arts	12.8	18.7	18.8	23.3	27.4	20.4
Cinemas	45.5	60.1	72.1	80.8	87.9	69.9
At least one venue or event	73.9	83.8	90.2	94.4	96.9	88.2

(a) Persons whose household income was not known or was not adequately reported are excluded from all columns in this table with the exception of the 'Total' column. For an explanation of equivalised gross household income and income quintiles, see the Glossary.

FREQUENCY OF ATTENDANCE AT CULTURAL VENUES AND EVENTS

	Once	Twice	3 times	4 times	5 times	6-10 times	11-20 times	21 times or more	Total
NUMBER ('000)									
Art galleries	1 435.6	885.9	424.2	259.9	169.7	260.1	107.7	63.6	3 606.6
Museums	1 907.4	850.5	323.9	173.4	108.7	161.8	56.1	*41.6	3 623.2
Zoological parks and aquariums	2 742.3	1 483.3	714.6	327.1	180.7	230.3	96.4	33.7	5 808.3
Botanic gardens	2 235.5	1 519.6	762.2	422.6	278.6	429.8	220.2	165.5	6 034.2
Libraries	394.5	622.9	574.1	469.6	503.4	1 073.2	1 083.1	1 389.4	6 110.2
Classical music concerts	543.2	276.5	165.4	99.5	69.5	92.3	41.4	*11.1	1 298.9
Popular music concerts	1 385.2	857.5	530.5	270.9	218.5	309.0	153.6	108.5	3 833.6
Theatre performances	1 246.8	692.1	247.3	131.5	94.3	131.6	53.7	*9.7	2 607.1
Dance performances	781.2	319.2	159.5	95.1	67.4	87.6	49.0	*22.1	1 581.0
Musicals and operas	1 467.3	708.7	280.9	115.1	55.0	52.4	*20.7	**5.8	2 705.8
Other performing arts	1 723.7	584.8	291.2	107.1	66.5	107.1	49.6	*25.8	2 955.7
Cinemas	1 002.2	1 267.5	1 168.5	1 033.3	964.5	2 357.1	1 493.1	851.5	10 137.7
PER CENT (%)									
Art galleries	39.8	24.6	11.8	7.2	4.7	7.2	3.0	1.8	100.0
Museums	52.6	23.5	8.9	4.8	3.0	4.5	1.5	*1.1	100.0
Zoological parks and aquariums	47.2	25.5	12.3	5.6	3.1	4.0	1.7	0.6	100.0
Botanic gardens	37.0	25.2	12.6	7.0	4.6	7.1	3.6	2.7	100.0
Libraries	6.5	10.2	9.4	7.7	8.2	17.6	17.7	22.7	100.0
Classical music concerts	41.8	21.3	12.7	7.7	5.4	7.1	3.2	*0.9	100.0
Popular music concerts	36.1	22.4	13.8	7.1	5.7	8.1	4.0	2.8	100.0
Theatre performances	47.8	26.5	9.5	5.0	3.6	5.0	2.1	*0.4	100.0
Dance performances	49.4	20.2	10.1	6.0	4.3	5.5	3.1	*1.4	100.0
Musicals and operas	54.2	26.2	10.4	4.3	2.0	1.9	*0.8	**0.2	100.0
Other performing arts	58.3	19.8	9.9	3.6	2.2	3.6	1.7	*0.9	100.0
Cinemas	9.9	12.5	11.5	10.2	9.5	23.3	14.7	8.4	100.0

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

PERSONS ATTENDING CULTURAL VENUES AND EVENTS(a), By state and territory—1991, 1995, 1999 and 2002

	NUMBER OF PERSONS				ATTENDANCE RATE			
	1991	1995	1999	2002	1991	1995	1999	2002
	'000	'000	'000	'000	%	%	%	%
Art galleries								
New South Wales	891.2	1 004.3	1 006.0	1 224.5	21.8	22.2	21.0	25.0
Victoria	756.3	708.8	725.7	837.8	24.0	21.1	20.4	22.9
Queensland	482.5	514.4	500.8	618.0	23.4	21.6	19.4	22.9
South Australia	249.0	224.3	244.8	273.4	24.2	20.3	21.6	24.1
Western Australia	304.1	298.6	279.2	413.8	26.5	23.9	20.5	29.0
Tasmania	89.1	73.6	76.4	94.1	27.9	21.4	22.1	27.3
Northern Territory(b)	31.9	25.5	31.5	33.1	37.2	22.8	30.9	31.4
Australian Capital Territory	82.7	89.8	85.5	111.8	41.9	42.0	38.1	48.4
<i>Australia</i>	<i>2 886.8</i>	<i>2 939.4</i>	<i>2 949.8</i>	<i>3 606.6</i>	<i>23.9</i>	<i>22.1</i>	<i>20.9</i>	<i>24.9</i>
Museums								
New South Wales	1 215.2	1 229.5	970.7	1 200.5	29.7	27.2	20.3	24.5
Victoria	849.1	868.4	548.0	894.7	26.9	25.8	15.4	24.4
Queensland	559.7	586.0	522.0	562.0	27.1	24.6	20.2	20.8
South Australia	374.3	337.1	250.3	310.4	36.4	30.4	22.1	27.4
Western Australia	376.9	358.4	276.6	367.2	32.8	28.6	20.3	25.8
Tasmania	117.3	122.0	98.8	111.0	36.8	35.4	28.6	32.2
Northern Territory(b)	41.6	46.6	38.7	45.4	48.5	41.6	37.9	43.1
Australian Capital Territory	98.8	98.8	57.2	132.0	50.0	46.2	25.5	57.1
<i>Australia</i>	<i>3 632.9</i>	<i>3 646.9</i>	<i>2 762.3</i>	<i>3 623.2</i>	<i>30.0</i>	<i>27.4</i>	<i>19.6</i>	<i>25.0</i>
Zoological parks and aquariums								
New South Wales	na	1 496.0	1 549.2	1 862.4	na	33.1	32.4	38.0
Victoria	na	1 270.1	1 270.3	1 593.9	na	37.8	35.8	43.5
Queensland	na	680.1	713.2	982.9	na	28.6	27.6	36.4
South Australia	na	412.7	401.6	441.0	na	37.3	35.4	38.9
Western Australia	na	555.2	613.0	661.6	na	44.4	44.9	46.4
Tasmania	na	93.4	82.1	102.2	na	27.1	23.8	29.6
Northern Territory(b)	na	57.3	46.8	49.3	na	51.1	45.9	46.7
Australian Capital Territory	na	85.9	82.9	115.0	na	40.2	36.9	49.8
<i>Australia</i>	<i>na</i>	<i>4 650.7</i>	<i>4 759.1</i>	<i>5 808.3</i>	<i>na</i>	<i>35.0</i>	<i>33.8</i>	<i>40.0</i>
Botanic gardens								
New South Wales	na	1 546.1	1 561.4	1 832.8	na	34.2	32.6	37.4
Victoria	na	1 291.2	1 460.2	1 695.0	na	38.4	41.1	46.3
Queensland	na	947.1	969.8	1 195.4	na	39.8	37.6	44.2
South Australia	na	433.3	439.0	413.3	na	39.1	38.7	36.5
Western Australia	na	599.7	441.2	619.7	na	47.9	32.3	43.5
Tasmania	na	129.6	121.9	120.4	na	37.7	35.3	34.9
Northern Territory(b)	na	50.4	37.1	51.5	na	45.0	36.4	48.8
Australian Capital Territory	na	107.3	92.6	106.1	na	50.2	41.3	45.9
<i>Australia</i>	<i>na</i>	<i>5 104.6</i>	<i>5 123.2</i>	<i>6 034.2</i>	<i>na</i>	<i>38.4</i>	<i>36.4</i>	<i>41.6</i>
Libraries								
New South Wales	na	1 662.9	1 648.2	1 907.7	na	36.8	34.4	39.0
Victoria	na	1 192.3	1 289.2	1 510.3	na	35.4	36.3	41.2
Queensland	na	884.5	977.1	1 221.1	na	37.2	37.8	45.2
South Australia	na	454.5	459.6	498.5	na	41.0	40.6	44.0
Western Australia	na	506.7	531.9	664.3	na	40.5	39.0	46.6
Tasmania	na	126.0	133.4	147.4	na	36.6	38.6	42.7
Northern Territory(b)	na	45.8	43.4	47.5	na	40.9	42.5	45.0
Australian Capital Territory	na	101.1	100.7	113.5	na	47.3	44.8	49.1
<i>Australia</i>	<i>na</i>	<i>4 973.7</i>	<i>5 183.5</i>	<i>6 110.2</i>	<i>na</i>	<i>37.4</i>	<i>36.8</i>	<i>42.1</i>

na not available

(a) Care should be taken when interpreting the data presented in this table as most of the changes between the years are not statistically significant. See paragraphs 11 and 12 of the Technical Note for more details. In addition, there have been

some changes in methodology between these surveys which may affect the validity of the comparisons (see paragraphs 26–30 of the Explanatory Notes for more information).

(b) Includes predominantly urban areas only.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS(a), By state and territory—1991, 1995, 1999 and 2002 *continued*

	NUMBER OF PERSONS				ATTENDANCE RATE			
	1991	1995	1999	2002	1991	1995	1999	2002
	'000	'000	'000	'000	%	%	%	%
Classical music concerts								
New South Wales	342.3	350.9	465.6	487.6	8.4	7.8	9.7	10.0
Victoria	243.8	255.8	293.9	319.8	7.7	7.6	8.3	8.7
Queensland	142.4	146.3	185.5	177.5	6.9	6.2	7.2	6.6
South Australia	86.2	98.4	106.6	103.1	8.4	8.9	9.4	9.1
Western Australia	97.7	108.0	148.7	138.3	8.5	8.6	10.9	9.7
Tasmania	32.2	34.6	29.2	31.2	10.1	10.1	8.4	9.0
Northern Territory(b)	7.7	12.3	7.2	10.1	9.0	11.0	7.1	9.5
Australian Capital Territory	33.6	31.1	32.5	31.3	17.0	14.5	14.5	13.5
<i>Australia</i>	<i>985.9</i>	<i>1 037.3</i>	<i>1 269.1</i>	<i>1 298.9</i>	<i>8.2</i>	<i>7.8</i>	<i>9.0</i>	<i>9.0</i>
Popular music concerts								
New South Wales	1 166.3	1 146.4	1 159.0	1 322.8	28.5	25.4	24.2	27.0
Victoria	869.7	876.9	857.9	994.2	27.5	26.1	24.2	27.1
Queensland	604.5	611.2	594.1	621.6	29.3	25.7	23.0	23.0
South Australia	279.6	308.6	312.1	284.0	27.2	27.9	27.5	25.0
Western Australia	331.9	373.6	363.8	421.7	28.9	29.9	26.7	29.6
Tasmania	99.1	75.5	92.9	87.1	31.0	22.0	26.9	25.2
Northern Territory(b)	31.6	33.0	27.5	26.3	36.9	29.5	26.9	24.9
Australian Capital Territory	73.9	82.9	66.4	76.0	37.4	38.8	29.6	32.9
<i>Australia</i>	<i>3 456.4</i>	<i>3 508.1</i>	<i>3 473.7</i>	<i>3 833.6</i>	<i>28.6</i>	<i>26.4</i>	<i>24.7</i>	<i>26.4</i>
Theatre performances								
New South Wales	710.1	756.1	816.4	858.3	17.3	16.7	17.1	17.5
Victoria	548.9	526.4	597.4	705.6	17.4	15.6	16.8	19.3
Queensland	353.0	335.4	312.5	433.2	17.1	14.1	12.1	16.0
South Australia	186.6	168.5	176.1	181.6	18.2	15.2	15.5	16.0
Western Australia	225.3	225.9	239.2	293.0	19.6	18.1	17.5	20.6
Tasmania	54.4	50.8	52.6	60.1	17.0	14.8	15.2	17.4
Northern Territory(b)	18.4	17.5	15.3	16.4	21.4	15.6	15.0	15.6
Australian Capital Territory	54.6	48.8	48.1	58.9	27.6	22.8	21.4	25.5
<i>Australia</i>	<i>2 151.3</i>	<i>2 129.4</i>	<i>2 257.6</i>	<i>2 607.1</i>	<i>17.8</i>	<i>16.0</i>	<i>16.0</i>	<i>18.0</i>
Dance performances								
New South Wales	443.7	420.3	435.9	539.4	10.8	9.3	9.1	11.0
Victoria	349.3	330.7	293.4	364.8	11.1	9.8	8.3	10.0
Queensland	227.9	223.8	191.5	294.2	11.0	9.4	7.4	10.9
South Australia	108.0	114.5	103.7	114.8	10.5	10.3	9.2	10.1
Western Australia	131.7	147.9	140.5	177.3	11.5	11.8	10.3	12.4
Tasmania	30.4	24.5	33.7	33.9	9.5	7.1	9.8	9.8
Northern Territory(b)	15.8	16.4	10.7	15.6	18.4	14.6	10.5	14.8
Australian Capital Territory	42.6	31.6	30.7	40.9	21.6	14.8	13.7	17.7
<i>Australia</i>	<i>1 349.4</i>	<i>1 309.7</i>	<i>1 240.3</i>	<i>1 581.0</i>	<i>11.2</i>	<i>9.9</i>	<i>8.8</i>	<i>10.9</i>
Musicals and operas								
New South Wales	817.4	990.7	843.4	935.3	20.0	21.9	17.6	19.1
Victoria	671.8	673.2	622.6	772.9	21.3	20.0	17.5	21.1
Queensland	417.9	436.0	334.6	466.7	20.2	18.3	13.0	17.3
South Australia	230.0	182.4	152.1	181.0	22.4	16.5	13.4	16.0
Western Australia	190.8	195.6	258.4	229.1	16.6	15.6	18.9	16.1
Tasmania	46.0	28.2	38.8	54.1	14.4	8.2	11.2	15.7
Northern Territory(b)	11.8	8.1	11.4	19.4	13.7	7.3	11.2	18.4
Australian Capital Territory	41.7	54.7	38.8	47.1	21.1	25.6	17.3	20.4
<i>Australia</i>	<i>2 427.4</i>	<i>2 568.8</i>	<i>2 300.1</i>	<i>2 705.8</i>	<i>20.1</i>	<i>19.3</i>	<i>16.3</i>	<i>18.7</i>

(a) Care should be taken when interpreting the data presented in this table as most of the changes between the years are not statistically significant. See paragraphs 11 and 12 of the Technical Note for more details. In addition, there have been some changes in methodology between these surveys

which may affect the validity of the comparisons (see paragraphs 26–30 of the Explanatory Notes for more information).

(b) Includes predominantly urban areas only.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS(a), By state and territory—1991, 1995, 1999 and 2002 *continued*

	NUMBER OF PERSONS				ATTENDANCE RATE			
	1991	1995	1999	2002	1991	1995	1999	2002
	'000	'000	'000	'000	%	%	%	%
Other performing arts								
New South Wales	na	813.7	955.9	955.5	na	18.0	20.0	19.5
Victoria	na	601.5	652.0	759.6	na	17.9	18.4	20.7
Queensland	na	460.9	386.3	516.2	na	19.4	15.0	19.1
South Australia	na	188.3	168.2	277.6	na	17.0	14.8	24.5
Western Australia	na	227.1	227.7	322.7	na	18.1	16.7	22.6
Tasmania	na	62.0	57.4	63.1	na	18.0	16.6	18.3
Northern Territory(b)	na	52.1	16.3	18.8	na	46.5	16.0	17.8
Australian Capital Territory	na	54.0	48.7	42.2	na	25.3	21.7	18.3
<i>Australia</i>	na	2 459.7	2 512.4	2 955.7	na	18.5	17.8	20.4
Cinemas								
New South Wales	na	2 604.1	3 052.7	3 345.0	na	57.7	63.8	68.3
Victoria	na	2 057.2	2 376.6	2 599.0	na	61.2	66.9	71.0
Queensland	na	1 495.5	1 684.0	1 887.7	na	62.9	65.2	69.8
South Australia	na	655.8	742.2	747.8	na	59.2	65.5	66.0
Western Australia	na	819.3	966.8	1 085.9	na	65.5	70.9	76.2
Tasmania	na	164.8	179.8	205.9	na	47.9	52.0	59.7
Northern Territory(b)	na	82.4	72.0	79.5	na	73.5	70.6	75.4
Australian Capital Territory	na	153.0	162.1	186.9	na	71.6	72.2	80.9
<i>Australia</i>	na	8 032.1	9 236.2	10 137.7	na	60.4	65.6	69.9
At least one venue or event								
New South Wales	na	3 616.9	3 953.4	4 221.7	na	80.1	82.6	86.2
Victoria	na	2 757.4	2 987.9	3 279.1	na	82.0	84.2	89.5
Queensland	na	1 961.5	2 156.2	2 413.8	na	82.5	83.5	89.3
South Australia	na	921.7	962.7	970.8	na	83.2	85.0	85.6
Western Australia	na	1 097.4	1 191.9	1 297.6	na	87.7	87.3	91.1
Tasmania	na	267.8	274.6	290.8	na	77.8	79.5	84.3
Northern Territory(b)	na	99.3	87.6	95.8	na	88.7	85.8	90.8
Australian Capital Territory	na	196.0	203.0	219.9	na	91.7	90.4	95.1
<i>Australia</i>	na	10 918.0	11 817.3	12 789.5	na	82.2	83.9	88.2
Total population aged 18 years and over								
New South Wales	4 095.3	4 516.0	4 785.1	4 897.4	..	..	..	..
Victoria	3 157.1	3 364.1	3 550.5	3 662.9	..	..	..	..
Queensland	2 065.2	2 378.8	2 581.9	2 702.8	..	..	..	..
South Australia	1 028.0	1 107.5	1 133.1	1 133.8	..	..	..	..
Western Australia	1 147.5	1 251.7	1 364.6	1 424.9	..	..	..	..
Tasmania	319.1	344.1	345.5	344.9	..	..	..	..
Northern Territory(b)	85.9	112.0	102.1	105.5	..	..	..	..
Australian Capital Territory	197.6	213.8	224.5	231.1	..	..	..	..
<i>Australia</i>	12 095.4	13 287.9	14 087.2	14 503.3	..	..	..	..

na not available

.. not applicable

(a) Care should be taken when interpreting the data presented in this table as most of the changes between the years are not statistically significant. See paragraphs 11 and 12 of the Technical Note for more details. In addition, there have been

some changes in methodology between these surveys which may affect the validity of the comparisons (see paragraphs 26–30 of the Explanatory Notes for more information).

(b) Includes predominantly urban areas only.

PERSONS ATTENDING CULTURAL VENUES AND EVENTS(a), By age—1991, 1995, 1999 and 2002

Age group (years)	NUMBER OF PERSONS				ATTENDANCE RATE			
	1991	1995	1999	2002	1991	1995	1999	2002
	'000	'000	'000	'000	%	%	%	%
Art galleries								
18–24	409.1	433.4	354.5	453.5	21.7	22.6	19.3	23.8
25–34	644.0	597.5	584.5	694.1	23.7	21.3	20.5	23.9
35–44	684.4	643.3	627.4	756.1	26.9	23.7	21.6	25.8
45–54	473.5	590.5	639.7	735.1	26.2	26.8	25.4	27.8
55–64	345.7	349.5	369.6	528.0	24.7	23.3	22.2	28.0
65–74	246.8	235.2	259.6	286.6	22.0	17.8	19.1	22.4
75 and over	83.3	89.9	114.5	153.2	13.5	11.0	12.0	16.2
Total	2 886.8	2 939.4	2 949.8	3 606.6	23.9	22.1	20.9	24.9
Museums								
18–24	517.0	508.1	328.6	425.3	27.4	26.5	17.9	22.3
25–34	921.4	828.7	588.1	785.8	33.9	29.5	20.6	27.0
35–44	960.1	938.7	719.5	852.5	37.7	34.6	24.8	29.1
45–54	547.4	645.6	529.3	668.1	30.3	29.3	21.0	25.3
55–64	364.9	383.6	309.4	484.4	26.1	25.6	18.6	25.7
65–74	251.1	263.5	204.9	261.2	22.3	19.9	15.1	20.4
75 and over	71.0	78.7	82.4	145.8	11.5	9.6	8.7	15.4
Total	3 632.9	3 646.9	2 762.3	3 623.2	30.0	27.4	19.6	25.0
Zoological parks and aquariums								
18–24	na	798.1	660.9	823.2	na	41.7	36.0	43.2
25–34	na	1 311.5	1 279.6	1 508.4	na	46.7	44.8	51.9
35–44	na	1 132.1	1 264.0	1 441.2	na	41.7	43.5	49.1
45–54	na	673.7	758.0	970.0	na	30.5	30.1	36.7
55–64	na	402.1	418.2	618.0	na	26.8	25.2	32.8
65–74	na	251.6	282.9	318.5	na	19.0	20.8	24.8
75 and over	na	81.4	95.5	129.1	na	10.0	10.0	13.6
Total	na	4 650.7	4 759.1	5 808.3	na	35.0	33.8	40.0
Botanic gardens								
18–24	na	817.1	645.8	810.6	na	42.7	35.1	42.6
25–34	na	1 166.5	1 152.5	1 323.8	na	41.5	40.4	45.5
35–44	na	1 125.0	1 146.3	1 272.6	na	41.4	39.5	43.4
45–54	na	860.8	984.7	1 094.3	na	39.0	39.1	41.4
55–64	na	539.4	561.9	794.3	na	36.0	33.8	42.2
65–74	na	426.1	418.1	510.5	na	32.2	30.8	39.8
75 and over	na	169.7	213.7	228.0	na	20.8	22.5	24.1
Total	na	5 104.6	5 123.2	6 034.2	na	38.4	36.4	41.6
Libraries								
18–24	na	789.8	700.5	899.3	na	41.2	38.1	47.2
25–34	na	1 044.9	1 044.8	1 221.8	na	37.2	36.6	42.0
35–44	na	1 216.7	1 270.0	1 389.9	na	44.8	43.7	47.4
45–54	na	806.8	884.4	1 107.8	na	36.6	35.1	41.9
55–64	na	469.5	509.4	694.5	na	31.3	30.6	36.9
65–74	na	415.9	466.0	477.9	na	31.4	34.3	37.3
75 and over	na	230.1	308.5	319.2	na	28.1	32.5	33.7
Total	na	4 973.7	5 183.5	6 110.2	na	37.4	36.8	42.1

na not available

(a) Care should be taken when interpreting the data presented in this table as most of the changes between the years are not statistically significant. See paragraphs 11 and 12 of the Technical Note for more details. In addition, there have been

some changes in methodology between these surveys which may affect the validity of the comparisons (see paragraphs 26–30 of the Explanatory Notes for more information).

PERSONS ATTENDING CULTURAL VENUES AND EVENTS(a), By age—1991, 1995, 1999
and 2002 *continued*

	NUMBER OF PERSONS				ATTENDANCE RATE			
	1991	1995	1999	2002	1991	1995	1999	2002
Age group (years)	'000	'000	'000	'000	%	%	%	%
Classical music concerts								
18–24	109.2	119.5	117.8	119.5	5.8	6.2	6.4	6.3
25–34	168.9	180.6	209.1	190.7	6.2	6.4	7.3	6.6
35–44	258.8	219.1	252.6	237.1	10.2	8.1	8.7	8.1
45–54	184.1	230.7	291.8	287.0	10.2	10.5	11.6	10.9
55–64	130.5	140.6	191.5	248.6	9.3	9.4	11.5	13.2
65–74	93.0	108.0	134.5	141.2	8.3	8.2	9.9	11.0
75 and over	41.3	38.7	71.7	74.7	6.7	4.7	7.5	7.9
Total	985.9	1 037.3	1 269.1	1 298.9	8.2	7.8	9.0	9.0
Popular music concerts								
18–24	1 012.3	933.2	778.6	834.0	53.6	48.7	42.4	43.8
25–34	949.7	969.7	936.1	966.4	35.0	34.5	32.8	33.2
35–44	703.9	731.2	751.4	760.9	27.6	26.9	25.9	25.9
45–54	401.7	496.8	571.1	658.1	22.2	22.5	22.7	24.9
55–64	219.8	216.7	269.9	382.6	15.7	14.4	16.2	20.3
65–74	127.7	124.4	120.9	152.7	11.4	9.4	8.9	11.9
75 and over	41.3	36.1	45.7	78.9	6.7	4.4	4.8	8.3
Total	3 456.4	3 508.1	3 473.7	3 833.6	28.6	26.4	24.7	26.4
Theatre performances								
18–24	336.0	340.3	269.7	376.5	17.8	17.8	14.7	19.8
25–34	545.8	506.8	500.2	515.0	20.1	18.0	17.5	17.7
35–44	540.6	479.5	486.7	567.7	21.2	17.7	16.8	19.4
45–54	325.8	400.7	492.9	527.4	18.0	18.2	19.6	19.9
55–64	202.0	216.4	269.8	330.7	14.4	14.4	16.2	17.6
65–74	145.7	134.9	162.2	191.8	13.0	10.2	11.9	15.0
75 and over	55.4	50.8	76.2	98.0	9.0	6.2	8.0	10.3
Total	2 151.3	2 129.4	2 257.6	2 607.1	17.8	16.0	16.0	18.0
Dance performances								
18–24	222.0	212.6	137.8	199.6	11.8	11.1	7.5	10.5
25–34	308.5	278.4	267.6	298.2	11.4	9.9	9.4	10.3
35–44	346.4	318.9	311.5	409.3	13.6	11.7	10.7	14.0
45–54	210.1	253.7	270.1	319.2	11.6	11.5	10.7	12.1
55–64	139.6	121.4	134.8	201.2	10.0	8.1	8.1	10.7
65–74	93.4	89.0	86.8	114.6	8.3	6.7	6.4	8.9
75 and over	29.4	35.8	31.6	38.8	4.8	4.4	3.3	4.1
Total	1 349.4	1 309.7	1 240.3	1 581.0	11.2	9.9	8.8	10.9
Musicals and operas								
18–24	359.2	378.0	263.9	304.7	19.0	19.7	14.4	16.0
25–34	475.2	501.0	486.6	520.4	17.5	17.8	17.0	17.9
35–44	560.4	530.1	449.4	502.3	22.0	19.5	15.5	17.1
45–54	463.2	544.0	505.6	571.5	25.6	24.7	20.1	21.6
55–64	294.8	302.7	297.8	437.6	21.0	20.2	17.9	23.2
65–74	196.2	222.3	197.1	246.9	17.5	16.8	14.5	19.3
75 and over	78.4	90.9	99.8	122.4	12.7	11.1	10.5	12.9
Total	2 427.4	2 568.8	2 300.1	2 705.8	20.1	19.3	16.3	18.7

(a) Care should be taken when interpreting the data presented in this table as most of the changes between the years are not statistically significant. See paragraphs 11 and 12 of the Technical Note for more details. In addition, there have been

some changes in methodology between these surveys which may affect the validity of the comparisons (see paragraphs 26–30 of the Explanatory Notes for more information).

PERSONS ATTENDING CULTURAL VENUES AND EVENTS(a), By age—1991, 1995, 1999
and 2002 *continued*

Age group (years)	NUMBER OF PERSONS				ATTENDANCE RATE			
	1991	1995	1999	2002	1991	1995	1999	2002
	'000	'000	'000	'000	%	%	%	%
Other performing arts								
18–24	na	494.3	333.0	444.2	na	25.8	18.1	23.3
25–34	na	706.5	631.0	698.5	na	25.2	22.1	24.0
35–44	na	589.6	678.3	613.4	na	21.7	23.4	20.9
45–54	na	349.0	404.2	544.7	na	15.8	16.1	20.6
55–64	na	168.5	225.1	367.8	na	11.2	13.5	19.5
65–74	na	115.5	163.2	185.8	na	8.7	12.0	14.5
75 and over	na	36.3	77.7	101.4	na	4.4	8.2	10.7
Total	na	2 459.7	2 512.4	2 955.7	na	18.5	17.8	20.4
Cinemas								
18–24	na	1 648.9	1 622.8	1 754.5	na	86.1	88.3	92.1
25–34	na	2 051.1	2 244.2	2 355.8	na	73.0	78.6	81.0
35–44	na	1 829.3	2 105.2	2 249.3	na	67.3	72.5	76.7
45–54	na	1 255.4	1 604.8	1 849.4	na	56.9	63.8	69.9
55–64	na	627.5	836.1	1 067.8	na	41.8	50.3	56.7
65–74	na	445.5	564.5	566.9	na	33.6	41.5	44.2
75 and over	na	174.4	258.7	294.1	na	21.3	27.2	31.0
Total	na	8 032.1	9 236.2	10 137.7	na	60.4	65.6	69.9
At least one venue or event								
18–24	na	1 810.3	1 730.0	1 860.2	na	94.5	94.1	97.7
25–34	na	2 539.3	2 608.1	2 744.0	na	90.4	91.3	94.4
35–44	na	2 386.5	2 577.2	2 714.2	na	87.9	88.7	92.5
45–54	na	1 786.0	2 109.3	2 342.6	na	81.0	83.8	88.6
55–64	na	1 093.1	1 253.3	1 555.1	na	72.9	75.4	82.5
65–74	na	869.9	967.2	975.6	na	65.7	71.2	76.1
75 and over	na	432.9	572.3	597.9	na	53.0	60.2	63.1
Total	na	10 918.0	11 817.3	12 789.5	na	82.2	83.9	88.2
Total population aged 18 years and over								
18–24	1 889.2	1 915.6	1 838.0	1 904.9	..	..	..	..
25–34	2 714.0	2 808.4	2 856.2	2 907.2	..	..	..	..
35–44	2 546.0	2 716.5	2 904.6	2 932.8	..	..	..	..
45–54	1 806.7	2 205.5	2 517.0	2 644.6	..	..	..	..
55–64	1 400.7	1 500.1	1 662.2	1 884.1	..	..	..	..
65–74	1 123.7	1 324.3	1 358.7	1 281.7	..	..	..	..
75 and over	615.1	817.5	950.4	947.9	..	..	..	..
Total	12 095.4	13 287.9	14 087.2	14 503.3	..	..	..	..

na not available

.. not applicable

(a) Care should be taken when interpreting the data presented in this table as most of the changes between the years are not statistically significant. See paragraphs 11 and 12 of the

Technical Note for more details. In addition, there have been some changes in methodology between these surveys which may affect the validity of the comparisons (see paragraphs 26–30 of the Explanatory Notes for more information).

EXPLANATORY NOTES

INTRODUCTION

1 This publication presents results on attendance at selected cultural venues and events by people aged 18 years and over, from the 2002 General Social Survey (GSS) which was conducted throughout Australia from March to July 2002.

2 A full list of the data items from the 2002 GSS will be contained in the *2002 General Social Survey: Data Reference Package* (cat. no. 4159.0.55.001), which is expected to be available on the ABS web site <www.abs.gov.au> in November 2003. This list will also be published in the *2002 General Social Survey: Users' Guide* (cat. no. 4159.0.55.002) which is also expected to be released in November 2003.

SCOPE

3 Only people who were usual residents of private dwellings in Australia were covered by the survey. Private dwellings are houses, flats, home units and any other structures used as private places of residence at the time of the survey. People usually resident in non-private dwellings such as hotels, motels, hostels, hospitals and short-stay caravan parks were not included in the survey. At 30 June 2002, there were 384,000 people living in non-private dwellings throughout Australia. The exclusion of these people (2% of the population) is unlikely to impact on the estimates included in this publication.

4 The GSS was conducted in both urban and rural areas in all states and territories, except for sparsely settled parts of Australia. New South Wales, Queensland, South Australia, Western Australia and the Northern Territory have sparsely settled areas. For the states, as the population living in the sparsely settled areas represents only a small proportion of the total population of each state, no adjustment was made to their population benchmarks (population benchmarks are discussed below) when deriving survey results. However, at 30 June 2002, a significant number of people aged 18 years and over were living in sparsely settled areas in the Northern Territory. These people have, therefore, been excluded from the population benchmarks in deriving the Northern Territory survey results. However, as these people represent only a very small proportion of the total Australian population, their exclusion has had a negligible impact on national estimates.

5 Only persons aged 18 years and over were included in the survey. The Australian population at 30 June 2002, after the exclusion of people living in non-private dwellings and in sparsely settled areas of the Northern Territory was 19,171,000, of which 14,503,300 were aged 18 years and over.

6 The following non residents were excluded from resident population estimates used to benchmark the survey result, and were not interviewed:

- diplomatic personnel of overseas governments
- members of non-Australian defence forces (and their dependants) stationed in Australia
- persons whose usual place of residence was outside Australia.

DATA COLLECTION

7 ABS interviewers conducted personal interviews at selected dwellings during the period March to July 2002. Interviews were conducted using a Computer Assisted Interviewing (CAI) questionnaire. CAI involves the use of a computer to record, store, manipulate and transmit the data collected during interviews.

8 Much of the detail obtained from the GSS was provided by one person aged 18 years or over randomly selected from each participating household. The random selection of this person was made once basic information had been obtained about all household members. Some financial and housing items collected in the GSS required the selected person to answer on behalf of other members of the household. In some cases, particularly where household information was not known by the selected person, a spokesperson for the household was nominated to provide household information.

EXPLANATORY NOTES *continued*

SURVEY DESIGN

9 Dwellings included in the survey in each state and territory were selected at random using a multi-stage area sample. This sample included only private dwellings from the geographic areas covered by the survey. The initial sample for the survey consisted of approximately 19,500 dwellings. This number was reduced to approximately 17,000 dwellings due to the loss of households which had no residents in scope for the survey and where dwellings proved to be vacant, under construction or derelict. Of the eligible dwellings, 91% responded fully (or adequately) which yielded a total sample from the survey of just over 15,500 dwellings.

10 Some survey respondents provided most of the required information, but were unwilling or unable to provide a response to certain data items. The records for these persons were retained in the sample and the missing values were recorded as 'don't know or not stated'. No attempt was made to deduce or impute for these missing values. Approximately 1,200 respondents did not provide one or more required answers but were deemed to have responded adequately.

WEIGHTING

11 Weighting is the process of adjusting results from a sample survey to infer results for the total in scope population. To do this, a 'weight' is allocated to each person in the sample. The weight is a value which indicates how many population units are represented by that person.

12 The first step in calculating weights for each person is to assign an initial weight, which is equal to the inverse of the probability of being selected in the survey. For example, if the probability of a person being selected in the survey was 1 in 600, then the person would have an initial weight of 600 (that is, they represent 600 people).

BENCHMARKING

13 The initial weights were calibrated to align with independent estimates of the population of interest, referred to as 'benchmarks'. Weights calibrated against population benchmarks ensure that the survey estimates conform to the independently estimated distribution of the population rather than to the distribution within the sample itself.

14 The survey was benchmarked to the estimated resident population (ERP) living in private dwellings in each state and the Australian Capital Territory and for the ERP living in non-sparsely settled areas of the Northern Territory at 30 June 2002. The ERP estimates for 2002 were based on results from the 1996 Census of Population and Housing. Therefore, the GSS estimates do not (and are not intended to) match estimates for the total Australian resident population (which include persons living in non-private dwellings, such as hotels and boarding houses) obtained from other sources.

ESTIMATION

15 Survey estimates of counts of persons are obtained by summing the weights of persons with the characteristic of interest.

RELIABILITY OF THE ESTIMATES

16 All sample surveys are subject to error. Errors in sample surveys can be classified to one of two broad groups. Sampling error occurs because only a small proportion of the total population is used to produce estimates that represent the population. Sampling error can be reliably measured as it is calculated based on the scientific methods used to design surveys. The second type of error is referred to as non-sampling error. This occurs when survey processes work less effectively than intended. For example, not all persons selected respond to the survey, questions in the survey are not always clear to the respondent, and occasionally errors can be made in processing data from the survey.

EXPLANATORY NOTES *continued*

Sampling error

17 Sampling error is the difference between the published estimates, derived from a sample of persons, and the value that would have been produced if all persons in scope of the survey had been included. For more information refer to the Technical Note. In this publication, estimates with relative standard errors (RSEs) of 25% to 50% are preceded by an asterisk (e.g. *3.4) to indicate that the estimate should be used with caution. Estimates with RSEs over 50% are indicated by a double asterisk (e.g. **0.6) and should be considered unreliable for most purposes.

Non-sampling error

18 One of the main sources of non-sampling error is non-response by persons selected in the survey. Non-response can affect the reliability of results and can introduce a bias. The magnitude of any bias depends upon the level of non-response and the extent of the difference between the characteristics of those people who responded to the survey and those who did not.

19 To reduce the level and impact of non-response, the following methods were adopted in this survey:

- face-to-face interviews with respondents
- the use of interviewers who could speak languages other than English where necessary
- follow-up of respondents if there was initially no response
- ensuring the weighted file is representative of the population by aligning the estimates with population benchmarks.

20 Of the dwellings selected in the GSS, 9% did not fully or adequately respond. As the non-response to the GSS was low, the impact of non-response bias is considered to be negligible.

21 Every effort was made to minimise other non-sampling error by careful design and testing of questionnaires, intensive training and supervision of interviewers, and extensive editing and quality control procedures at all stages of data processing.

22 An advantage of CAI technology used in conducting interviews for this survey is that it enables edits to be applied as the data are being gathered. The interviewer is alerted immediately if information entered into the computer is either outside the permitted range for that question, or contradictory to information previously recorded during the interview allowing the interviewer to query respondents and resolve the issue during the interview. CAI sequencing of questions is also automated such that respondents are asked only relevant questions and only in the appropriate sequence, eliminating interviewer sequencing errors.

DATA INTERPRETATION

23 It should be noted that this publication presents details of people who attended a cultural venue or event at least once during the 12 months before interview in 2002. As the tables provide the number of attendees and the attendance rates, it is also possible to calculate details of non-attendees.

24 The data presented cannot be compared with any administrative data held by cultural venues on total admissions, since details in relation to attendees under 18 years of age were not part of the survey. In addition, the survey provides information primarily about whether a person attended a venue at least once in the preceding 12 months, that is, attendances rather than total admissions (although some data are presented on frequency of attendance).

25 Data presented in this publication for libraries include only national, state and local libraries. Data in relation to school, college and university libraries were excluded from this publication.

EXPLANATORY NOTES *continued*

COMPARISONS WITH PREVIOUS DATA

26 Tables 11 and 12 provide comparisons with data collected during 1991, 1995 and 1999 supplementary surveys to the Monthly Population Survey (MPS). The methodology used in these surveys differed between years, as well as to the 2002 GSS, and this may affect the validity of comparisons. In addition, a change in the timing of the collection from every four years to three years may also impact on comparability of data over time.

27 The 1999 survey collected data about a randomly selected person from any responsible adult in the household at the time of interview, whereas in the 1991, 1995 and 2002 surveys, the information was obtained from the randomly selected person.

28 In the 1999 survey, most of the interviews were conducted by telephone, whereas in the 1991, 1995 and 2002 surveys, all of the interviews were conducted face-to-face. This difference in methodology necessitated some wording changes to the questions for the 1999 survey as prompt cards could not be used. Furthermore, in 2002, interviews were conducted using CAI technology whereas in 1991, 1995 and 1999, interviews were conducted using pen and paper.

29 In the 2002 survey, respondents were asked about a wide range of general social topics in addition to attendance at cultural venues and events. By comparison, respondents to the 1991, 1995 and 1999 surveys were only asked questions about labour force status in addition to attendance at cultural venues and events. The different context for the attendance questions in 2002 may have had some impact on the responses provided by respondents.

30 It is not possible to determine the extent to which the differences between the 2002 GSS and the 1991, 1995 and 1999 Monthly Population Survey methodologies have contributed to the different results.

GENERAL ACKNOWLEDGMENT

31 The statistics in this publication draw on information provided freely by individuals. Their continued cooperation is very much appreciated; without it, the wide range of population and social 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*.

RELATED PUBLICATIONS

32 Results from the wide range of topics collected in the GSS will be contained in the publication *General Social Survey, Australia, 2002* (cat. no. 4159.0), which is expected to be released in November 2003. Detailed results on sports attendance and sports participation will be contained in the following publications, which are expected to be released in December 2003:

Sports Attendance, Australia, 2002, cat. no. 4174.0

Participation in Sport and Physical Activities, Australia, 2002, cat. no. 4177.0.

33 Other ABS publications containing cultural information include:
Australian Culture and Leisure Classifications, 2001, cat. no. 4902.0

How Australians Use Their Time, 1997, cat. no. 4153.0

Museums, Australia, 1999–2000, cat. no. 8560.0

Public Libraries, Australia, 1999–2000, cat. no. 8561.0

Botanic Gardens, Australia, 1999–2000, cat. no. 8563.0

Motion Picture Exhibition, 1999–2000, cat. no. 8654.0

Performing Arts Industries, Australia, 1999–2000, cat. no. 8697.0

Zoos, Parks and Gardens Industry, Australia, 1996–97, cat. no. 8699.0.

TECHNICAL NOTE MEASURING SAMPLING VARIABILITY

RELIABILITY OF THE ESTIMATES

1 Since the estimates in this publication are based on information obtained from a sample of persons, they are subject to sampling variability. That is, they may differ from those that would have been produced had all persons been included in the survey. One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of persons was included. There are about 2 chances in 3 that the sample estimate will differ by less than one SE from the number that would have been obtained if all persons had been surveyed, and about 19 chances in 20 that the difference will be less than two SEs.

2 Another measure of the likely difference is the relative standard error (RSE), which is obtained by expressing the SE as a percentage of the estimate.

$$RSE\% = \left(\frac{SE}{\text{estimate}} \right) \times 100$$

3 In the tables in this publication, only estimates (numbers or percentages) with RSEs less than 25% are considered sufficiently reliable for most purposes. However, estimates with larger RSEs have been included and are preceded by an asterisk (e.g.*3.4) to indicate they are subject to high SEs relative to their estimate and should be used with caution. Estimates with RSEs greater than 50% are preceded by a double asterisk (e.g.**2.1) to indicate that they are considered too unreliable for general use.

4 Space does not allow for the separate indication of the SEs and/or RSEs of all the estimates in this publication. However, RSEs for these estimates are available free-of-charge from Chris Giddings on Adelaide (08) 8237 7326.

5 To assist users of this publication to ascertain the approximate levels of reliability of estimates throughout this publication, a table of SEs and RSEs for certain estimates of population counts is shown at the end of this Technical Note. These values do not give a precise measure of the SEs or RSEs for a particular estimate, but will provide an indication of their magnitude.

CALCULATING STANDARD ERRORS FOR POPULATION ESTIMATES

6 An example of the calculation and use of SEs in relation to estimates of numbers of persons is as follows. Consider the estimate of the number of persons (aged 18 years or more) in Australia who attended dance performances in the 12 months before interview, which is 1,581,000 (table 1). Since this estimate is between 1,000,000 and 2,000,000, the SE will be between 27,000 and 34,000 (as shown in the SE table), and can be approximated by interpolation using the following formula:

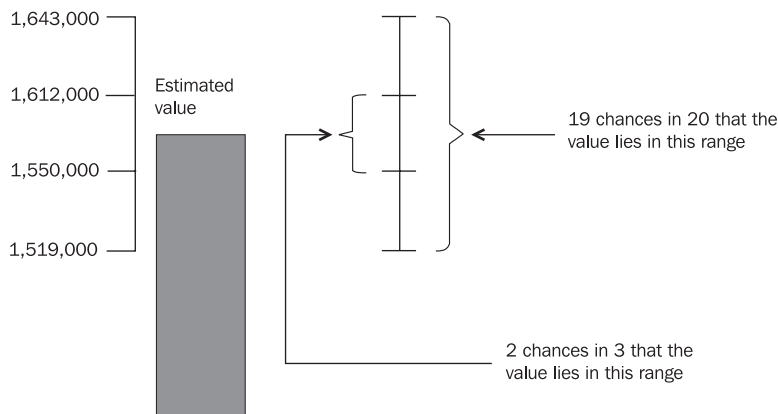
$$SE = \text{lower SE} + ((\text{size of estimate} - \text{lower size}) / (\text{upper size} - \text{lower size})) \times (\text{upper SE} - \text{lower SE})$$

$$\text{i.e. SE} = 27,000 + [(1,581,000 - 1,000,000) / (2,000,000 - 1,000,000)] \times (34,000 - 27,000)$$

$$\text{i.e. SE} = (\text{approximately}) 31,000$$

7 Therefore, there are about 2 chances in 3 that the value that would have been produced if all persons had been included in the survey would have fallen within the range 1,550,000 to 1,612,000, and about 19 chances in 20 that the value would have fallen within the range 1,519,000 to 1,643,000. This example is illustrated in the following diagram.

CALCULATING STANDARD ERRORS FOR POPULATION ESTIMATES *continued*



CALCULATING STANDARD ERRORS FOR PROPORTIONS AND PERCENTAGES

8 Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. The formula to approximate the RSE of a proportion is given below:

$$RSE(x/y) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

9 Consider the example given above of the number of persons who attended dance performances (1,581,000). Of these, 49.4% (or approximately 781,200) attended once only in the 12 months before interview (table 10). As already noted, the SE of 1,581,000 is approximately 31,000, which equates to an RSE of 2.0%. The SE and RSE of 781,200 are approximately 25,000 and 3.2% respectively. Applying the formula above, the estimate of 49.4% will have an RSE of:

$$RSE(x/y) = \sqrt{[RSE(781,200)]^2 + [RSE(1,581,000)]^2}$$

$$RSE(x/y) = \sqrt{(3.2)^2 + (2.0)^2}$$

$$RSE(x/y) = 2.5$$

10 This gives a SE for the proportion (49.4%) of approximately 1.2 percentage points (.025 x 49.4). Therefore, if all persons had been included in the survey, there are 2 chances in 3 that the proportion that would have been obtained is between 48.2% to 50.6% and about 19 chances in 20 that the proportion is within the range 47.0% to 51.8%.

CALCULATION OF STANDARD ERRORS FOR DIFFERENCES OF ESTIMATES

11 The difference between two survey estimates (numbers or percentages) is also subject to sampling error. The sampling error of the difference between two estimates depends on their SEs and the relationship (correlation) between them. An approximate SE of the difference between two estimates (x-y) may be calculated by the formula:

$$SE(x-y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

12 While this formula will only be exact for differences between separate and uncorrelated (unrelated) characteristics of sub-populations, it is expected to provide a good approximation for all differences likely to be of interest in this publication.

TECHNICAL NOTE MEASURING SAMPLING VARIABILITY *continued*

STANDARD ERRORS OF ESTIMATES

Size of estimate (persons)	STANDARD ERROR								AUST.	
	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Standard error	Relative standard error
	no.	no.	no.	no.	no.	no.	no.	no.	no.	%
100	190	160	260	140	150	130	90	70	170	166
200	320	280	400	230	250	190	140	110	280	140
300	440	380	520	300	330	230	180	140	380	126
500	630	550	700	430	470	300	240	200	540	109
700	800	700	860	540	590	360	290	240	690	98
1 000	1 020	900	1 050	680	740	430	350	300	870	87
1 500	1 340	1 190	1 330	880	960	530	430	380	1 140	76
2 000	1 620	1 440	1 570	1 050	1 140	610	490	440	1 370	68
2 500	1 870	1 660	1 770	1 200	1 310	680	540	490	1 570	63
3 000	2 090	1 870	1 960	1 340	1 460	740	590	540	1 760	59
3 500	2 310	2 060	2 140	1 460	1 590	800	620	580	1 930	55
4 000	2 500	2 240	2 300	1 580	1 720	850	660	620	2 100	52
5 000	2 870	2 570	2 600	1 790	1 950	950	720	690	2 390	48
7 000	3 510	3 150	3 120	2 150	2 350	1 110	820	810	2 910	42
10 000	4 320	3 890	3 770	2 590	2 840	1 300	930	940	3 550	36
15 000	5 430	4 910	4 670	3 180	3 500	1 560	1 070	1 110	4 430	30
20 000	6 340	5 760	5 400	3 680	4 040	1 780	1 160	1 240	5 160	26
30 000	7 860	7 200	6 660	4 440	4 890	2 130	1 290	1 440	6 330	21
40 000	9 120	8 360	7 680	5 080	5 560	2 400	1 400	1 600	7 320	18
50 000	10 200	9 400	8 600	5 600	6 150	2 650	1 500	1 700	8 150	16
100 000	14 300	13 200	12 000	7 500	8 300	3 500	1 700	2 100	11 200	11
150 000	17 100	16 050	14 550	8 700	9 750	4 050	1 800	2 400	13 350	9
200 000	19 400	18 200	16 600	9 800	10 800	4 600	1 800	2 600	15 000	8
300 000	23 100	21 900	20 100	11 100	12 600	5 400	..	2 700	17 700	6
400 000	26 000	24 800	22 800	12 400	13 600	6 000	..	..	19 600	5
500 000	28 500	27 000	25 500	13 500	15 000	..	..	..	21 500	4
1 000 000	37 000	35 000	34 000	16 000	18 000	..	..	..	27 000	3
2 000 000	46 000	46 000	46 000	20 000	22 000	..	..	..	34 000	2
5 000 000	60 000	60 000	65 000	..	..	..	..	..	45 000	1
10 000 000	..	..	..	..	..	..	..	..	50 000	1

.. not applicable

NUMBER OF PERSONS, Estimates with relative standard errors of 25% and 50%

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Size of estimate	no.	no.	no.	no.	no.	no.	no.	no.	no.
Estimates with RSEs of 25%	33 178	27 379	23 500	10 784	13 014	2 925	1 913	1 502	21 300
Estimates with RSEs of 50%	7 043	5 368	5 441	2 261	2 798	736	461	269	4 483

GLOSSARY

Age	This is the person's age on their last birthday.
Art galleries	This category includes national, state and regional galleries primarily engaged in the collection, acquisition, research into, conservation, communication and exhibition of visual art and craft objects, for the purposes of study, education and enjoyment by the general public and/or specialists. Commercial art galleries where works are exhibited for sale are excluded.
Attendance rate	For any group, this is calculated by expressing the number of people who attended a venue or event at least once during the year as a percentage of the population aged 18 years and over in the same group.
Botanic gardens	These are institutions established as a large garden to collect, study, exchange and display native and/or exotic plants.
Capital cities	The areas determining the six state capital cities are the Statistical Divisions for those capital cities defined in <i>Australian Standard Geographical Classification (ASGC)</i> (cat. no. 1216.0).
Cinemas	This category includes drive-ins and public screenings of films at other locations (e.g. at a community hall) in addition to cinema screenings.
Circuses	These comprise travelling companies of performers which may incorporate animals in their acts. Data about circuses are a subset of 'Other performing arts'.
Classical music concerts	This category refers to performances given by symphony, philharmonic, youth and theatre orchestras, chamber and choral groups presenting, in the main, performances of classical, oratorio, early and contemporary music. Individual performers and singers, vocal ensembles and other groups presenting music, other than popular music, are also included.
Couple	This comprises two people in a registered or de facto marriage, who usually live in the same household.
Dance performances	These performances include ballet, classical dance, contemporary dance, modern dance, dance theatre, dance revue, ethnic and folk dance companies and dance in education companies. Variety dance shows such as 'dance on ice' are excluded.
Dependent child/ren	These are all people aged under 15 years; and people aged 15–24 years who are full-time students, have a parent in the household and do not have a partner or child of their own in the household.
Equivalised gross household income	This is gross household income adjusted using an equivalence scale. For a lone person household it is equal to gross household income. For a household comprising more than one person, it is an indicator of the gross household income that would need to be received by a lone person household to enjoy the same level of economic wellbeing as the household in question. For further information see Appendix 2 in <i>Household Income and Income Distribution, Australia</i> (cat. no. 6523.0).
Family	This comprises two or more people, one of whom is at least 18 years of age, who are related by blood, marriage (registered or de facto), adoption, step or fostering, and who usually live in the same household. A separate family is formed for each married couple, or for each set of parent-child relationships where only one parent is present.
Gross income	This comprises regular and recurring cash receipts including moneys received from wages and salaries, government pensions and allowances, and other regular receipts such as superannuation, workers' compensation, child support, scholarships, profit or loss from own unincorporated business or partnership and property income. Gross income is the sum of the income from all these sources before income tax or the Medicare levy are deducted.

GLOSSARY *continued*

Household	A household is defined as 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/her own food and other essentials for living, without combining with any other person.
Household composition	<p>Descriptions of the different types of household composition are provided below:</p> <p><i>Couple only, one family household.</i> A household consisting of a couple with no other related or unrelated persons usually resident.</p> <p><i>One family household with dependent child/ren — couple family.</i> A household consisting of a couple and at least one dependent child usually resident in the household. Related non-dependent children may also be present in the household. Households which also have other related or unrelated residents are not included.</p> <p><i>One family household with dependent child/ren — one-parent family.</i> A household consisting of a lone parent and at least one dependent child usually resident in the household. Non-dependent children may also be present in the household. Households which also have other related or unrelated usual residents are not included.</p> <p><i>Lone person household.</i> A household consisting of a person living alone.</p> <p><i>Other households.</i> Comprises all other households, including multiple family households, and households consisting of unrelated adults.</p>
Income quintiles	These are groupings of 20% of the total population when ranked in ascending order according to income. The population used for this purpose includes all people living in private dwellings, including children and other persons under the age of 18 years. As the scope of this publication is restricted to only those persons aged 18 years and over, the distribution of this smaller population across the quintiles is not necessarily the same as it is for persons of all ages i.e. the percentage of persons aged 18 years and over in each of these quintiles may be larger or smaller than 20%.
Labour force status	<p>Descriptions of the categories of labour force status are provided below:</p> <p><i>Employed.</i> Had a job or business, or undertook work without pay in a family business in the week prior to the survey, including being absent from a job or business they had.</p> <p style="padding-left: 20px;">Full-time — persons who usually work 35 hours or more per week</p> <p style="padding-left: 20px;">Part-time — persons who usually work at least one hour, but less than 35 hours, per week.</p> <p><i>Unemployed.</i> Not employed and actively looked for work in the four weeks prior to the survey and available to start work in the week prior to the survey.</p> <p><i>Not in the labour force.</i> Comprises those persons who are neither employed nor unemployed. It includes those who are:</p> <ul style="list-style-type: none"> retired keeping house (unpaid) voluntarily inactive permanently unable to work.
Level of highest educational attainment	<p>Descriptions of the different levels of attainment are provided below.</p> <p><i>Postgraduate degree.</i> This level provides for in-depth study in a particular field, and builds on the knowledge and skills gained from previous study. There is usually emphasis on original research. This level includes Doctorates and Master Degrees, either by research or course work.</p> <p><i>Graduate diploma and graduate certificate.</i> This level provides graduate specialisation within a systematic and coherent body of knowledge, and develops or broadens vocational knowledge, skills and practical experience in a new or existing field of professional study.</p>

GLOSSARY *continued*

Level of highest educational attainment *continued*

Bachelor degree. This level provides study of a systematic and coherent broad body of knowledge, the underlying principles and concepts and the associated communication and problem-solving skills. This level develops the academic skills necessary to comprehend and evaluate new information, concepts and evidence from a range of sources.

Advanced diploma and diploma. This level provides a knowledge and skills base, incorporating theoretical concepts, with substantial depth in some areas.

Certificate. This level provides a knowledge and skills base ranging from an understanding of basic concepts and the ability to perform a defined range of routine and predictable activities, to a breadth, depth and complexity of knowledge incorporating some theoretical concepts and the ability to apply knowledge and skills to a variety of contexts most of which are complex and non-routine. Levels III and IV provide a broad knowledge base incorporating some theoretical concepts and the skills necessary: to perform a broad range of skilled applications; to provide technical advice of a complex nature; and to provide workgroup leadership when organising activities. Levels I and II provide a knowledge and skills base ranging from basic knowledge in a narrow range of areas to basic operational knowledge in a moderate range of areas.

Year 12. This level provides the basis for further study in both higher education and vocational education and training, and for entry to the workforce. Year 12 marks the completion of secondary education.

Year 11. This level provides the basis for further study in both higher education and vocational education and training, and for entry to the workforce.

Year 10. This level develops knowledge of specific subjects by expanding on Year 9 education. It also provides a foundation for lifelong learning by preparing students for further study and enabling them to acquire work-related skills necessary for entry to the workforce.

Libraries

This category includes national and state libraries as well as public libraries. The latter are institutions funded by state and local government which are primarily engaged in the provision of a free library service to the population of a community or region. Special libraries and those located in educational institutions are excluded from this category.

Main English-speaking countries

This refers to the main countries from which Australia receives, or has received, significant numbers of overseas settlers who are likely to speak English. These countries comprise the United Kingdom and Ireland, New Zealand, Canada, the United States of America and South Africa.

Museums

These are organisations involved in the collection, acquisition, research into, conservation, communication and exhibition of the material evidence of people, their culture and environment, for the purposes of study, education and enjoyment by the general public and/or specialists. Included are science and technology, history, natural science, transport and specialist museums, science centres, museums and art galleries combined, and historical theme parks.

Musicals and operas

This category includes major musical productions, operas and operettas, performed in front of a live audience. Excluded are variety, cabaret and instrumental music performances.

Non-dependent child/ren

These are all people aged 15 years or over (except those aged 15–24 years who are full-time students) who have a parent in the household and do not have a partner or child of their own in the household.

Other performing arts

This category consists of performing artists, working individually or in groups or companies. Included are acrobats, clowns, fire eaters, sword swallowers, stilt walkers, trick cyclists, circuses (with or without animals), magicians, ventriloquists, pantomime, variety, revue and mime artists, comedians, ice dancing, reciters, poetry readers and oral history performance artists.

GLOSSARY *continued*

Popular music concerts	This category covers the presentation, in front of live audiences, of popular music performances by individual musicians and vocalists as well as by orchestras, brass and concert bands, music groups, etc. Included are rock, jazz, pop, folk, country and western, ethnic, Aboriginal and multicultural music. Almost any venue is included, including performances in hotels and clubs, but performances in the street, such as busking and street parades, are excluded.
Rest of Australia	This category comprises people usually resident in areas outside of the six state capital city Statistical Divisions, including all residents of the Northern Territory (except those in sparsely settled areas) and the Australian Capital Territory.
Theatre performances	These are live performances, by actors or puppets, of plays where the entire, or a major part of the performance, does not use song and music. It includes innovative, playback, puppet, fringe, youth and community theatre, theatre sports and theatre of the deaf as well as drama, comedy, mime and theatre-in-education.
Usual residence	A usual residence is a dwelling that is a person's only or main residence. If a person resided in more than one dwelling, the usual residence was the dwelling with which the person had the strongest family and/or economic ties. This would normally be the person's permanent home base or place of permanent address.
Zoological parks and aquariums	This category comprises zoological gardens, other wildlife parks, aquariums and marine parks primarily engaged in the breeding, preservation, study and display of native and/or exotic fauna in captivity, enclosures or natural environments, so as to be accessible to the general public.

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