



1998–99

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PARTICIPATION IN SPORT AND PHYSICAL ACTIVITIES AUSTRALIA

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- For further information about these and related statistics, contact Nigel Williams on Adelaide 08 8237 7404, or Client Services in any ABS office as shown on the back cover of this publication.

NOTES

ABOUT THIS PUBLICATION

This publication presents information on the participation by Australians in selected sport and physical activities. Data have been obtained from information collected during 1998–99 in the Population Survey Monitor (PSM). The data relate to participation in the 12 months prior to interview.

The PSM is a quarterly household survey conducted throughout Australia, with government agencies funding topics of their choice. Funding for questions on sport and recreation was provided by the Australian Sports Commission and the Recreation and Sport Industry Statistics Group. Results from the four quarterly surveys in 1998–99 have been collated to produce annual estimates.

In this publication the term 'participant' is defined as a player or a person who physically undertakes the activity. It excludes coaches, instructors, umpires and committee members.



CHANGES IN THIS ISSUE

Commencing from data collected in 1998–99, participation in sport and physical activity is defined to include non-organised running/jogging and walking for fitness. Previously, such activities were specifically excluded—only running/jogging and walking organised by a club or association were included.

A new table has been introduced. Table 10 shows organised participation in 1996–97, 1997–98 and 1998–99.

Care should be taken when comparing data across years. Refer to paragraphs 13–17 of the Explanatory Notes for further information.



SYMBOLS AND OTHER USAGES

ABS	Australian Bureau of Statistics
PSM	Population Survey Monitor
RSE	relative standard error
SE	standard error
*	subject to sampling variability too high for most practical purposes (i.e. relative standard error greater than 25% and up to and including 50%)
**	subject to sampling variability too high for practical purposes (i.e. relative standard error greater than 50%)
—	nil or rounded to zero



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.

W. McLennan
Australian Statistician

SUMMARY OF FINDINGS

PARTICIPATION CHARACTERISTICS

During the 12 months prior to interview in 1998–99:

- 59.4% of persons aged 18 years and over (8,062,300) participated in sport or physical activities.
- Males had a higher participation rate (62.6%) than females (56.3%).
- Participation rates were highest for the 18–24 year age group (males 81.9% and females 78.8%), and declined steadily with age. The rate for persons aged 65 years and over was 36.8%.
- Australian-born persons were more likely to participate than persons born overseas (62.5% compared with 51.6%).
- 30.3% of persons (4,106,100) had participated in club or association organised sport or physical activities. Around three-fifths of these (2,496,000) also took part in non-organised activities.
- 29.1% of persons (3,956,200) participated solely in non-organised activities.
- The proportion of capital city residents who participated in sport or physical activities (60.0%) was higher than the corresponding proportion of those living in other parts of Australia (58.2%).
- The participation rate in the Australian Capital Territory was 73.2%, almost 10 percentage points higher than any other State or Territory, while the lowest rate occurred in South Australia (56.9%).
- 27.1% of persons (3,677,200) participated in a sport or physical activity as members of a club or association whose primary focus was the activity concerned. Over 60% of these (2,310,800) also participated in other sport or physical activities but not as club members.
- 32.3% of persons (4,385,100) participated in sport or physical activities solely as non-members.

SUMMARY OF FINDINGS *continued*

ACTIVITIES WITH MOST PARTICIPANTS

Sports and physical activities that attracted most participants were walking, swimming, aerobics/fitness, golf and tennis. These activities were among the top ten non-organised activities, of which walking, with about three million participants, was the most reported. For organised activities, the top five were aerobics/fitness, golf, tennis, netball and lawn bowls.

SPORTS AND PHYSICAL ACTIVITIES WITH MOST PARTICIPANTS(a)

	<i>Persons</i>	<i>Participation</i>
	'000	rate(b)
		%
Walking	3 077.7	22.7
Swimming	2 081.0	15.3
Aerobics/fitness	1 512.9	11.1
Golf	1 331.2	9.8
Tennis	1 051.4	7.7
Fishing	915.0	6.7
Cycling	795.8	5.9
Running	654.0	4.8
Netball	438.6	3.2
Billiards/snooker/pool	402.1	3.0

(a) Relates to participation by persons aged 18 years and over during a 12-month period prior to interview in 1998–99.

(b) Percentage of the civilian population aged 18 years and over.

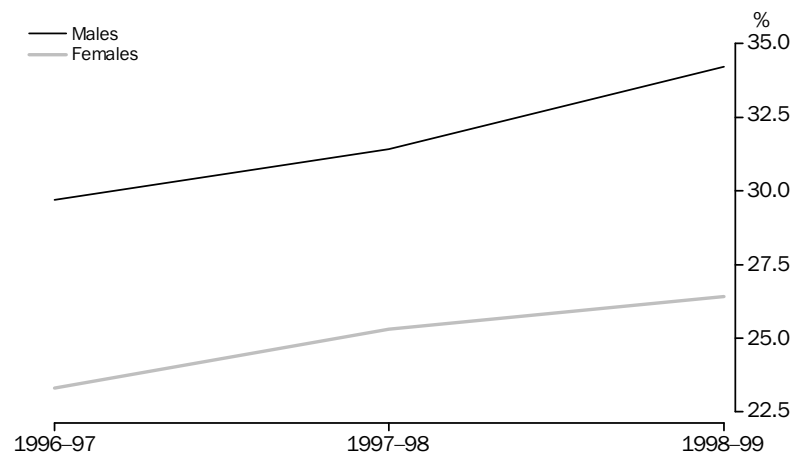
SUMMARY OF FINDINGS *continued*

TRENDS IN ORGANISED PARTICIPATION

Approximately three-tenths of Australians aged 18 years and over take part in sport and physical activities organised by clubs or associations. In the 12 months prior to 1996–97, the participation rate was 26.5%, while for the 12 months prior to 1998–99 the rate was 30.3%. In terms of persons involved, the number of participants has increased from 3.5 million to 4.1 million over that time.

As well as highlighting the fact that male participation rates are higher than that of females the graph below also indicates a general increase in participation over the period shown.

PARTICIPATION IN ORGANISED SPORT AND PHYSICAL ACTIVITIES(a)



(a) Relates to participation by persons aged 18 years and over during 12 months prior to interview in the year shown.

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CHARACTERISTICS OF PARTICIPANTS, Sport and Physical Activities(a)

Characteristics	MALES.....		FEMALES.....		PERSONS.....	
	Number	Participation rate	Number	Participation rate	Number	Participation rate
	'000	%	'000	%	'000	%
Age group (years)						
18-24	754.4	81.9	704.8	78.8	1 459.2	80.4
25-34	1 040.0	75.4	917.2	64.9	1 957.3	70.1
35-44	886.8	63.0	851.0	59.1	1 737.8	61.1
45-54	724.5	58.8	659.5	53.9	1 384.0	56.4
55-64	388.7	48.0	377.7	47.5	766.4	47.8
65 and over	389.1	41.9	368.5	32.6	757.6	36.8
Region						
Capital cities	2 751.4	63.6	2 564.9	56.7	5 316.4	60.0
Rest of State	1 432.1	60.9	1 313.8	55.5	2 745.9	58.2
Country of birth						
Australia	3 109.3	65.7	2 993.4	59.4	6 102.7	62.5
United Kingdom, Ireland and New Zealand	425.6	60.1	373.7	56.8	799.2	58.5
Other countries	648.6	52.3	511.7	42.8	1 160.3	47.7
<i>Total overseas born</i>	<i>1 074.2</i>	<i>55.2</i>	<i>885.4</i>	<i>47.8</i>	<i>1 959.5</i>	<i>51.6</i>
Employment status						
Employed full time	2 731.0	67.2	1 369.3	67.6	4 100.3	67.3
Employed part time	502.6	72.5	1 133.8	65.5	1 636.4	67.5
<i>Total employed</i>	<i>3 233.6</i>	<i>68.0</i>	<i>2 503.1</i>	<i>66.6</i>	<i>5 736.7</i>	<i>67.4</i>
Unemployed	210.7	58.6	157.4	60.9	368.1	59.6
Not in the labour force	739.3	47.4	1 218.2	42.3	1 957.5	44.1
Total	4 183.5	62.6	3 878.8	56.3	8 062.3	59.4

(a) Relates to persons aged 18 years and over who participated in sport or physical activity over a 12-month period prior to interview during 1998-99.

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PARTICIPANTS, Sport and Physical Activities—Age and sex(a)

Age group (years)	NSW	Vic.	Qld	SA	WA	Tas.	NT(b)	ACT	Aust.
NUMBER ('000)									
Males									
18–24	235.3	196.4	149.8	57.3	77.5	17.4	5.8	14.9	754.4
25–34	351.3	266.6	188.5	78.8	99.2	25.4	10.1	20.0	1 040.0
35–44	296.8	213.4	167.1	65.8	94.7	23.4	7.4	18.2	886.8
45–54	254.9	174.5	126.2	59.7	71.2	17.5	5.7	14.8	724.5
55–64	137.1	87.4	79.5	26.2	39.9	9.4	2.1	7.1	388.7
65 and over	151.3	99.0	54.4	38.0	29.2	10.7	**	5.1	389.1
All males	1 426.8	1 037.4	765.5	325.7	411.6	103.8	32.5	80.2	4 183.5
Females									
18–24	226.3	180.2	139.6	55.5	67.9	15.7	4.6	15.0	704.8
25–34	281.6	236.3	174.1	70.6	106.6	20.3	10.1	17.6	917.2
35–44	276.9	206.1	155.5	68.9	96.1	20.1	8.6	18.7	851.0
45–54	209.1	161.2	137.9	46.7	67.2	18.7	4.0	14.6	659.5
55–64	127.0	94.7	69.6	26.9	38.2	11.5	*1.4	8.3	377.7
65 and over	149.7	88.9	46.5	30.4	37.7	10.1	**	4.9	368.5
All females	1 270.6	967.5	723.2	299.0	413.7	96.4	29.1	79.2	3 878.8
Persons									
18–24	461.6	376.6	289.4	112.8	145.4	33.0	10.3	29.9	1 459.2
25–34	633.0	502.9	362.6	149.4	205.8	45.7	20.2	37.6	1 957.3
35–44	573.7	419.6	322.6	134.7	190.8	43.5	16.1	36.9	1 737.8
45–54	464.0	335.7	264.1	106.4	138.4	36.3	9.7	29.5	1 384.0
55–64	264.1	182.1	149.1	53.1	78.1	20.9	3.5	15.4	766.4
65 and over	301.0	188.0	100.9	68.4	66.8	20.8	*1.8	9.9	757.6
All persons	2 697.4	2 004.9	1 488.7	624.7	825.4	200.3	61.6	159.3	8 062.3
PARTICIPATION RATE (%)									
Males									
18–24	77.0	83.4	88.1	82.0	82.7	80.3	73.8	84.8	81.9
25–34	75.4	74.6	76.5	74.8	72.4	81.9	77.1	88.0	75.4
35–44	61.7	60.6	66.0	59.6	67.7	66.3	56.4	83.2	63.0
45–54	61.1	57.7	55.0	60.0	58.6	57.0	53.7	69.9	58.8
55–64	49.0	43.4	53.7	39.6	52.7	43.5	41.2	61.1	48.0
65 and over	46.5	41.3	33.9	43.9	37.2	41.8	**	50.0	41.9
All males	62.7	61.4	63.4	60.6	63.7	62.6	61.7	76.2	62.6
Females									
18–24	76.4	79.1	83.3	82.9	75.4	75.6	61.3	87.6	78.8
25–34	58.8	64.8	68.0	67.4	77.5	62.9	73.6	72.6	64.9
35–44	56.9	57.4	59.3	60.4	67.1	56.1	65.3	75.9	59.1
45–54	50.9	52.6	61.4	46.6	57.1	59.7	43.9	66.6	53.9
55–64	46.4	46.6	48.9	39.9	53.0	53.3	*45.0	71.2	47.5
65 and over	37.4	30.0	25.0	28.3	39.9	31.5	**	38.5	32.6
All females	54.2	55.0	58.4	53.3	63.2	55.5	59.3	70.5	56.3
Persons									
18–24	76.7	81.3	85.7	82.5	79.1	78.0	67.7	86.2	80.4
25–34	67.0	69.6	72.2	71.1	75.0	72.2	75.3	80.1	70.1
35–44	59.3	59.0	62.6	60.0	67.4	61.2	60.9	79.3	61.1
45–54	56.0	55.1	58.2	53.3	57.8	58.4	49.2	68.2	56.4
55–64	47.7	45.0	51.4	39.8	52.9	48.4	42.6	66.2	47.8
65 and over	41.5	35.0	29.1	35.3	38.7	36.1	*33.9	43.6	36.8
All persons	58.4	58.2	60.9	56.9	63.4	58.9	60.5	73.2	59.4

(a) Relates to persons aged 18 years and over who participated in sport or physical activity over a 12-month period prior to interview during 1998–99.

(b) Includes predominantly urban areas only—see paragraph 3 of the Explanatory Notes.

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PARTICIPANTS, Selected Sport and Physical Activities

Sport and physical activities	MALES.....		FEMALES.....		PERSONS.....	
	Number	Participation rate	Number	Participation rate	Number	Participation rate
	'000	%	'000	%	'000	%
Aerobics/fitness	518.9	7.8	994.0	14.4	1 512.9	11.1
Air sports	31.0	0.5	**	**	45.6	0.3
Aquarobics	*8.5	*0.1	108.4	1.6	116.9	0.9
Archery	25.0	0.4	**	**	36.2	0.3
Athletics/track and field	27.5	0.4	30.4	0.4	57.9	0.4
Australian Rules football	148.9	2.2	**	**	157.4	1.2
Badminton	47.4	0.7	29.5	0.4	76.9	0.6
Baseball	34.5	0.5	**	**	44.7	0.3
Basketball	175.8	2.6	78.3	1.1	254.1	1.9
Billiards/snooker/pool	284.1	4.3	118.0	1.7	402.1	3.0
Boxing	37.0	0.6	*6.6	*0.1	43.6	0.3
Canoeing/kayaking	40.6	0.6	42.8	0.6	83.4	0.6
Carpet bowls	*14.5	*0.2	23.0	0.3	37.5	0.3
Cricket (indoor)	129.7	1.9	23.5	0.3	153.3	1.1
Cricket (outdoor)	280.4	4.2	24.0	0.3	304.4	2.2
Cycling	482.4	7.2	313.4	4.5	795.8	5.9
Dancing	33.0	0.5	81.9	1.2	114.9	0.8
Darts	73.5	1.1	54.0	0.8	127.5	0.9
Fishing	699.7	10.5	215.2	3.1	915.0	6.7
Golf	1 048.7	15.7	282.5	4.1	1 331.2	9.8
Gymnastics	81.8	1.2	103.0	1.5	184.8	1.4
Hockey (outdoor)	43.2	0.6	21.7	0.3	64.9	0.5
Horse riding	72.3	1.1	185.2	2.7	257.5	1.9
Ice/snow sports	150.8	2.3	95.2	1.4	245.9	1.8
Lawn bowls	229.8	3.4	118.9	1.7	348.7	2.6
Martial arts	126.3	1.9	107.6	1.6	233.8	1.7
Motor sports	32.7	0.5	**	**	34.1	0.3
Netball	66.5	1.0	372.0	5.4	438.6	3.2
Rock climbing	36.7	0.5	*10.2	*0.1	46.8	0.3
Roller sports	34.0	0.5	25.9	0.4	59.9	0.4
Rowing	*12.7	*0.2	*14.4	*0.2	27.0	0.2
Rugby League	77.1	1.2	**	**	81.2	0.6
Rugby Union	70.2	1.1	**	**	72.3	0.5
Running	438.1	6.6	215.8	3.1	654.0	4.8
Sailing	96.5	1.4	65.2	0.9	161.7	1.2
Scuba diving	76.6	1.1	53.7	0.8	130.3	1.0
Shooting sports	51.8	0.8	**	**	52.1	0.4
Soccer (indoor)	77.4	1.2	**	**	84.2	0.6
Soccer (outdoor)	240.4	3.6	26.7	0.4	267.1	2.0
Softball	21.2	0.3	37.4	0.5	58.6	0.4
Squash/racquetball	229.5	3.4	127.1	1.8	356.6	2.6
Surf sports	234.6	3.5	59.8	0.9	294.4	2.2
Swimming	937.6	14.0	1 143.4	16.6	2 081.0	15.3
Table tennis	80.5	1.2	35.7	0.5	116.2	0.9
Tennis	553.1	8.3	498.3	7.2	1 051.4	7.7
Tenpin bowling	187.5	2.8	184.0	2.7	371.5	2.7
Touch football	130.1	1.9	60.6	0.9	190.7	1.4
Volleyball	70.2	1.1	70.6	1.0	140.8	1.0
Walking	1 041.9	15.6	2 035.9	29.5	3 077.7	22.7
Waterskiing/powerboating	120.4	1.8	67.3	1.0	187.7	1.4
Weight training	122.5	1.8	48.2	0.7	170.7	1.3

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories

Sport and physical activities	MALES.....		FEMALES.....		PERSONS.....	
	Number	Participation rate	Number	Participation rate	Number	Participation rate
		'000		%		'000
NEW SOUTH WALES						
Aerobics/fitness	187.5	8.2	308.8	13.2	496.3	10.7
Aquarobics	**	**	34.4	1.5	36.4	0.8
Basketball	40.5	1.8	*25.6	*1.1	66.1	1.4
Billiards/snooker/pool	90.8	4.0	41.1	1.8	131.9	2.9
Canoeing/kayaking	**	**	*21.4	*0.9	36.9	0.8
Cricket (indoor)	35.3	1.6	**	**	41.4	0.9
Cricket (outdoor)	83.3	3.7	**	**	91.6	2.0
Cycling	120.3	5.3	70.1	3.0	190.5	4.1
Dancing	**	**	*31.0	*1.3	43.1	0.9
Darts	**	**	**	**	37.6	0.8
Fishing	216.5	9.5	81.2	3.5	297.7	6.4
Golf	348.2	15.3	94.9	4.0	443.2	9.6
Gymnastics	*20.4	*0.9	*24.0	*1.0	44.5	1.0
Hockey (outdoor)	**	**	**	**	*21.8	*0.5
Horse riding	*27.6	*1.2	66.1	2.8	93.6	2.0
Ice/snow sports	59.0	2.6	40.5	1.7	99.4	2.2
Lawn bowls	97.3	4.3	41.0	1.7	138.3	3.0
Martial arts	*30.4	*1.3	37.8	1.6	68.2	1.5
Netball	**	**	79.4	3.4	96.2	2.1
Rugby League	47.1	2.1	**	**	50.5	1.1
Running	139.8	6.1	45.3	1.9	185.1	4.0
Sailing	49.7	2.2	*26.6	*1.1	76.3	1.7
Scuba diving	**	**	**	**	36.8	0.8
Soccer (outdoor)	103.2	4.5	**	**	117.5	2.5
Squash/racquetball	82.2	3.6	40.4	1.7	122.6	2.7
Surf sports	109.6	4.8	**	**	121.3	2.6
Swimming	389.8	17.1	410.3	17.5	800.0	17.3
Table tennis	**	**	**	**	32.3	0.7
Tennis	215.2	9.5	176.3	7.5	391.5	8.5
Tenpin bowling	62.4	2.7	54.0	2.3	116.4	2.5
Touch football	66.4	2.9	*29.5	*1.3	95.9	2.1
Volleyball	**	**	**	**	31.5	0.7
Walking	377.0	16.6	633.0	27.0	1 010.0	21.9
Waterskiing/powerboating	40.6	1.8	33.8	1.4	74.4	1.6
Weight training	*30.6	*1.3	**	**	34.5	0.7

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories *continued*

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>
		'000		%		'000
VICTORIA						
Aerobics/fitness	127.9	7.6	263.6	15.0	391.5	11.4
Aquarobics	**	**	28.4	1.6	32.1	0.9
Athletics/track and field	**	**	**	**	*22.2	*0.6
Australian Rules football	66.5	3.9	**	**	72.2	2.1
Badminton	**	**	**	**	*21.4	*0.6
Basketball	50.0	3.0	**	**	66.7	1.9
Billiards/snooker/pool	70.0	4.1	29.0	1.6	99.0	2.9
Cricket (indoor)	**	**	**	**	28.9	0.8
Cricket (outdoor)	87.8	5.2	**	**	95.4	2.8
Cycling	168.0	9.9	90.2	5.1	258.2	7.5
Dancing	**	**	*19.4	*1.1	*25.8	*0.7
Darts	**	**	**	**	*23.0	*0.7
Fishing	153.0	9.1	*22.8	*1.3	175.8	5.1
Golf	252.7	15.0	66.5	3.8	319.2	9.3
Gymnastics	**	**	46.6	2.7	71.0	2.1
Horse riding	*24.2	*1.4	39.5	2.2	63.7	1.8
Ice/snow sports	63.2	3.7	35.3	2.0	98.5	2.9
Lawn bowls	50.1	3.0	*21.1	*1.2	71.2	2.1
Martial arts	36.6	2.2	*15.9	*0.9	52.5	1.5
Netball	**	**	118.7	6.8	143.9	4.2
Running	112.3	6.6	60.8	3.5	173.1	5.0
Sailing	**	**	**	**	*17.4	*0.5
Soccer (outdoor)	45.3	2.7	**	**	47.9	1.4
Squash/racquetball	44.4	2.6	28.2	1.6	72.6	2.1
Surf sports	30.4	1.8	**	**	42.0	1.2
Swimming	205.3	12.2	265.8	15.1	471.1	13.7
Table tennis	28.8	1.7	**	**	29.6	0.9
Tennis	131.6	7.8	133.4	7.6	265.0	7.7
Tenpin bowling	44.7	2.6	39.4	2.2	84.1	2.4
Volleyball	*21.6	*1.3	**	**	33.4	1.0
Walking	242.5	14.4	560.1	31.9	802.6	23.3
Waterskiing/powerboating	27.1	1.6	**	**	37.9	1.1
Weight training	31.2	1.8	**	**	36.0	1.0

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories *continued*

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>
QUEENSLAND						
Aerobics/fitness	79.7	6.6	168.1	13.6	247.8	10.1
Aquarobics	**	**	22.3	1.8	22.3	0.9
Basketball	35.4	2.9	**	**	50.2	2.1
Billiards/snooker/pool	59.8	5.0	23.3	1.9	83.1	3.4
Canoeing/kayaking	**	**	**	**	19.8	0.8
Cricket (indoor)	36.0	3.0	**	**	42.8	1.8
Cricket (outdoor)	50.3	4.2	**	**	54.7	2.2
Cycling	69.7	5.8	66.7	5.4	136.4	5.6
Dancing	**	**	*12.5	*1.0	*18.7	*0.8
Darts	**	**	**	**	22.2	0.9
Fishing	172.5	14.3	63.6	5.1	236.0	9.6
Golf	206.2	17.1	68.2	5.5	274.4	11.2
Gymnastics	25.0	2.1	21.2	1.7	46.2	1.9
Horse riding	**	**	39.5	3.2	49.4	2.0
Ice/snow sports	**	**	**	**	23.4	1.0
Lawn bowls	43.1	3.6	24.2	2.0	67.3	2.8
Martial arts	23.4	1.9	*14.0	*1.1	37.3	1.5
Netball	**	**	66.9	5.4	75.3	3.1
Rugby League	23.5	1.9	**	**	23.5	1.0
Rugby Union	31.2	2.6	**	**	31.2	1.3
Running	80.4	6.7	59.0	4.8	139.4	5.7
Sailing	*14.8	*1.2	**	**	27.3	1.1
Scuba diving	**	**	**	**	24.2	1.0
Soccer (outdoor)	37.7	3.1	**	**	41.6	1.7
Squash/racquetball	51.7	4.3	32.4	2.6	84.0	3.4
Surf sports	48.9	4.1	22.4	1.8	71.3	2.9
Swimming	139.7	11.6	226.1	18.3	365.8	15.0
Table tennis	**	**	**	**	22.8	0.9
Tennis	87.9	7.3	106.6	8.6	194.5	8.0
Tenpin bowling	39.8	3.3	52.3	4.2	92.1	3.8
Touch football	48.0	4.0	23.2	1.9	71.2	2.9
Volleyball	**	**	*13.5	*1.1	31.1	1.3
Walking	162.5	13.5	370.6	29.9	533.1	21.8
Waterskiing/powerboating	29.9	2.5	**	**	43.3	1.8
Weight training	23.7	2.0	*15.3	*1.2	39.1	1.6

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories *continued*

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>
		'000		%		'000
SOUTH AUSTRALIA						
Aerobics/fitness	48.8	9.1	91.0	16.2	139.8	12.7
Aquarobics	**	**	*7.0	*1.2	*7.0	*0.6
Australian Rules football	28.0	5.2	**	**	28.0	2.5
Basketball	16.8	3.1	**	**	25.1	2.3
Billiards/snooker/pool	23.8	4.4	*7.6	*1.4	31.3	2.9
Carpet bowls	**	**	**	**	*7.2	*0.7
Cricket (indoor)	**	**	**	**	*9.1	*0.8
Cricket (outdoor)	23.4	4.4	**	**	24.0	2.2
Cycling	36.8	6.8	20.5	3.6	57.2	5.2
Dancing	**	**	*7.5	*1.3	*7.8	*0.7
Darts	12.1	2.3	**	**	16.1	1.5
Fishing	56.7	10.6	14.3	2.5	71.0	6.5
Golf	83.5	15.5	13.3	2.4	96.8	8.8
Horse riding	**	**	14.4	2.6	15.2	1.4
Lawn bowls	16.2	3.0	15.6	2.8	31.8	2.9
Martial arts	15.4	2.9	16.2	2.9	31.6	2.9
Netball	**	**	42.2	7.5	46.3	4.2
Running	30.2	5.6	15.0	2.7	45.3	4.1
Sailing	*7.4	*1.4	**	**	*9.1	*0.8
Scuba diving	**	**	**	**	10.5	1.0
Soccer (outdoor)	21.8	4.1	**	**	24.0	2.2
Squash/racquetball	13.3	2.5	**	**	20.6	1.9
Surf sports	15.4	2.9	**	**	23.7	2.2
Swimming	54.1	10.1	48.9	8.7	103.0	9.4
Table tennis	**	**	**	**	10.4	0.9
Tennis	48.0	8.9	26.2	4.7	74.2	6.8
Tenpin bowling	17.6	3.3	12.8	2.3	30.4	2.8
Volleyball	*6.2	*1.1	*8.8	*1.6	15.0	1.4
Walking	80.8	15.0	144.3	25.7	225.1	20.5
Waterskiing/powerboating	11.4	2.1	**	**	14.8	1.3
Weight training	*7.6	*1.4	**	**	10.7	1.0

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>
		'000		%		'000
WESTERN AUSTRALIA						
Aerobics/fitness	47.8	7.4	104.8	16.0	152.6	11.7
Aquarobics	**	**	*10.7	*1.6	*12.6	*1.0
Australian Rules football	35.3	5.5	**	**	37.5	2.9
Badminton	**	**	*10.2	*1.6	17.0	1.3
Basketball	24.8	3.8	*9.8	*1.5	34.6	2.7
Billiards/snooker/pool	26.0	4.0	*10.4	*1.6	36.4	2.8
Canoeing/kayaking	**	**	**	**	*8.5	*0.7
Cricket (indoor)	17.6	2.7	**	**	20.0	1.5
Cricket (outdoor)	23.0	3.6	**	**	24.6	1.9
Cycling	58.0	9.0	44.9	6.9	102.9	7.9
Dancing	**	**	*6.4	*1.0	13.3	1.0
Darts	*11.8	*1.8	*9.7	*1.5	21.5	1.7
Fishing	60.2	9.3	23.6	3.6	83.8	6.4
Golf	105.8	16.4	27.5	4.2	133.3	10.2
Gymnastics	**	**	*8.6	*1.3	17.8	1.4
Hockey (outdoor)	**	**	**	**	*13.1	*1.0
Horse riding	**	**	17.5	2.7	24.0	1.8
Lawn bowls	14.6	2.3	13.7	2.1	28.4	2.2
Martial arts	14.3	2.2	17.3	2.6	31.6	2.4
Netball	**	**	48.3	7.4	55.8	4.3
Roller sports	**	**	*9.8	*1.5	15.4	1.2
Running	55.1	8.5	23.6	3.6	78.7	6.0
Sailing	*12.0	*1.9	*12.2	*1.9	24.1	1.9
Scuba diving	19.6	3.0	**	**	29.5	2.3
Soccer (outdoor)	23.8	3.7	**	**	25.6	2.0
Softball	**	**	*8.4	*1.3	*13.1	*1.0
Squash/racquetball	26.6	4.1	14.8	2.3	41.4	3.2
Surf sports	23.1	3.6	**	**	28.2	2.2
Swimming	107.0	16.6	128.0	19.5	235.0	18.1
Table tennis	*9.9	*1.5	**	**	*13.2	*1.0
Tennis	49.3	7.6	40.2	6.1	89.5	6.9
Tenpin bowling	14.7	2.3	15.6	2.4	30.2	2.3
Volleyball	**	**	*9.7	*1.5	17.8	1.4
Walking	111.3	17.2	217.3	33.2	328.7	25.3
Waterskiing/powerboating	**	**	**	**	*9.6	*0.7
Weight training	22.5	3.5	17.3	2.6	39.8	3.1

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories *continued*

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation</i>	<i>Number</i>	<i>Participation</i>	<i>Number</i>	<i>Participation</i>
		<i>rate</i>		<i>rate</i>		<i>rate</i>
	'000	%	'000	%	'000	%
TASMANIA						
Aerobics/fitness	10.2	6.2	22.2	12.8	32.5	9.6
Aquarobics	**	**	**	**	*2.4	*0.7
Australian Rules football	7.9	4.8	**	**	8.3	2.4
Badminton	3.7	2.2	*1.9	*1.1	5.6	1.6
Basketball	4.0	2.4	**	**	5.2	1.5
Billiards/snooker/pool	5.9	3.6	*2.3	*1.3	8.2	2.4
Carpet bowls	**	**	*2.1	*1.2	*2.8	*0.8
Cricket (indoor)	**	**	**	**	4.0	1.2
Cricket (outdoor)	7.9	4.8	**	**	9.0	2.6
Cycling	10.9	6.6	5.0	2.9	15.9	4.7
Dancing	**	**	*2.8	*1.6	*3.3	*1.0
Darts	*2.4	*1.5	**	**	3.7	1.1
Fishing	22.9	13.8	4.1	2.4	27.0	7.9
Golf	29.8	18.0	6.4	3.7	36.3	10.7
Hockey (outdoor)	**	**	**	**	*2.7	*0.8
Horse riding	**	**	3.9	2.2	5.2	1.5
Ice/snow sports	**	**	**	**	*3.1	*0.9
Lawn bowls	5.7	3.5	*2.3	*1.3	8.1	2.4
Martial arts	*3.1	*1.9	*3.1	*1.8	6.3	1.8
Netball	**	**	7.4	4.2	9.5	2.8
Running	9.9	6.0	4.4	2.5	14.3	4.2
Sailing	*2.5	*1.5	**	**	4.2	1.2
Scuba diving	*1.9	*1.1	**	**	*2.4	*0.7
Shooting sports	*3.0	*1.8	**	**	*3.0	*0.9
Squash/racquetball	5.0	3.0	**	**	6.5	1.9
Surf sports	*3.2	*1.9	**	**	*3.2	*0.9
Swimming	17.4	10.5	28.9	16.6	46.3	13.6
Table tennis	*3.5	*2.1	**	**	4.1	1.2
Tennis	7.2	4.4	7.9	4.5	15.1	4.4
Tenpin bowling	*2.6	*1.5	*3.6	*2.1	6.2	1.8
Volleyball	**	**	**	**	*3.3	*1.0
Walking	34.3	20.7	53.9	31.0	88.2	25.9
Waterskiing/powerboating	**	**	**	**	*3.5	*1.0
Weight training	*2.7	*1.6	**	**	3.7	1.1

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories *continued*

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>
		'000		%		'000
NORTHERN TERRITORY						
Aerobics/fitness	3.5	6.6	7.8	15.8	11.2	11.0
Australian Rules football	2.5	4.8	**	**	2.5	2.5
Basketball	**	**	**	**	*1.5	*1.5
Billiards/snooker/pool	*1.1	*2.0	**	**	*1.4	*1.4
Cricket (indoor)	2.2	4.2	**	**	2.6	2.6
Cycling	3.8	7.1	4.4	8.9	8.1	8.0
Fishing	6.8	13.0	2.5	5.1	9.3	9.2
Golf	5.1	9.7	*1.1	*2.3	6.3	6.1
Horse riding	**	**	**	**	*1.4	*1.4
Martial arts	**	**	**	**	*1.7	*1.7
Netball	**	**	2.2	4.5	2.9	2.8
Rugby Union	*1.9	*3.6	**	**	2.0	2.0
Running	*1.8	*3.4	*1.3	*2.7	3.1	3.0
Shooting sports	*1.6	*3.0	**	**	*1.9	*1.9
Soccer (outdoor)	**	**	**	**	*2.0	*1.9
Squash/racquetball	*1.2	*2.2	**	**	*1.9	*1.8
Swimming	4.4	8.4	8.6	17.4	13.0	12.8
Tennis	2.9	5.5	*1.3	*2.6	4.2	4.1
Tenpin bowling	**	**	*1.5	*3.1	2.1	2.1
Touch football	*1.4	*2.6	**	**	2.1	2.0
Volleyball	2.2	4.1	*2.0	*4.0	4.1	4.1
Walking	7.1	13.5	12.8	26.1	19.9	19.6
Weight training	*1.6	*3.1	**	**	2.5	2.5

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PARTICIPANTS, Selected Sport and Physical Activities—States and Territories *continued*

<i>Sport and physical activities</i>	MALES.....		FEMALES.....		PERSONS.....	
	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>	<i>Number</i>	<i>Participation rate</i>
		'000		%		'000
.....						
AUSTRALIAN CAPITAL TERRITORY						
Aerobics/fitness	13.6	12.9	27.8	24.7	41.4	19.0
Aquarobics	**	**	3.2	2.9	3.6	1.7
Badminton	**	**	**	**	*1.7	*0.8
Basketball	3.5	3.3	*1.3	*1.2	4.8	2.2
Billiards/snooker/pool	6.7	6.4	4.0	3.6	10.8	4.9
Canoeing/kayaking	**	**	**	**	*1.9	*0.9
Cricket (indoor)	3.9	3.7	**	**	4.5	2.0
Cricket (outdoor)	4.0	3.8	**	**	4.5	2.1
Cycling	14.9	14.1	11.6	10.3	26.4	12.1
Dancing	**	**	*1.5	*1.3	*2.1	*0.9
Darts	*2.2	*2.1	**	**	2.6	1.2
Fishing	11.1	10.5	3.2	2.8	14.3	6.6
Golf	17.2	16.4	4.5	4.0	21.8	10.0
Gymnastics	**	**	**	**	*1.3	*0.6
Hockey (outdoor)	**	**	**	**	2.7	1.2
Horse riding	**	**	3.3	3.0	5.0	2.3
Ice/snow sports	5.2	4.9	4.7	4.2	9.9	4.6
Lawn bowls	*2.0	*1.9	**	**	2.8	1.3
Martial arts	*2.2	*2.1	*2.5	*2.3	4.7	2.2
Netball	*1.7	*1.6	6.9	6.2	8.7	4.0
Roller sports	**	**	**	**	2.7	1.2
Rugby Union	*2.5	*2.4	**	**	*2.5	*1.2
Running	8.6	8.2	6.4	5.7	15.0	6.9
Sailing	**	**	*1.7	*1.5	*2.4	*1.1
Scuba diving	*1.5	*1.4	**	**	2.7	1.2
Soccer (indoor)	*2.1	*2.0	**	**	*2.5	*1.2
Soccer (outdoor)	5.1	4.9	**	**	6.4	2.9
Squash/racquetball	5.1	4.9	*1.9	*1.7	7.0	3.2
Surf sports	3.4	3.3	**	**	4.2	1.9
Swimming	20.0	19.1	26.7	23.8	46.8	21.5
Table tennis	*2.4	*2.3	**	**	3.5	1.6
Tennis	11.1	10.5	6.5	5.7	17.5	8.1
Tenpin bowling	5.2	4.9	4.8	4.3	10.0	4.6
Touch football	4.2	4.0	*2.3	*2.0	6.4	2.9
Volleyball	*2.2	*2.0	*2.4	*2.1	4.5	2.1
Walking	26.3	25.0	43.8	39.0	70.1	32.2
Waterskiing/powerboating	*2.1	*2.0	*1.3	*1.2	3.4	1.6
Weight training	2.7	2.5	*1.8	*1.6	4.5	2.1

	AGE GROUP (YEARS).....				Total
	18–24	25–34	35–44	45 and over	
<i>Sport and physical activities</i>	'000	'000	'000	'000	'000
Aerobics/fitness	383.3	480.2	297.8	351.7	1 512.9
Air sports	**	21.3	**	**	45.6
Aquarobics	21.1	25.1	20.4	50.4	116.9
Archery	**	*11.4	*8.6	**	36.2
Athletics/track and field	30.5	*12.0	**	**	57.9
Australian Rules football	68.7	66.1	20.3	**	157.4
Badminton	*19.0	*18.2	*15.5	24.1	76.9
Baseball	**	*14.3	**	**	44.7
Basketball	142.5	74.1	31.9	*5.6	254.1
Billiards/snooker/pool	159.6	108.1	64.8	69.5	402.1
Boxing	**	*19.3	**	**	43.6
Canoeing/kayaking	*9.0	36.8	22.0	*15.6	83.4
Carpet bowls	**	**	**	33.7	37.5
Cricket (indoor)	48.0	79.5	*18.2	**	153.3
Cricket (outdoor)	104.6	127.5	61.2	*11.1	304.4
Cycling	165.0	256.3	201.4	173.0	795.8
Dancing	*14.3	*13.1	19.8	67.7	114.9
Darts	29.7	32.0	35.5	30.3	127.5
Fishing	128.5	263.0	221.2	302.3	915.0
Golf	169.7	329.3	273.7	558.4	1 331.2
Gymnastics	57.8	58.1	44.6	24.4	184.8
Hockey (outdoor)	*18.8	22.3	*10.6	*13.3	64.9
Horse riding	54.9	90.1	79.7	32.8	257.5
Ice/snow sports	80.3	72.0	41.4	52.2	245.9
Lawn bowls	**	24.4	31.2	288.9	348.7
Martial arts	62.8	65.6	38.8	66.6	233.8
Motor sports	**	*13.3	*14.1	**	34.1
Netball	186.8	165.1	72.5	*14.2	438.6
Rock climbing	*19.4	*18.9	*5.3	**	46.8
Roller sports	24.7	21.1	**	**	59.9
Rowing	**	**	*6.0	**	27.0
Rugby League	38.3	35.4	**	**	81.2
Rugby Union	37.0	23.3	*5.8	**	72.3
Running	169.2	223.2	166.1	95.5	654.0
Sailing	**	40.7	39.2	72.2	161.7
Scuba diving	29.6	59.2	22.0	*19.5	130.3
Shooting sports	*17.3	*5.5	*10.6	*18.7	52.1
Soccer (indoor)	48.1	26.6	**	**	84.2
Soccer (outdoor)	91.4	98.2	57.4	20.1	267.1
Softball	*19.5	21.6	*13.0	**	58.6
Squash/racquetball	82.0	142.9	82.3	49.5	356.6
Surf sports	99.3	86.3	60.2	48.7	294.4
Swimming	406.6	604.3	491.0	579.0	2 081.0
Table tennis	29.1	26.0	27.5	33.5	116.2
Tennis	233.5	243.3	244.6	330.0	1 051.4
Tenpin bowling	92.2	102.9	94.6	81.7	371.5
Touch football	68.6	80.6	39.2	**	190.7
Volleyball	48.5	51.4	22.5	*18.5	140.8
Walking	354.3	592.7	687.0	1 443.7	3 077.7
Waterskiing/powerboating	52.9	73.9	46.3	*14.6	187.7
Weight training	48.5	59.5	34.1	28.7	170.7

PARTICIPANTS, Selected Sport and Physical Activities—Frequency(a)

	1–6 times	7–12 times	13–26 times	More than 26 times	Total
<i>Sport and physical activities</i>	'000	'000	'000	'000	'000
Aerobics/fitness	127.9	121.3	204.7	1 059.1	1 512.9
Air sports	**	**	**	21.3	45.6
Aquarobics	*14.6	24.9	27.3	50.1	116.9
Archery	*14.0	**	**	**	36.2
Athletics/track and field	*18.0	**	**	24.4	57.9
Australian Rules football	39.9	*12.8	30.1	74.6	157.4
Badminton	21.8	*12.0	*12.2	30.8	76.9
Baseball	**	**	**	*14.2	44.7
Basketball	46.5	30.2	54.9	122.5	254.1
Billiards/snooker/pool	83.7	73.0	91.5	153.9	402.1
Boxing	**	**	**	25.8	43.6
Canoeing/kayaking	45.8	*17.0	*11.7	*9.0	83.4
Carpet bowls	**	**	**	29.1	37.5
Cricket (indoor)	34.0	25.4	32.2	61.7	153.3
Cricket (outdoor)	86.7	57.5	76.1	84.2	304.4
Cycling	110.3	127.4	149.1	408.9	795.8
Dancing	**	*6.1	*10.6	92.6	114.9
Darts	*18.9	33.0	25.7	50.0	127.5
Fishing	366.7	229.8	123.5	195.0	915.0
Golf	482.1	210.1	178.4	460.6	1 331.2
Gymnastics	**	*12.5	25.1	132.0	184.8
Hockey (outdoor)	*6.0	**	23.4	29.2	64.9
Horse riding	101.5	47.8	20.3	88.0	257.5
Ice/snow sports	181.5	39.3	**	**	245.9
Lawn Bowls	74.2	*15.6	50.5	208.4	348.7
Martial arts	24.0	*14.7	32.5	162.6	233.8
Motor sports	*15.5	**	*7.8	**	34.1
Netball	65.1	63.1	103.4	206.9	438.6
Rock climbing	*14.0	*8.6	**	*10.4	46.8
Roller sports	*9.1	*11.7	*7.4	31.7	59.9
Rowing	**	**	**	*15.5	27.0
Rugby League	22.5	*14.1	30.6	*13.9	81.2
Rugby Union	**	*6.3	*18.6	43.1	72.3
Running	39.6	46.9	115.4	452.0	654.0
Sailing	78.7	29.4	22.1	31.4	161.7
Scuba diving	79.3	29.5	*13.8	*7.8	130.3
Shooting sports	22.4	*8.2	*8.7	*12.8	52.1
Soccer (indoor)	**	21.9	34.0	*16.6	84.2
Soccer (outdoor)	49.4	30.1	55.8	131.8	267.1
Softball	*11.0	**	*15.8	24.0	58.6
Squash/racquetball	94.5	63.0	58.4	140.7	356.6
Surf sports	66.2	47.8	44.4	136.0	294.4
Swimming	290.9	345.2	442.7	1 002.1	2 081.0
Table tennis	35.7	*15.0	20.9	44.6	116.2
Tennis	236.3	216.9	191.8	406.5	1 051.4
Tenpin bowling	236.1	49.9	*18.9	66.6	371.5
Touch football	23.5	29.3	56.5	81.4	190.7
Volleyball	26.1	27.3	36.5	50.9	140.8
Walking	109.6	154.9	277.8	2 535.4	3 077.7
Waterskiing/powerboating	78.8	46.3	42.0	20.5	187.7
Weight training	*8.7	*15.3	25.5	121.3	170.7

(a) During the 12 months prior to interview.

7

PARTICIPANTS, Sport and Physical Activities—Kind of participation

Age group (years)	Organised only	Non-organised only	Both organised and non-organised	All organised	All non-organised	All participation
	(A)	(B)	(C)	(A + C)	(B + C)	(A + B + C)
NUMBER ('000)						
Males						
18–24	124.5	283.5	346.4	470.9	629.9	754.4
25–34	203.0	445.3	391.7	594.7	837.0	1 040.0
35–44	167.8	418.8	300.2	468.0	719.0	886.8
45 and over	380.1	750.7	371.5	751.6	1 122.2	1 502.3
All males	875.4	1 898.3	1 409.8	2 285.2	3 308.1	4 183.5
Females						
18–24	150.4	300.7	253.7	404.1	554.4	704.8
25–34	172.4	431.4	313.4	485.8	744.8	917.2
35–44	130.9	490.8	229.2	360.2	720.1	851.0
45 and over	280.9	835.0	289.8	570.7	1 124.8	1 405.7
All females	734.7	2 058.0	1 086.1	1 820.8	3 144.1	3 878.8
Persons						
18–24	274.9	584.2	600.1	875.0	1 184.3	1 459.2
25–34	375.4	876.7	705.1	1 080.6	1 581.8	1 957.3
35–44	298.7	909.6	529.4	828.2	1 439.1	1 737.8
45 and over	661.0	1 585.7	661.3	1 322.3	2 247.0	2 908.0
All persons	1 610.1	3 956.2	2 496.0	4 106.1	6 452.2	8 062.3
PARTICIPATION RATE (%)						
Males						
18–24	13.5	30.8	37.6	51.1	68.4	81.9
25–34	14.7	32.3	28.4	43.1	60.7	75.4
35–44	11.9	29.8	21.3	33.3	51.1	63.0
45 and over	12.8	25.3	12.5	25.3	37.8	50.6
All males	13.1	28.4	21.1	34.2	49.5	62.6
Females						
18–24	16.8	33.6	28.4	45.2	62.0	78.8
25–34	12.2	30.5	22.2	34.4	52.7	64.9
35–44	9.1	34.1	15.9	25.0	50.0	59.1
45 and over	8.9	26.5	9.2	18.1	35.7	44.6
All females	10.7	29.9	15.8	26.4	45.6	56.3
Persons						
18–24	15.1	32.2	33.1	48.2	65.2	80.4
25–34	13.5	31.4	25.3	38.7	56.7	70.1
35–44	10.5	32.0	18.6	29.1	50.6	61.1
45 and over	10.8	25.9	10.8	21.6	36.7	47.5
All persons	11.9	29.1	18.4	30.3	47.5	59.4

PARTICIPANTS, Selected Sport and Physical Activities—Main kind of participation(a)

	ORGANISED PARTICIPATION...		NON-ORGANISED PARTICIPATION...		TOTAL.....	
	Number	Rate	Number	Rate	Number	Rate
<i>Sport and physical activities</i>	'000	%	'000	%	'000	%
Aerobics/fitness	733.9	5.4	779.0	5.7	1 512.9	11.1
Air sports	*19.0	*0.1	26.6	0.2	45.6	0.3
Aquarobics	72.6	0.5	44.4	0.3	116.9	0.9
Archery	27.1	0.2	*9.1	*0.1	36.2	0.3
Athletics/track and field	33.2	0.2	24.7	0.2	57.9	0.4
Australian Rules football	116.2	0.9	41.2	0.3	157.4	1.2
Badminton	28.2	0.2	48.6	0.4	76.9	0.6
Baseball	34.3	0.3	**	**	44.7	0.3
Basketball	162.5	1.2	91.7	0.7	254.1	1.9
Billiards/snooker/pool	58.3	0.4	343.8	2.5	402.1	3.0
Boxing	24.0	0.2	*19.5	*0.1	43.6	0.3
Canoeing/kayaking	20.0	0.1	63.5	0.5	83.4	0.6
Carpet bowls	35.4	0.3	**	**	37.5	0.3
Cricket (indoor)	120.4	0.9	32.8	0.2	153.3	1.1
Cricket (outdoor)	215.7	1.6	88.7	0.7	304.4	2.2
Cycling	64.0	0.5	731.8	5.4	795.8	5.9
Dancing	72.5	0.5	42.3	0.3	114.9	0.8
Darts	54.6	0.4	72.9	0.5	127.5	0.9
Fishing	56.3	0.4	858.7	6.3	915.0	6.7
Golf	589.1	4.3	742.1	5.5	1 331.2	9.8
Gymnastics	67.0	0.5	117.9	0.9	184.8	1.4
Hockey (outdoor)	64.5	0.5	**	**	64.9	0.5
Horse riding	77.8	0.6	179.7	1.3	257.5	1.9
Ice/snow sports	31.5	0.2	214.4	1.6	245.9	1.8
Lawn bowls	326.1	2.4	22.6	0.2	348.7	2.6
Martial arts	158.8	1.2	75.0	0.6	233.8	1.7
Motor sports	*18.8	*0.1	*15.4	*0.1	34.1	0.3
Netball	361.6	2.7	77.0	0.6	438.6	3.2
Rock climbing	20.3	0.1	26.5	0.2	46.8	0.3
Roller sports	**	**	53.8	0.4	59.9	0.4
Rowing	*17.5	*0.1	*9.5	*0.1	27.0	0.2
Rugby League	65.2	0.5	**	**	81.2	0.6
Rugby Union	67.1	0.5	**	**	72.3	0.5
Running	56.7	0.4	597.2	4.4	654.0	4.8
Sailing	67.1	0.5	94.6	0.7	161.7	1.2
Scuba diving	27.4	0.2	103.0	0.8	130.3	1.0
Shooting sports	42.4	0.3	*9.7	*0.1	52.1	0.4
Soccer (indoor)	57.5	0.4	26.7	0.2	84.2	0.6
Soccer (outdoor)	171.2	1.3	95.9	0.7	267.1	2.0
Softball	49.0	0.4	**	**	58.6	0.4
Squash/racquetball	127.3	0.9	229.3	1.7	356.6	2.6
Surf sports	19.8	0.1	274.6	2.0	294.4	2.2
Swimming	170.1	1.3	1 911.0	14.1	2 081.0	15.3
Table tennis	*15.1	*0.1	101.1	0.7	116.2	0.9
Tennis	415.0	3.1	636.4	4.7	1 051.4	7.7
Tenpin bowling	99.5	0.7	272.0	2.0	371.5	2.7
Touch football	175.5	1.3	*15.2	*0.1	190.7	1.4
Volleyball	100.8	0.7	40.0	0.3	140.8	1.0
Walking	119.0	0.9	2 958.7	21.8	3 077.7	22.7
Waterskiing/powerboating	*15.6	*0.1	172.0	1.3	187.7	1.4
Weight training	57.7	0.4	113.0	0.8	170.7	1.3

(a) It is possible to undertake both organised and non-organised participation for any given activity.

However, in this table, participation has been classified according to the kind of participation (i.e. organised or non-organised) in which the respondent participated most frequently.

Age group (years)	Participation as a club/association member only (A)	Participation, but not as a member of any club or association (B)	Participation as both member and non-member (C)	All participation as club/association members (A + C)	Non-member participation (B + C)	All participation (A + B + C)
NUMBER ('000)						
Males						
18–24	83.7	358.9	311.9	395.5	670.7	754.4
25–34	174.0	485.7	380.3	554.3	866.0	1 040.0
35–44	138.5	477.1	271.1	409.6	748.3	886.8
45 and over	383.4	742.2	376.7	760.1	1 118.9	1 502.3
All males	779.6	2 063.9	1 340.1	2 119.7	3 403.9	4 183.5
Females						
18–24	99.6	384.9	220.3	319.9	605.2	704.8
25–34	132.1	508.2	276.9	409.0	785.1	917.2
35–44	118.0	536.2	196.8	314.9	733.0	851.0
45 and over	237.0	892.0	276.7	513.7	1 168.7	1 405.7
All females	586.8	2 321.2	970.8	1 557.6	3 292.0	3 878.8
Persons						
18–24	183.2	743.7	532.2	715.5	1 275.9	1 459.2
25–34	306.1	993.9	657.2	963.4	1 651.1	1 957.3
35–44	256.5	1 013.3	468.0	724.5	1 481.3	1 737.8
45 and over	620.5	1 634.1	653.4	1 273.9	2 287.6	2 908.0
All persons	1 366.4	4 385.1	2 310.8	3 677.2	6 695.9	8 062.3
PARTICIPATION RATE (%)						
Males						
18–24	9.1	38.9	33.8	42.9	72.8	81.9
25–34	12.6	35.2	27.6	40.2	62.8	75.4
35–44	9.8	33.9	19.3	29.1	53.2	63.0
45 and over	12.9	25.0	12.7	25.6	37.7	50.6
All males	11.7	30.9	20.1	31.7	51.0	62.6
Females						
18–24	11.1	43.1	24.6	35.8	67.7	78.8
25–34	9.4	36.0	19.6	29.0	55.6	64.9
35–44	8.2	37.3	13.7	21.9	50.9	59.1
45 and over	7.5	28.3	8.8	16.3	37.1	44.6
All females	8.5	33.7	14.1	22.6	47.8	56.3
Persons						
18–24	10.1	41.0	29.3	39.4	70.3	80.4
25–34	11.0	35.6	23.5	34.5	59.2	70.1
35–44	9.0	35.6	16.4	25.5	52.1	61.1
45 and over	10.1	26.7	10.7	20.8	37.4	47.5
All persons	10.1	32.3	17.0	27.1	49.3	59.4

	NSW	Vic.	Qld	SA	WA	Tas.	NT(b)	ACT	Aust.
NUMBER ('000)									
Males									
1996–97	597.6	479.1	355.0	171.9	204.6	55.5	16.0	37.6	1 917.3
1997–98	680.8	489.0	372.3	171.8	228.0	60.4	19.7	41.3	2 063.3
1998–99	766.3	579.7	408.6	190.5	221.1	59.1	18.8	41.2	2 285.2
Females									
1996–97	460.2	411.2	286.0	133.2	183.3	43.5	12.8	29.2	1 559.6
1997–98	503.2	452.0	313.7	143.2	203.4	51.8	14.2	36.0	1 717.5
1998–99	558.6	460.3	349.2	155.1	197.6	47.9	14.3	37.8	1 820.8
Persons									
1996–97	1 057.8	890.4	641.0	305.1	387.9	99.0	28.8	66.8	3 476.8
1997–98	1 183.9	941.1	686.0	315.0	431.3	112.2	33.9	77.3	3 780.8
1998–99	1 324.9	1 040.0	757.8	345.6	418.6	107.0	33.1	79.1	4 106.1
PARTICIPATION RATE (%)									
Males									
1996–97	27.2	29.2	30.5	32.6	32.4	33.8	34.4	37.8	29.7
1997–98	30.4	29.5	31.3	32.3	36.0	36.3	40.6	39.9	31.4
1998–99	33.7	34.3	33.8	35.4	34.2	35.6	35.6	39.2	34.2
Females									
1996–97	20.2	24.0	24.2	24.3	29.0	25.3	29.5	26.7	23.3
1997–98	21.6	26.0	25.8	26.0	31.9	29.8	31.3	32.0	25.3
1998–99	23.8	26.2	28.2	27.7	30.2	27.6	29.2	33.7	26.4
Persons									
1996–97	23.6	26.6	27.4	28.4	30.7	29.4	32.0	32.0	26.5
1997–98	25.9	27.7	28.5	29.1	34.0	33.0	36.1	35.8	28.3
1998–99	28.7	30.2	31.0	31.5	32.2	31.5	32.5	36.3	30.3

(a) Relates to persons aged 18 years and over who participated in organised sport or physical activities during the 12 months prior to interview in the year shown.

(b) Includes predominantly urban areas only—see paragraph 3 of the Explanatory Notes.

EXPLANATORY NOTES

INTRODUCTION

1 This publication presents details of persons who participated in sport and physical activities in Australia over a 12-month period prior to interview during 1998–99, obtained through the Population Survey Monitor (PSM). Results from four quarterly surveys have been collated to produce annual estimates. Whether an activity was regarded as a sport or physical activity was left to the opinion of the respondent, with some guidance from a prompt card.

SCOPE

2 The survey covered rural and urban areas across all States and Territories of Australia. Persons aged 18 years and over who were usual residents of private dwellings were included in the survey except:

- members of the Australian permanent defence forces;
- certain diplomatic personnel of overseas governments, customarily excluded from censuses and surveys;
- overseas residents in Australia;
- members of non-Australian defence forces (and their dependants) stationed in Australia; and
- residents of other non-private dwellings such as hospitals, motels and gaols.

3 It also excluded persons living in remote and sparsely settled parts of Australia. The exclusion of these persons will only have a minor impact on any aggregate estimates that are produced for individual States and Territories, with the exception of the Northern Territory where such persons account for over 20% of the population.

COVERAGE

4 Coverage rules were applied which aimed to ensure that each person was associated with only one dwelling, and hence had only one chance of selection. See *Labour Force, Australia* (Cat. no. 6203.0) for more details.

METHODOLOGY

5 Information was obtained by personal interview with one randomly selected person aged 18 years and over from each selected household. Each quarterly survey used a multistage area sample of approximately 3,250 private dwellings, resulting in an annual total of about 13,000 persons being interviewed. In each household surveyed, details on the participation in sport and physical activities of the selected person in the 12 months prior to the interview were obtained. The information collected included both organised and non-organised activities.

DATA INTERPRETATION

6 For each sport and physical activity reported, respondents were asked whether the activity was organised by a club or association. Tables 7 and 8 show the number of people that participated in sport and physical activities organised by clubs or associations (including sporting and physical activity clubs, work social clubs, church groups etc).

7 Respondents were also asked, for each sporting/physical activity undertaken, whether they were members of a club or association whose primary focus was that activity (e.g. if they played tennis, whether they were members of a tennis club). Table 9 shows the number of participants who were members of a relevant club or association.

DATA INTERPRETATION *continued*

- 8** In interpreting the data, users should be aware that:
- an activity may have been organised by a club whose primary focus was not a sport or physical activity (e.g. the participation may have been organised by a work social club and the participant is not a member of any sporting/physical activity club in that field—such participation would be coded as 'organised' and 'not a club member');
 - an activity may have been organised by a club whose primary focus was a different sport to the activity reported (e.g. a football club may organise a tenpin bowls night—unless the participant was a member of a tenpin bowling club, such participation would be coded as 'organised' and 'not a club member');
 - some clubs organise activities that are open to non-members (e.g. an aerobics club may permit non-members to participate to increase its revenue—participation by such a non-member would be coded as 'organised' and 'not a club member'); and
 - some people join clubs so that they can use the playing facilities, rather than to play in organised matches (e.g. a social member of a tennis club—such participation would be coded as 'non-organised' and 'club member').

RELIABILITY OF THE ESTIMATES

Sampling error

- 9** The estimates provided in this publication are subject to two types of error.

10 Sampling error occurs because a sample rather than the entire population is surveyed. One measure of the likely difference resulting from not including all dwellings in the survey is given by the standard error (SE). Further information together with details of the sampling error in respect of different levels of estimate is given in Technical Note Sampling Variability.

Non-sampling error

11 Non-sampling error arises from inaccuracies in collecting, recording and processing data. These include:

- inability to obtain comprehensive data from all persons included in the sample. The errors arise because of differences which exist between the characteristics of respondents and non-respondents;
- errors in reporting on the part of both the respondent and the interviewer. These errors may arise due to the inappropriate wording of questions, misunderstanding of what data are required, inability or unwillingness to provide accurate information and answers that are based on memory. For example, participation in a sport or physical activity by persons whose involvement is infrequent may be unreliable, given that they are asked about sports and activities pursued during the previous 12 months. Respondents may fail to recall this activity or may not attribute it to the correct period; and
- errors arising during the processing of survey data. These processing errors may arise through mistakes in coding and data recording.

12 Every effort is made to minimise non-sampling errors. In particular, the effects of reporting and processing errors described above were minimised by careful questionnaire design, intensive training and supervision of interviewers, and extensive editing and quality control checking at all stages of data processing.

EXPLANATORY NOTES *continued*

COMPARISON WITH PREVIOUS DATA

13 Prior to the 1997–98 previous issue of this publication the data related primarily to organised sport and physical activities. A change to the PSM questionnaire since 1997–98 has enabled estimates combining non-organised and organised participation to be produced, resulting in significantly higher participation rates than those shown in the 1996–97 and earlier issues.

14 For the 1997–98 issue, participation in running/jogging and/or walking that was not organised by a club or association was excluded. However, this issue includes these types of activities. As a result, there has been a further significant rise in the overall participation rate for 1998–99.

15 It should also be noted that data for organised participation in the 1995–96 and 1996–97 issues covered persons 15 years and over whereas, from the 1997–98 issue, the data were limited to persons aged 18 years and over as a result of changes in data collection arrangements.

16 Care should be taken in the interpretation of movements in the estimates over time because of the differences in scope outlined in paragraphs 13–15. In order to compile the time series in table 10 of this issue, only estimates for participation in organised sport and physical activity by people aged 18 years and over have been used for each year. This eliminates variations caused by the different scope outlined in paragraphs 13–15.

17 Movements in estimates over time, including those shown in table 10, are also subject to sampling variability, with the SE of the movement dependent on the levels of the estimates from which the movement is obtained rather than the size of the movement. The Technical Note explains in detail how to calculate the SE of the movements.

REVISION OF PREVIOUS YEARS' DATA

18 Since the release of the 1997–98 issue of this publication, updated civilian population estimates, incorporating results from the 1996 Census of Population and Housing, have become available. This has resulted in revisions to participation data from 1995–96 to 1997–98 inclusive. Table 10 shows data on participation in organised sport and physical activities that incorporate these revised population estimates.

FURTHER INFORMATION

19 In addition to data in this publication, there is a range of other demographic characteristics by which participants in sport and physical activities can be cross-classified. These include occupation, industry, income, qualification, marital status and the nature of the household in which respondents live. Full details on the availability of these and other unpublished variables can be obtained by telephoning Nigel Williams on Adelaide 08 8237 7404.

ACKNOWLEDGMENT

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

RELATED PUBLICATIONS

21 Other ABS publications with sport and recreation information include:

Participation

How Australians Use Their Time, 1997 (Cat. no. 4153.0)
Involvement in Sport, Australia, 1997 (Cat. no. 6285.0)
Leisure Participation, Victoria, October 1996 (Cat. no. 4176.2)
Participation in Sporting and Physical Recreational Activities, Queensland, October 1993 (Cat. no. 4110.3)
Participation in Sporting and Physical Recreational Activities, South Australia, October 1995 (Cat. no. 4175.4)
Participation in Sporting and Physical Recreational Activities, Tasmania, October 1994 (Cat. no. 4175.6)
Population Survey Monitor, August 1999 (Cat. no. 4103.0)
Sport and Recreation, Urban Northern Territory, October 1991 (Cat. no. 4108.7)
Time Use on Culture/Leisure Activities, 1997 (Cat. no. 4173.0)

Spectators

Sports Attendance, March 1995 (Cat. no. 4174.0)

Industry

Casinos, Australia, 1997–98 (Cat. no. 8683.0)
Gambling Industries, Australia, 1997–98 (Cat. no. 8684.0)
Recreation Services, Australia, 1994–95 (Cat. no. 8688.0)
Sports Industries, Australia, 1994–95 (Cat. no. 8686.0)

Summary

Cultural Trends in Australia: A Statistical Overview, 1997 (Cat. no. 4172.0)
Sport and Recreation: A Statistical Overview, Australia, 1997 (Cat. no. 4156.0)

TECHNICAL NOTE SAMPLING VARIABILITY

STANDARD ERRORS

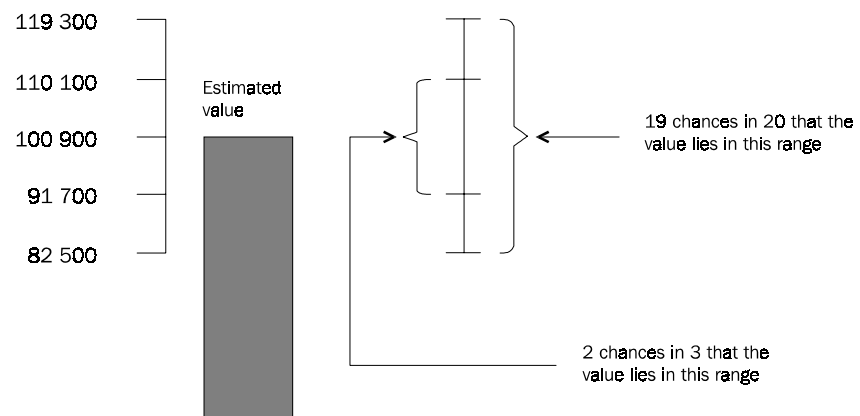
1 Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability, that is, they may differ from those that would have been produced if all dwellings had been included in the survey. One measure of the likely 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 dwellings was included. There are about 2 chances in 3 (67%) that a sample estimate will vary by less than one SE from the number that would have been obtained if all dwellings had been included, and about 19 chances in 20 (95%) that the difference will be less than two SEs.

RELATIVE STANDARD ERRORS

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. The RSE is a useful measure in that it provides an immediate indication of the percentage of errors likely to have occurred due to sampling.

3 An example of the calculation and the use of SEs in relation to estimates of persons is as follows:

From table 2 an estimated 100,900 Queenslanders aged 65 years and over participated in sport and physical activities in 1998–99. Referring to the table of SEs, table T1, an estimate of 100,900 for Queensland has a SE of approximately 9,200 persons. There are about 2 chances in 3 that the number that would have been produced if all dwellings had been included in the survey was between 110,100 and 91,700 (i.e. 100,900 plus or minus 9,200). There are about 19 chances in 20 that the number lies between 119,300 and 82,500 (i.e. 100,900 plus or minus 18,400). This example is illustrated below.



4 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. A formula to approximate the RSE of a proportion is given below:

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

RELATIVE STANDARD ERRORS *continued*

5 As an example, table 2 shows that in Victoria 2,004,900 persons aged 18 years and older participated in sport and physical activities in 1998–99. This represents 58.2% of all residents of that State in that age group (3,447,400). The SE of 2,004,900 for Victoria is about 32,300, so the RSE is $32,300/2,004,900 = 1.6\%$. The RSE of 3,447,400 is approximately $37,600/3,447,400 = 1.1\%$. Applying the above formula, the RSE of the proportion is $\sqrt{(1.6)^2 - (1.1)^2}$ or 1.2%. This then gives an SE of the proportion (58.2%) of $1.2/100 \times 58.2 = 0.7\%$. Therefore, there are about 2 chances in 3 that the proportion of persons residing in Victoria participating in sport and physical activities was between 57.5% and 58.9% and approximately 19 chances in 20 that the proportion was in the range 56.8% to 59.6%.

COMPARISONS OF ESTIMATES

6 Particular care should be taken when comparing figures. It is not correct to assume that an apparent difference between figures is actually significant. An approximate SE of the difference between two estimates (x–y) may be calculated by the following formula:

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

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

8 As the SEs in table T1 show, the size of the SE increases with the size of the estimate. However, the smaller the estimate the higher is the RSE. Thus, large estimates will be relatively more reliable than smaller estimates. Very small estimates are subject to such high SEs (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, only estimates with RSEs of 25% or less and percentages based on such estimates are considered sufficiently reliable for most purposes. However, estimates and percentages with larger RSEs have been included and are preceded by an asterisk (e.g. *2.8) to indicate that they should be treated with caution and viewed as being merely indicative of the magnitude involved. Estimates with RSEs greater than 50% (i.e. **) are not made available as they are subject to sampling error too high for most practical purposes.

TECHNICAL NOTE SAMPLING VARIABILITY *continued*

T1 STANDARD ERRORS OF ESTIMATES

Size of estimate	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
'000 persons	no.	no.	no.	no.	no.	no.	no.	no.	no.
2	1 900	1 800	1 500	1 100	1 300	600	500	500	1 600
5	3 100	2 900	2 400	1 800	2 000	1 000	800	900	2 500
10	4 300	4 100	3 400	2 500	2 800	1 400	1 100	1 200	3 500
20	5 900	5 500	4 800	3 400	3 700	1 700	1 500	1 600	4 900
50	8 700	8 100	7 000	4 957	5 500	2 300	2 300	2 200	7 600
100	11 700	10 800	9 200	6 400	7 200	2 800	3 200	2 900	10 400
200	15 300	14 300	12 200	8 300	9 400	3 300	4 400	3 600	13 900
500	21 700	19 900	17 200	11 500	13 100	4 000	—	—	20 200
800	25 800	23 700	20 400	13 500	15 500	—	—	—	24 200
1 000	27 800	25 600	21 900	14 500	16 700	—	—	—	26 500
1 500	32 300	29 600	25 500	16 700	19 400	—	—	—	30 000
2 000	35 200	32 300	27 800	18 100	21 200	—	—	—	34 100
5 000	47 500	43 300	37 700	—	—	—	—	—	47 100

T2 RELATIVE STANDARD ERRORS

Size of estimate	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
'000 persons	%	%	%	%	%	%	%	%	%
2	96.2	91.7	76.0	55.9	62.6	31.3	24.6	26.8	78.3
5	60.8	58.0	48.1	35.4	39.6	19.8	15.6	17.0	49.5
10	43.0	41.0	34.0	25.0	28.0	14.0	11.0	12.0	35.0
20	29.5	27.5	24.0	17.0	18.5	8.5	7.5	8.0	24.5
50	17.4	16.2	14.0	9.9	11.0	4.6	4.6	4.4	15.2
100	11.7	10.8	9.2	6.4	7.2	2.8	3.2	2.9	10.4
200	7.7	7.2	6.1	4.2	4.7	1.7	2.2	1.8	7.0
500	4.3	4.0	3.4	2.3	2.6	0.8	—	—	4.0
800	3.2	3.0	2.6	1.7	1.9	—	—	—	3.0
1 000	2.8	2.6	2.2	1.5	1.7	—	—	—	2.7
1 500	2.2	2.0	1.7	1.1	1.3	—	—	—	2.0
2 000	1.8	1.6	1.4	0.9	1.1	—	—	—	1.7
5 000	1.0	0.9	0.8	—	—	—	—	—	0.9

GLOSSARY

Aerobics/fitness	Includes callisthenics, gym, exercise bike, circuits.
Air sports	Includes parachuting, gliding, hang-gliding, model aircraft.
Archery	Includes bow hunting.
Basketball	Includes indoor and outdoor basketball.
Capital cities	Includes the six State capital city statistical divisions, the Darwin Statistical Division and all residents of the Australian Capital Territory.
Club or association	Includes sport and physical activity club and association, as well as work social club, church group, old scholars association.
Cycling	Includes BMX, mountain bike.
Dancing	Includes ballet, line dancing.
Employed	For the definition of employed persons, see the publication <i>Labour Force, Australia</i> (Cat. no. 6203.0).
Gymnastics	Includes trampolining.
Hockey	Excludes indoor hockey, ice hockey.
Horse riding	Includes equestrian, polocrosse.
Ice/snow sports	Includes ice hockey, ice-skating, snow skiing.
Martial arts	Includes tae kwon do, aikido, judo, karate, kickboxing.
Member	A person who pays membership fees to a sport or physical activity club or association.
Motor sports	Includes car, motor bike, speedway, drag, go-kart.
Netball	Includes indoor and outdoor netball.
Non-organised sport and physical activities	Those sport and physical activities which were not organised by a club, association or school. Persons may participate in more than one non-organised activity, and may also participate in organised activities.
Not in the labour force	For the definition of persons not in the labour force, see the publication <i>Labour Force, Australia</i> (Cat. no. 6203.0).
Organised sport and physical activities	Those sport and physical activities which were organised by a club, association or school. The club or association did not need to be a sporting body; it may have been a respondent's work social club, church group, old scholars' association, or the local gymnasium. Persons may participate in more than one organised activity, and may also participate in non-organised activities.
Participant	Includes those playing a sport or physically undertaking an activity. Excluded are persons involved solely as a coach/teacher/instructor, a referee/umpire, an administrator/committee member or similar role.
Participation rate	For any group, the number of participants expressed as a percentage of the civilian population of that group.

GLOSSARY *continued*

Rest of State	Incorporates persons usually resident in areas outside of the six State capital city statistical divisions, the Darwin Statistical Division and the Australian Capital Territory. It excludes sparsely settled areas.
Running	Includes jogging, fun-running.
Shooting	Includes pistol, hunting, paintball shooting etc.
Soccer	Excludes indoor soccer.
Sport and physical activities	Whether an activity was regarded as a sport or physical activity was left to the opinion of the respondent. However, guidance was provided by a prompt card which listed a number of suggestions under each of the following headings: <ul style="list-style-type: none">▪ fitness/health activities;▪ other leisure time physical activities;▪ ball sports;▪ racquet sports;▪ other team sports;▪ water sports;▪ other sports; and▪ any other physical activities.
Surf sports	Includes surfing, windsurfing. Excludes surf-lifesaving.
Tennis	Includes indoor and outdoor tennis.
Unemployed	For the definition of unemployed persons, see the publication <i>Labour Force, Australia</i> (Cat. no. 6203.0).
Volleyball	Includes indoor and outdoor volleyball.
Walking	Includes bushwalking, power walking.
Waterskiing/powerboating	Includes jet skiing.

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