

INVOLVEMENT IN ORGANISED SPORT AND PHYSICAL ACTIVITY

AUSTRALIA

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- For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Mike Stratton on Adelaide (08) 8237 7399.

NOTES

ABOUT THIS PUBLICATION

This publication presents results from the Survey of Involvement in Sport and Physical Activity conducted in April 2004. It presents information on the number of persons aged 15 years and over who were involved in organised sport and physical activity over a 12 month period. For persons who were involved in non-playing roles, the 2004 data is compared with data collected in similar surveys in 1993, 1997 and 2001. Data about players have not been compared across surveys due to conceptual differences between surveys (see paragraphs 21 and 22 of the Explanatory Notes).

ABOUT THIS SURVEY

The 2004 Survey of Involvement in Sport and Physical Activity was conducted throughout Australia as part of the Australian Bureau of Statistics (ABS) Monthly Population Survey (MPS).

It collected information about players and participants in organised sport and physical activity, and also about persons involved in non-playing roles, during the 12 months prior to interview in April 2004. The information included characteristics of persons involved, the amount of time spent through involvement in each role, and whether any payment was received. It also included the types of non-playing roles undertaken, whether a course or qualification had been completed for these roles, and whether any involvement was with school or junior sport.

ROUNDING

As estimates have been rounded, discrepancies may occur between sums of the component items and totals.

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ABBREVIATIONS

ABS Australian Bureau of Statistics
CAI computer assisted interviewing
LFS Labour Force Survey
MPS Monthly Population Survey
RSE relative standard error
SE standard error

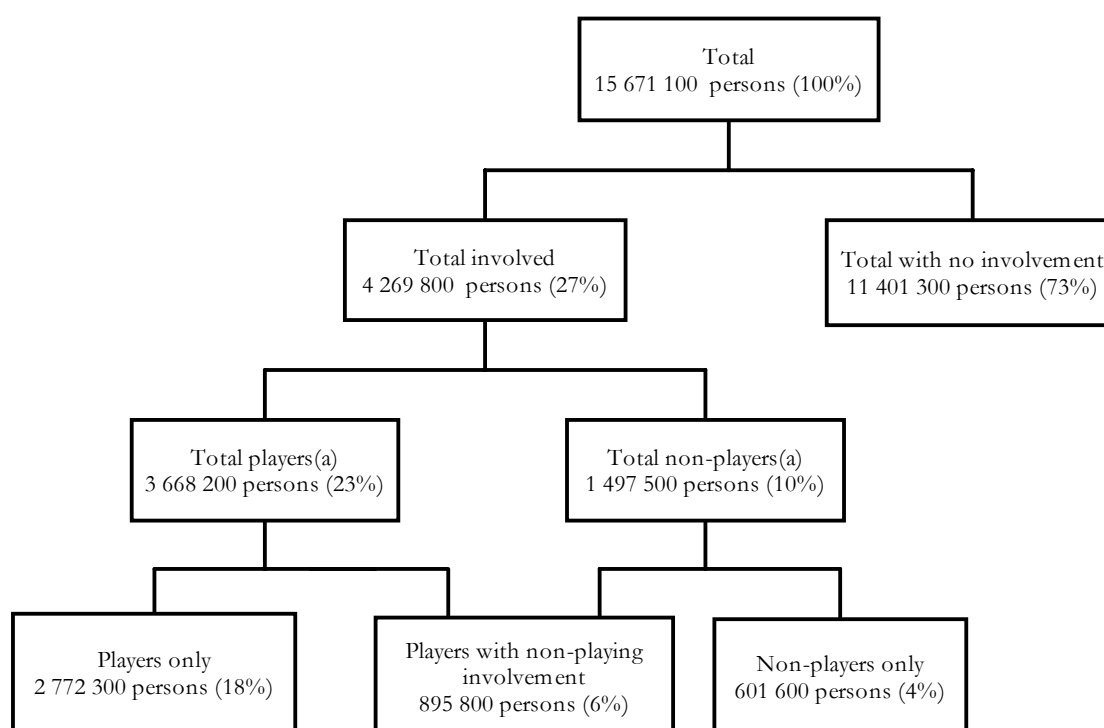
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Australian Statistician

SUMMARY OF FINDINGS

INTRODUCTION

In the 12 months prior to April 2004, an estimated 4.3 million persons aged 15 years and over reported that they were involved in organised sport and physical activity. This represents 27% of the total population. Persons involved in organised sport and physical activity included 3.7 million players (23% of persons aged 15 years and over), as well as 1.5 million persons involved in non-playing roles (10%). Non-playing roles include: coach; instructor or teacher; referee or umpire; committee member or administrator; scorer or timekeeper; medical support; or other role, and exclude persons involved only as a spectator or club member. Of the 1.5 million persons with a non-playing role, 60% also had a playing role.

Persons aged 15 years and over by playing status, 12 months ending April 2004



(a) The categories of Total players and Total non-players are not mutually exclusive, as some players also have non-playing involvement.

CHARACTERISTICS OF PERSONS INVOLVED

Sex

A higher percentage of males (31%) than females (23%) were involved in organised sport and physical activity. This was true for involvement as a player, where males had a participation rate of 27% compared with 20% for females, as well as for involvement in a non-playing role (males 11%, females 8%).

Age

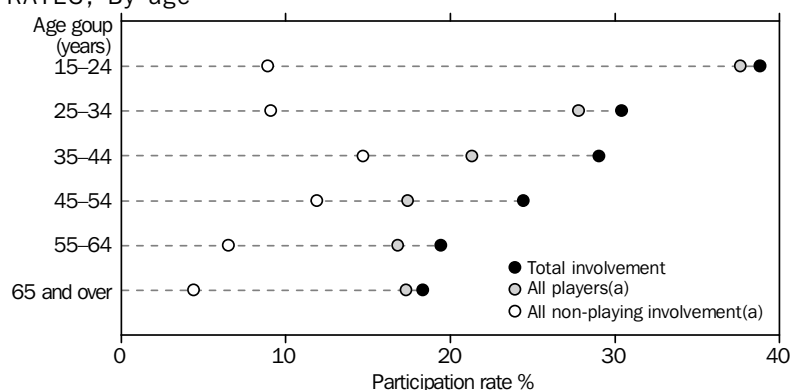
The 15 to 24 years age group had the highest rate of involvement with 39% of people participating in organised sport or physical activity. Participation rates declined progressively in older age groups, with those aged 55 to 64 years and 65 years and over having less than half the rate of the 15 to 24 years group.

SUMMARY OF FINDINGS *continued*

Age continued

While the age pattern for players was similar to that for total involvements, among non-players the peak age groups for participation were 35 to 44 years and 45 to 54 years, with non-player participation rates of 15% and 12% respectively. People in the oldest age groups had the lowest rates (6.5% for those aged 55 to 64 years and 4.4% for those aged 65 years and over).

PLAYING, NON-PLAYING AND TOTAL INVOLVEMENT PARTICIPATION RATES, By age



(a) The categories of 'All players' and 'All non-playing involvement' are not mutually exclusive, as some players also have non-playing involvement.

Country of birth

Levels of involvement in sport and physical activity varied according to country of birth. Persons born in Australia and in the main English speaking countries (see Glossary for definition) had participation rates of 31% and 27% respectively, compared with 12% involvement for those born in other countries.

An estimated 27% of Australian born persons had some involvement as players, compared with 22% of those from the main English speaking countries and 10% from other countries.

The rate of involvement as non-players was 11% for those born in Australia, slightly higher than for those born in the main English speaking countries (9%), but almost four times that of those born in other countries (3%).

Area of usual residence

The overall participation rate (30%) for persons residing outside the eight state and territory capital cities was higher than for persons residing in the capital cities (26%). This was also true for player participation where persons outside the capital cities had a participation rate of 26% compared with 22% for those in the capitals. Similarly, 12% of persons outside the capitals were involved in non-playing roles compared with 8% in the capital cities.

Labour force status

Of persons who were employed in the week prior to interview, 32% (3.0 million persons) were involved in organised sport and physical activity at some time during the 12 months prior to April 2004. Unemployed persons and those not in the labour force had participation rates of 27% (151,400 persons) and 19% (1.1 million persons) respectively.

SUMMARY OF FINDINGS *continued*

Labour force status continued

The player participation rates for employed and unemployed persons were 27% and 25% respectively, while for persons not in the labour force the rate was 18%. For non-players the rate was 12% among employed persons compared with 8% for unemployed persons and 5% for persons not in the labour force.

INVOLVEMENT IN NON-PLAYING ROLES

The success of organised sport depends not only on the players, but also on the involvement of people in non-playing roles, such as officials, administrators and other support roles. Additional information about this type of involvement in organised sport and physical activity was collected in the survey, and is presented below.

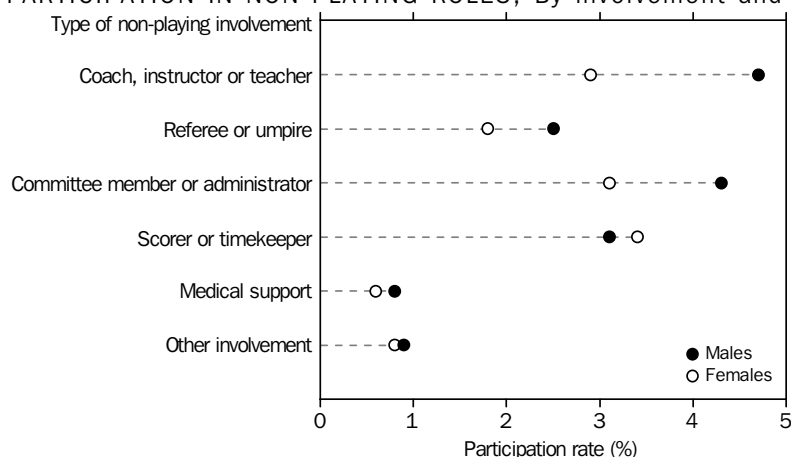
Of the 1.5 million persons with non-playing involvement

- 67% had one non-playing role
- 21% had two non-playing roles
- 12% had three or more non-playing roles.

Overall these 1.5 million persons were involved in 2.2 million different non-playing roles in the 12 months prior to April 2004.

The most common non-playing involvement for males were as a coach, instructor or teacher (4.7%) and committee member or administrator (4.3%), while for females the highest proportions were for involvement as a scorer or timekeeper (3.4%) and committee member or administrator (3.1%).

PARTICIPATION IN NON-PLAYING ROLES, By involvement and sex



Non-playing roles associated with school and junior sport

Of the 1.5 million persons involved in non-playing roles, 803,900 (54%) were associated with school or junior sport for at least some of their non-playing involvement. Of those involved as a coach, instructor or teacher, 71% had some association with school or junior sport. In contrast, only a relatively low proportion (44%) of those involved as a committee member or administrator did so in association with school or junior sport.

Qualifications for non-playing roles

Just over one third (34% or 503,200) of all persons involved in non-playing roles reported that they had completed a course or qualification relevant to their role. The highest proportion of persons with qualifications appropriate to their involvement were in a medical support role. Of the 104,500 persons involved in this role, 93% were qualified.

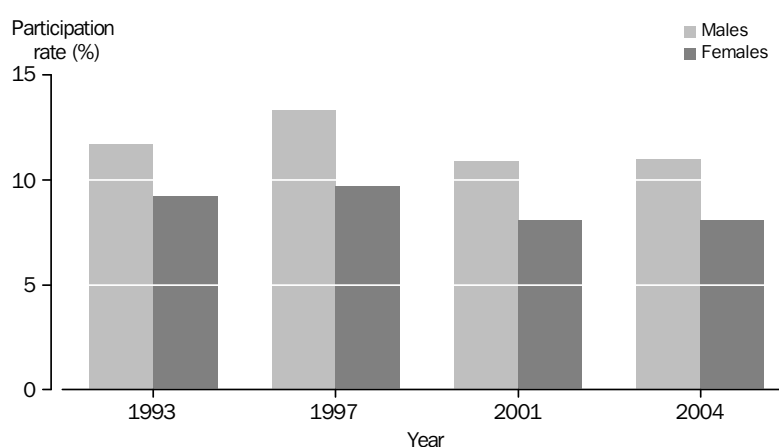
SUMMARY OF FINDINGS *continued*

Comparison of 1993, 1997, 2001 and 2004 data

In 1993, 1997 and 2001, similar surveys were conducted by the ABS. Due to some differences in the questions asked and survey methodologies, caution should be exercised when making comparisons between the surveys, however, some comparisons can be made for persons in non-playing roles. For information about the differences between the surveys, see paragraphs 16 to 26 of the Explanatory Notes.

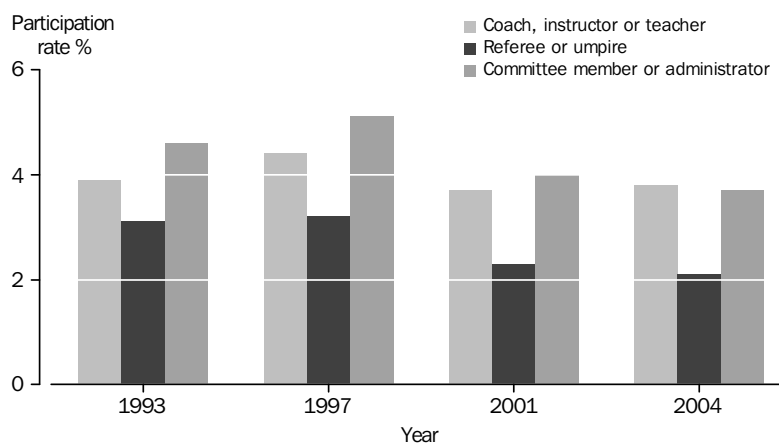
Overall, the proportion of persons aged 15 years and over involved in sport in a non-playing capacity was at a similar level in 1993, 2001 and 2004 (around 10%), however, the rate was slightly higher in 1997 at 11%. The participation rate was higher for males than females in each survey year.

PARTICIPATION IN NON-PLAYING ROLES, 1993, 1997, 2001 and 2004



For the roles that allow comparison of participation rates across the four survey years (coach, instructor or teacher; referee or umpire; and committee member or administrator, see paragraph 24 of the Explanatory Notes), the pattern is similar to overall non-playing involvement, with participation being highest in 1997.

PARTICIPATION IN SELECTED ROLES, 1993, 1997, 2001 AND 2004



PAYMENT FOR INVOLVEMENT

Of the 4.3 million persons involved in organised sport and physical activity, 7% (297,900 persons) received some type of payment for their involvement. The number of involvements for which these persons were paid totalled 354,800 indicating that a number of persons received payment for involvement in more than one type of role.

SUMMARY OF FINDINGS continued

PAYMENT FOR INVOLVEMENT continued

Of all payments made for involvement in the 12 months to April 2004, 53% (186,800 involvements) were less than \$5,000, and 8% (29,800 involvements) were \$20,000 or more.

Of the 2.2 million non-playing involvements, 12% (267,100) attracted some kind of payment. In contrast, only 2% (87,700) of the 3.7 million playing involvements attracted any payment.

Some non-playing roles were more likely to attract payment than others. For example, 23% of persons involved as a referee or umpire and 21% of those involved as a coach, instructor or teacher, received payment, compared with 4% for persons involved as a committee member or administrator and 3% for persons involved in scoring or timekeeping.

TIME INVOLVED

More than half (53%) of the involvements in organised sport and physical activity were for 26 weeks or less in the previous year, one in ten (10%) were for 27 to 39 weeks and over one third (36%) were involved throughout most of the year (between 40 and 52 weeks). These involvements may have related to more than one type of organised sport or physical activity.

Nearly half of involvements (46%) were for 3 to 9 hours per week on average. A further 45% averaged less than 3 hours per week.

PERSONS INVOLVED, SELECTED CHARACTERISTICS, By playing status and sex

	PLAYERS ONLY	PLAYERS WITH NON-PLAYING INVOLVEMENT	INVOLVED IN NON-PLAYING ROLES ONLY	ALL PLAYERS	ALL NON-PLAYING INVOLVEMENT	TOTAL PERSONS INVOLVED	PERSONS WITH NO INVOLVEMENT	TOTAL PERSONS
	(A)	(B)	(C)	(A + B)	(B + C)	(A + B + C)	(D)	(A + B + C + D)
MALES ('000)								
Age group (years)								
15 – 24	477.2	105.7	14.7	582.9	120.4	597.6	778.5	1 376.1
25 – 34	351.6	113.4	35.0	464.9	148.4	499.9	890.7	1 390.6
35 – 44	232.5	127.5	105.8	360.0	233.2	465.7	991.8	1 457.5
45 – 54	180.4	82.2	116.5	262.5	198.6	379.0	963.3	1 342.3
55 – 64	138.6	46.5	37.3	185.0	83.8	222.4	816.6	1 039.0
65 and over	172.0	48.4	17.1	220.3	65.5	237.4	865.7	1 103.2
Labour force status								
Employed full-time	933.1	352.1	255.4	1 285.1	607.5	1 540.6	3 054.3	4 594.9
Employed part-time	198.6	62.4	29.4	260.9	91.8	290.4	459.4	749.8
Total employed	1 131.6	414.4	284.9	1 546.0	699.3	1 830.9	3 513.7	5 344.6
Unemployed	65.0	*12.8	*9.3	77.8	22.1	87.1	209.6	296.7
Not in the labour force	355.5	96.3	32.1	451.8	128.4	483.9	1 583.4	2 067.3
Area of usual residence								
Capital city	959.8	273.8	205.8	1 233.6	479.6	1 439.4	3 351.3	4 790.6
Balance of state/territory	592.4	249.7	120.6	842.1	370.2	962.6	1 955.4	2 918.0
Country of birth								
Australia	1 239.9	451.9	257.7	1 691.8	709.7	1 949.5	3 611.6	5 561.1
Overseas	312.3	71.6	68.6	383.8	140.2	452.5	1 695.1	2 147.5
Main English speaking countries	154.0	50.1	38.4	204.2	88.5	242.6	562.3	804.8
Other than main English speaking countries	158.2	21.4	30.2	179.7	51.7	209.9	1 132.8	1 342.7
Total	1 552.2	523.5	326.3	2 075.7	849.8	2 402.0	5 306.7	7 708.6
MALES PARTICIPATION RATE (%) (a)								
Age group (years)								
15 – 24	34.7	7.7	1.1	42.4	8.7	43.4	56.6	100.0
25 – 34	25.3	8.2	2.5	33.4	10.7	35.9	64.1	100.0
35 – 44	16.0	8.7	7.3	24.7	16.0	32.0	68.0	100.0
45 – 54	13.4	6.1	8.7	19.6	14.8	28.2	71.8	100.0
55 – 64	13.3	4.5	3.6	17.8	8.1	21.4	78.6	100.0
65 and over	15.6	4.4	1.6	20.0	5.9	21.5	78.5	100.0
Labour force status								
Employed full-time	20.3	7.7	5.6	28.0	13.2	33.5	66.5	100.0
Employed part-time	26.5	8.3	3.9	34.8	12.2	38.7	61.3	100.0
Total employed	21.2	7.8	5.3	28.9	13.1	34.3	65.7	100.0
Unemployed	21.9	*4.3	*3.2	26.2	7.4	29.4	70.6	100.0
Not in the labour force	17.2	4.7	1.6	21.9	6.2	23.4	76.6	100.0
Area of usual residence								
Capital city	20.0	5.7	4.3	25.7	10.0	30.0	70.0	100.0
Balance of state/territory	20.3	8.6	4.1	28.9	12.7	33.0	67.0	100.0
Country of birth								
Australia	22.3	8.1	4.6	30.4	12.8	35.1	64.9	100.0
Overseas	14.5	3.3	3.2	17.9	6.5	21.1	78.9	100.0
Main English speaking countries	19.1	6.2	4.8	25.4	11.0	30.1	69.9	100.0
Other than main English speaking countries	11.8	1.6	2.3	13.4	3.8	15.6	84.4	100.0
Total	20.1	6.8	4.2	26.9	11.0	31.2	68.8	100.0
* estimate has a relative standard error of 25% to 50% and should be used with caution (a) The number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.								

PERSONS INVOLVED, SELECTED CHARACTERISTICS, By playing status and sex *continued*

	PLAYERS ONLY	PLAYERS WITH NON-PLAYING INVOLVEMENT	INVOLVED IN NON-PLAYING ROLES ONLY	ALL PLAYERS	ALL NON-PLAYING INVOLVEMENT	TOTAL PERSONS INVOLVED	PERSONS WITH NO INVOLVEMENT	TOTAL PERSONS
	(A)	(B)	(C)	(A + B)	(B + C)	(A + B + C)	(D)	(A + B + C + D)
FEMALES ('000)								
Ages group (years)								
15 – 24	333.9	104.5	17.9	438.5	122.5	456.4	884.6	1 341.0
25 – 34	247.9	71.1	37.8	319.0	108.8	356.8	1 068.6	1 425.4
35 – 44	189.2	79.1	121.8	268.4	200.9	390.1	1 105.1	1 495.2
45 – 54	157.3	52.4	72.8	209.6	125.2	282.4	1 087.5	1 369.9
55 – 64	127.4	34.2	16.0	161.6	50.2	177.6	847.7	1 025.3
65 and over	164.5	31.1	9.0	195.6	40.1	204.6	1 101.1	1 305.7
Labour force status								
Employed full-time	401.2	128.0	102.2	529.3	230.2	631.5	1 656.1	2 287.6
Employed part-time	350.6	131.7	100.7	482.3	232.4	583.0	1 367.0	1 950.0
Total employed	751.8	259.8	202.9	1 011.6	462.7	1 214.5	3 023.1	4 237.6
Unemployed	44.1	15.1	*5.1	59.1	20.2	64.2	193.0	257.3
Not in the labour force	424.3	97.5	67.3	521.8	164.8	589.1	2 878.5	3 467.6
Area of usual residence								
Capital city	746.8	173.1	150.8	920.0	324.0	1 070.8	3 926.1	4 996.9
Balance of state/territory	473.4	199.2	124.5	672.6	323.7	797.1	2 168.6	2 965.6
Country of birth								
Australia	990.6	332.0	226.6	1 322.6	558.6	1 549.2	4 164.4	5 713.6
Overseas	229.6	40.4	48.7	269.9	89.1	318.6	1 930.3	2 248.9
Main English speaking countries	136.2	25.3	30.5	161.5	55.8	192.0	633.6	825.6
Other than main English speaking countries	93.4	15.0	18.2	108.4	33.3	126.6	1 296.7	1 423.3
Total	1 220.2	372.4	275.3	1 592.5	647.7	1 867.8	6 094.7	7 962.5
FEMALES PARTICIPATION RATE (%) (a)								
Age group (years)								
15 – 24	24.9	7.8	1.3	32.7	9.1	34.0	66.0	100.0
25 – 34	17.4	5.0	2.7	22.4	7.6	25.0	75.0	100.0
35 – 44	12.7	5.3	8.1	17.9	13.4	26.1	73.9	100.0
45 – 54	11.5	3.8	5.3	15.3	9.1	20.6	79.4	100.0
55 – 64	12.4	3.3	1.6	15.8	4.9	17.3	82.7	100.0
65 and over	12.6	2.4	*0.7	15.0	3.1	15.7	84.3	100.0
Labour force status								
Employed full-time	17.5	5.6	4.5	23.1	10.1	27.6	72.4	100.0
Employed part-time	18.0	6.8	5.2	24.7	11.9	29.9	70.1	100.0
Total employed	17.7	6.1	4.8	23.9	10.9	28.7	71.3	100.0
Unemployed	17.1	5.9	*2.0	23.0	7.8	25.0	75.0	100.0
Not in the labour force	12.2	2.8	1.9	15.0	4.8	17.0	83.0	100.0
Area of usual residence								
Capital city	14.9	3.5	3.0	18.4	6.5	21.4	78.6	100.0
Balance of state/territory	16.0	6.7	4.2	22.7	10.9	26.9	73.1	100.0
Country of birth								
Australia	17.3	5.8	4.0	23.1	9.8	27.1	72.9	100.0
Overseas	10.2	1.8	2.2	12.0	4.0	14.2	85.8	100.0
Main English speaking countries	16.5	3.1	3.7	19.6	6.8	23.3	76.7	100.0
Other than main English speaking countries	6.6	1.1	1.3	7.6	2.3	8.9	91.1	100.0
Total	15.3	4.7	3.5	20.0	8.1	23.5	76.5	100.0

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

(a) The number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

PERSONS INVOLVED, SELECTED CHARACTERISTICS, By playing status and sex *continued*

	PLAYERS ONLY	PLAYERS WITH NON-PLAYING INVOLVEMENT	INVOLVED IN NON-PLAYING ROLES ONLY	ALL PLAYERS	ALL NON-PLAYING INVOLVEMENT	TOTAL PERSONS INVOLVED	PERSONS WITH NO INVOLVEMENT	TOTAL PERSONS
	(A)	(B)	(C)	(A + B)	(B + C)	(A + B + C)	(D)	(A + B + C + D)
PERSONS ('000)								
Age group (years)								
15 – 24	811.1	210.2	32.6	1 021.4	242.8	1 054.0	1 663.1	2 717.1
25 – 34	599.5	184.4	72.8	783.9	257.2	856.7	1 959.3	2 816.0
35 – 44	421.7	206.6	227.5	628.3	434.1	855.8	2 096.9	2 952.7
45 – 54	337.6	134.5	189.3	472.1	323.8	661.4	2 050.8	2 712.3
55 – 64	266.0	80.6	53.3	346.6	134.0	399.9	1 664.3	2 064.3
65 and over	336.4	79.4	26.1	415.9	105.6	442.0	1 966.9	2 408.9
Labour force status								
Employed full-time	1 334.3	480.1	357.7	1 814.4	837.8	2 172.1	4 710.4	6 882.4
Employed part-time	549.2	194.1	130.1	743.2	324.2	873.4	1 826.5	2 699.8
Total employed	1 883.5	674.2	487.8	2 557.6	1 162.0	3 045.4	6 536.8	9 582.2
Unemployed	109.1	27.8	14.4	136.9	42.3	151.4	402.6	554.0
Not in the labour force	779.8	193.8	99.4	973.6	293.2	1 073.0	4 461.9	5 534.9
Area of usual residence								
Capital city	1 706.6	447.0	356.6	2 153.5	803.6	2 510.2	7 277.3	9 787.5
Balance of state/territory	1 065.8	448.9	245.0	1 514.7	693.9	1 759.7	4 124.0	5 883.7
Country of birth								
Australia	2 230.5	783.9	484.4	3 014.4	1 268.3	3 498.8	7 775.9	11 274.7
Overseas	541.8	111.9	117.3	653.8	229.2	771.1	3 625.4	4 396.4
Main English speaking countries	290.2	75.5	68.8	365.7	144.3	434.6	1 195.8	1 630.4
Other than main English speaking countries	251.6	36.5	48.4	288.1	84.9	336.5	2 429.5	2 766.1
Total	2 772.3	895.8	601.6	3 668.2	1 497.5	4 269.8	11 401.3	15 671.1

PERSONS PARTICIPATION RATE (%) (a)

Age group (years)								
15 – 24	29.9	7.7	1.2	37.6	8.9	38.8	61.2	100.0
25 – 34	21.3	6.5	2.6	27.8	9.1	30.4	69.6	100.0
35 – 44	14.3	7.0	7.7	21.3	14.7	29.0	71.0	100.0
45 – 54	12.4	5.0	7.0	17.4	11.9	24.4	75.6	100.0
55 – 64	12.9	3.9	2.6	16.8	6.5	19.4	80.6	100.0
65 and over	14.0	3.3	1.1	17.3	4.4	18.3	81.7	100.0
Labour force status								
Employed full-time	19.4	7.0	5.2	26.4	12.2	31.6	68.4	100.0
Employed part-time	20.3	7.2	4.8	27.5	12.0	32.3	67.7	100.0
Total employed	19.7	7.0	5.1	26.7	12.1	31.8	68.2	100.0
Unemployed	19.7	5.0	2.6	24.7	7.6	27.3	72.7	100.0
Not in the labour force	14.1	3.5	1.8	17.6	5.3	19.4	80.6	100.0
Area of usual residence								
Capital city	17.4	4.6	3.6	22.0	8.2	25.6	74.4	100.0
Balance of state/territory	18.1	7.6	4.2	25.7	11.8	29.9	70.1	100.0
Country of birth								
Australia	19.8	7.0	4.3	26.7	11.2	31.0	69.0	100.0
Overseas	12.3	2.5	2.7	14.9	5.2	17.5	82.5	100.0
Main English speaking countries	17.8	4.6	4.2	22.4	8.9	26.7	73.3	100.0
Other than main English speaking countries	9.1	1.3	1.8	10.4	3.1	12.2	87.8	100.0
Total	17.7	5.7	3.8	23.4	9.6	27.2	72.8	100.0

(a) The number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

PERSONS INVOLVED, PAYMENT STATUS, By state or territory, player status and sex

	PLAYERS ONLY	PLAYERS WITH NON-PLAYING INVOLVEMENT(a)	INVOLVED IN NON-PLAYING ROLES ONLY	ALL PLAYERS(a)	ALL NON-PLAYING INVOLVEMENT(a)	TOTAL PERSONS INVOLVED	Participation rate(b)
	(A)	(B)	(C)	(A + B)	(B + C)	(A + B + C)	
	'000	'000	'000	'000	'000	'000	%
MALES							
Some paid involvement							
New South Wales	*11.8	25.1	*13.0	36.8	38.1	49.8	1.9
Victoria	*10.7	28.0	*12.7	38.7	40.6	51.4	2.7
Queensland	*6.2	14.8	*9.2	21.0	24.0	30.2	2.0
South Australia	*3.6	*7.3	*4.1	10.8	11.4	14.9	2.5
Western Australia	*2.9	12.0	*3.4	14.9	15.4	18.3	2.4
Tasmania	np	np	np	6.0	*3.5	6.8	3.7
Northern Territory(c)	np	np	np	**1.1	**0.8	**1.1	2.1
Australian Capital Territory	np	np	np	5.3	4.9	6.0	5.0
<i>Australia</i>	39.8	94.9	43.8	134.7	138.7	178.5	2.3
Unpaid involvement only							
New South Wales	497.9	137.1	91.7	635.0	228.8	726.7	28.0
Victoria	382.7	104.3	82.0	487.0	186.3	569.0	29.6
Queensland	298.2	59.2	48.4	357.3	107.6	405.7	27.5
South Australia	113.3	41.4	26.4	154.7	67.8	181.1	30.2
Western Australia	154.5	61.5	17.4	215.9	78.9	233.4	30.5
Tasmania	np	np	np	46.6	24.0	56.6	30.7
Northern Territory(c)	np	np	np	13.9	*4.3	14.7	27.6
Australian Capital Territory	np	np	np	30.4	13.4	36.1	30.1
<i>Australia</i>	1 512.4	428.6	282.6	1 940.9	711.1	2 223.5	28.8
Total involvement							
New South Wales	509.7	162.1	104.7	671.8	266.9	776.6	29.9
Victoria	393.4	132.3	94.7	525.7	227.0	620.4	32.3
Queensland	304.3	74.0	57.6	378.3	131.6	435.9	29.6
South Australia	116.9	48.7	30.5	165.5	79.2	196.0	32.7
Western Australia	157.4	73.4	20.8	230.8	94.3	251.6	32.9
Tasmania	35.9	16.8	10.8	52.7	27.6	63.4	34.4
Northern Territory(c)	10.7	*4.3	**0.8	15.1	*5.1	15.9	29.8
Australian Capital Territory	23.8	11.9	6.4	35.7	18.3	42.1	35.1
Australia	1 552.2	523.5	326.3	2 075.7	849.8	2 402.0	31.2

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

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

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) For players with non-playing involvement, all players and all non-playing involvements 'some paid involvement' includes persons who were paid for their non-playing and/or their playing role. For further information refer to paragraph 15 of the Explanatory Notes.

(b) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

(c) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

	PLAYERS ONLY	PLAYERS WITH NON-PLAYING INVOLVEMENT(a)	INVOLVED IN NON-PLAYING ROLES ONLY	ALL PLAYERS(a)	ALL NON-PLAYING INVOLVEMENT(a)	TOTAL PERSONS INVOLVED	Participation rate(b)
	(A)	(B)	(C)	(A + B)	(B + C)	(A + B + C)	
	'000	'000	'000	'000	'000	'000	%
FEMALES							
Some paid involvement							
New South Wales	**4.1	*18.4	*16.6	22.4	35.0	39.0	1.5
Victoria	*4.0	21.6	*8.5	25.5	30.1	34.0	1.7
Queensland	**1.4	*3.4	*12.2	*4.8	15.7	17.1	1.1
South Australia	—	*7.1	*5.2	*7.1	12.3	12.3	2.0
Western Australia	**0.8	*8.1	*2.9	*9.0	11.0	11.8	1.5
Tasmania	np	np	np	*1.8	*1.9	*2.2	1.1
Northern Territory(c)	np	np	np	**0.3	**0.3	**0.3	0.6
Australian Capital Territory	np	np	np	*1.8	*2.5	*2.7	2.1
<i>Australia</i>	<i>*10.7</i>	<i>62.1</i>	<i>46.6</i>	<i>72.8</i>	<i>108.7</i>	<i>119.4</i>	<i>1.5</i>
Unpaid involvement only							
New South Wales	385.1	80.3	68.8	465.4	149.1	534.2	19.9
Victoria	288.6	85.3	63.6	373.9	148.9	437.5	21.8
Queensland	247.5	58.0	32.8	305.5	90.9	338.4	22.4
South Australia	79.7	30.7	25.9	110.4	56.5	136.2	22.0
Western Australia	137.7	36.9	25.5	174.6	62.4	200.1	25.8
Tasmania	np	np	np	42.2	15.8	48.5	25.2
Northern Territory(c)	np	np	np	16.4	5.3	17.9	34.1
Australian Capital Territory	np	np	np	31.4	10.1	35.6	27.8
<i>Australia</i>	<i>1 209.4</i>	<i>310.3</i>	<i>228.7</i>	<i>1 519.7</i>	<i>539.0</i>	<i>1 748.4</i>	<i>22.0</i>
Total involvement							
New South Wales	389.2	98.6	85.5	487.8	184.1	573.3	21.4
Victoria	292.6	106.9	72.1	399.5	179.0	471.6	23.5
Queensland	248.9	61.4	45.1	310.4	106.5	355.5	23.6
South Australia	79.7	37.8	31.0	117.5	68.8	148.5	24.0
Western Australia	138.5	45.0	28.3	183.6	73.3	211.9	27.3
Tasmania	33.0	11.0	6.6	44.0	17.7	50.6	26.3
Northern Territory(c)	12.6	*4.1	*1.5	16.7	5.6	18.2	34.7
Australian Capital Territory	25.7	7.5	5.2	33.2	12.6	38.3	30.0
Australia	1 220.2	372.4	275.3	1 592.5	647.7	1 867.8	23.5

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

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

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) For players with non-playing involvement, all players and all non-playing involvements 'some paid involvement' includes persons who were paid for their non-playing and/or their playing role. For further information refer to paragraph 15 of the Explanatory Notes.

(b) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

(c) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

	PLAYERS ONLY	PLAYERS WITH NON-PLAYING INVOLVEMENT(a)	INVOLVED IN NON-PLAYING ROLES ONLY	ALL PLAYERS(a)	ALL NON-PLAYING INVOLVEMENT(a)	TOTAL PERSONS INVOLVED	Participation rate(b)
	(A)	(B)	(C)	(A + B)	(B + C)	(A + B + C)	
	'000	'000	'000	'000	'000	'000	%
PERSONS							
Some paid involvement							
New South Wales	*15.8	43.4	29.6	59.3	73.0	88.9	1.7
Victoria	*14.7	49.5	21.2	64.2	70.7	85.4	2.2
Queensland	*7.6	18.3	21.4	25.8	39.7	47.2	1.6
South Australia	*3.6	14.4	9.3	17.9	23.6	27.2	2.2
Western Australia	*3.7	20.1	*6.3	23.8	26.4	30.1	2.0
Tasmania	*3.5	*4.4	*1.1	7.9	5.5	9.0	2.4
Northern Territory(c)	**0.3	**1.1	—	*1.4	**1.1	*1.4	1.3
Australian Capital Territory	*1.3	5.9	*1.6	7.1	7.4	8.7	3.5
Australia	50.5	157.0	90.4	207.5	247.4	297.9	1.9
Unpaid involvement only							
New South Wales	883.0	217.3	160.6	1 100.4	377.9	1 261.0	23.9
Victoria	671.3	189.7	145.6	861.0	335.3	1 006.6	25.6
Queensland	545.7	117.2	81.3	662.9	198.4	744.1	24.9
South Australia	193.0	72.1	52.3	265.1	124.3	317.4	26.1
Western Australia	292.2	98.3	42.9	390.5	141.2	433.4	28.1
Tasmania	65.3	23.5	16.3	88.8	39.8	105.1	27.9
Northern Territory(c)	23.0	7.3	*2.3	30.3	9.7	32.6	30.8
Australian Capital Territory	48.3	13.5	10.0	61.7	23.5	71.8	29.0
Australia	2 721.8	738.8	511.3	3 460.7	1 250.1	3 971.9	25.3
Total involvement							
New South Wales	898.9	260.8	190.2	1 159.6	451.0	1 349.8	25.6
Victoria	686.0	239.2	166.8	925.2	406.0	1 092.0	27.8
Queensland	553.3	135.4	102.6	688.7	238.1	791.4	26.5
South Australia	196.6	86.5	61.5	283.0	148.0	344.6	28.3
Western Australia	295.9	118.4	49.2	414.4	167.6	463.5	30.1
Tasmania	68.9	27.8	17.4	96.7	45.2	114.1	30.3
Northern Territory(c)	23.3	8.4	*2.3	31.7	10.7	34.0	32.1
Australian Capital Territory	49.5	19.3	11.6	68.9	30.9	80.5	32.5
Australia	2 772.3	895.8	601.6	3 668.2	1 497.5	4 269.8	27.2

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

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

— nil or rounded to zero (including null cells)

(a) For players with non-playing involvement, all players and all non-playing involvements 'some paid involvement' includes persons who were paid for their non-playing and/or their playing role. For further information refer to paragraph 15 of the Explanatory Notes.

(b) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

(c) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

PERSONS INVOLVED, By number of roles and playing status

	<i>Total persons involved</i>	<i>Participation rate(a)</i>
	'000	%
MALES		
Playing	2 075.7	26.9
Non-playing roles		
1 role	583.4	7.6
2 roles	174.3	2.3
3 roles	54.7	0.7
4 roles	28.5	0.4
5 or more roles	*8.9	*0.1
Total with non-playing roles	849.8	11.0
Total(b)	2 402.0	31.2
FEMALES		
Playing	1 592.5	20.0
Non-playing roles		
1 role	422.4	5.3
2 roles	139.6	1.8
3 roles	55.2	0.7
4 roles	24.9	0.3
5 or more roles	*5.5	*0.1
Total with non-playing roles	647.7	8.1
Total(b)	1 867.8	23.5
PERSONS		
Playing	3 668.2	23.4
Non-playing roles		
1 role	1 005.9	6.4
2 roles	313.9	2.0
3 roles	110.0	0.7
4 roles	53.4	0.3
5 or more roles	14.4	0.1
Total with non-playing roles	1 497.5	9.6
Total(b)	4 269.8	27.2

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

(a) The number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

(b) Components do not add to totals as some persons were involved in both playing and non-playing roles.

PERSONS WITH NON-PLAYING INVOLVEMENT, By selected characteristics and payment status

	Some paid involvement(a)	Unpaid involvement only	Total persons	Some paid involvement participation rate(b)	Unpaid involvement only participation rate(b)	Total involvement participation rate(b)
	'000	'000	'000	%	%	%
Sex						
Males	138.7	711.1	849.8	1.8	9.2	11.0
Females	108.7	539.0	647.7	1.4	6.8	8.1
State or territory of usual residence						
New South Wales	73.0	377.9	451.0	1.4	7.2	8.6
Victoria	70.7	335.3	406.0	1.8	8.5	10.3
Queensland	39.7	198.4	238.1	1.3	6.7	8.0
South Australia	23.6	124.3	148.0	1.9	10.2	12.1
Western Australia	26.4	141.2	167.6	1.7	9.2	10.9
Tasmania	5.5	39.8	45.2	1.4	10.6	12.0
Northern Territory(c)	**1.1	9.7	10.7	*1.0	9.1	10.1
Australian Capital Territory	7.4	23.5	30.9	3.0	9.5	12.5
Age group (years)						
15-24	74.9	167.9	242.8	2.8	6.2	8.9
25-34	46.8	210.5	257.2	1.7	7.5	9.1
35-44	49.3	384.8	434.1	1.7	13.0	14.7
45-54	53.8	270.0	323.8	2.0	10.0	11.9
55-64	15.5	118.5	134.0	0.7	5.7	6.5
65 and over	*7.2	98.4	105.6	*0.3	4.1	4.4
Labour force status						
Employed full-time	147.1	690.7	837.8	2.1	10.0	12.2
Employed part-time	62.2	262.0	324.2	2.3	9.7	12.0
Total employed	209.3	952.7	1 162.0	2.2	9.9	12.1
Unemployed	*7.8	34.5	42.3	*1.4	6.2	7.6
Not in the labour force	30.3	262.9	293.2	0.5	4.8	5.3
Area of usual residence						
Capital city	144.9	658.7	803.6	1.5	6.7	8.2
Balance of state/territory	102.5	591.4	693.9	1.7	10.1	11.8
Country of birth						
Australia	214.5	1 053.8	1 268.3	1.9	9.3	11.2
Overseas	32.9	196.3	229.2	0.7	4.5	5.2
Main English speaking countries	21.1	123.2	144.3	1.3	7.6	8.9
Other than main English speaking countries	*11.8	73.2	84.9	*0.4	2.6	3.1
Total	247.4	1 250.1	1 497.5	1.6	8.0	9.6

* estimate has a relative standard error of 25% to 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) 'Some paid involvement' may include some persons who were paid for their playing role only. For further information refer to paragraph 15 of the Explanatory Notes.

(b) The number of persons involved in organised sport and physical activity expressed as a percentage of the population in the same group.

(c) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

INVOLVEMENTS, By role, payment status and state or territory

	Some paid involvement	Unpaid involvement only	Total involvements	Participation rate(a)
	'000	'000	'000	%
NEW SOUTH WALES				
Playing	29.6	1 130.1	1 159.6	22.0
Non-playing involvement				
Coach, instructor or teacher	27.4	150.9	178.3	3.4
Referee or umpire	24.7	82.4	107.0	2.0
Committee member or administrator	*8.6	161.8	170.4	3.2
Scorer or timekeeper	*7.8	136.5	144.3	2.7
Medical support	*5.1	31.4	36.5	0.7
Other involvement	**3.9	45.7	49.5	0.9
Total non-playing involvements(b)	77.4	608.7	686.1	. .
Total involvements(b)	107.0	1 738.8	1 845.8	. .
Total persons with involvement(b)	88.9	1 261.0	1 349.8	25.6
VICTORIA				
Playing	27.2	898.0	925.2	23.6
Non-playing involvement				
Coach, instructor or teacher	35.1	127.3	162.5	4.1
Referee or umpire	22.4	58.2	80.7	2.1
Committee member or administrator	*3.8	147.9	151.7	3.9
Scorer or timekeeper	*4.1	149.1	153.2	3.9
Medical support	*4.1	20.6	24.6	0.6
Other involvement	*3.3	20.7	24.0	0.6
Total non-playing involvements(b)	72.8	523.9	596.7	. .
Total involvements(b)	100.0	1 421.9	1 521.9	. .
Total persons with involvement(b)	85.4	1 006.6	1 092.0	27.8
QUEENSLAND				
Playing	*9.8	678.9	688.7	23.1
Non-playing involvement				
Coach, instructor or teacher	25.2	74.0	99.2	3.3
Referee or umpire	*11.7	38.7	50.4	1.7
Committee member or administrator	*3.9	82.6	86.4	2.9
Scorer or timekeeper	*3.6	77.1	80.6	2.7
Medical support	**2.0	*11.3	*13.3	0.4
Other involvement	**1.5	14.3	15.8	0.5
Total non-playing involvements(b)	47.8	297.9	345.7	. .
Total involvements(b)	57.6	976.9	1 034.4	. .
Total persons with involvement(b)	47.2	744.1	791.4	26.5

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

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

. . not applicable

(a) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population of the same group.

(b) The total number of involvements are greater than the corresponding total number of persons. For further information refer to paragraph 14 of the Explanatory Notes.

INVOLVEMENTS, By role, payment status and state or territory *continued*

	Some paid involvement	Unpaid involvement only	Total involvements	Participation rate(a)
	'000	'000	'000	%
SOUTH AUSTRALIA				
Playing	*6.8	276.3	283.0	23.2
Non-playing involvement				
Coach, instructor or teacher	13.2	41.4	54.6	4.5
Referee or umpire	*6.2	24.4	30.6	2.5
Committee member or administrator	*2.8	60.2	63.0	5.2
Scorer or timekeeper	**0.7	48.1	48.8	4.0
Medical support	**1.1	10.7	11.8	1.0
Other involvement	*1.9	13.6	15.4	1.3
Total non-playing involvements(b)	25.8	198.4	224.2	. .
Total involvements(b)	32.6	474.7	507.3	. .
Total persons with involvement(b)	27.2	317.4	344.6	28.3
WESTERN AUSTRALIA				
Playing	*6.9	407.5	414.4	26.9
Non-playing involvement				
Coach, instructor or teacher	14.2	50.7	64.9	4.2
Referee or umpire	*10.0	36.0	46.0	3.0
Committee member or administrator	**1.1	68.8	69.9	4.5
Scorer or timekeeper	—	59.5	59.5	3.9
Medical support	**1.3	*10.5	11.8	0.8
Other involvement	*2.9	14.1	17.0	1.1
Total non-playing involvements(b)	29.5	239.6	269.1	. .
Total involvements(b)	36.4	647.0	683.5	. .
Total persons with involvement(b)	30.1	433.4	463.5	30.1
TASMANIA				
Playing	*4.8	91.9	96.7	25.7
Non-playing involvement				
Coach, instructor or teacher	*2.6	13.4	16.0	4.2
Referee or umpire	*2.2	8.6	10.7	2.8
Committee member or administrator	**0.6	16.0	16.6	4.4
Scorer or timekeeper	**0.1	13.6	13.7	3.6
Medical support	—	*3.1	*3.1	0.8
Other involvement	0.1	*3.4	*3.5	0.9
Total non-playing involvements(b)	5.6	58.0	63.6	. .
Total involvements(b)	10.4	149.9	160.3	. .
Total persons with involvement(b)	9.0	105.1	114.1	30.3

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

. . not applicable

— nil or rounded to zero (including null cells)

(a) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population of the same group.

(b) The total number of involvements are greater than the corresponding total number of persons. For further information refer to paragraph 14 of the Explanatory Notes.

INVOLVEMENTS, By role, payment status and state or territory *continued*

	Some paid involvement	Unpaid involvement only	Total involvements	Participation rate(a)
	'000	'000	'000	%
.....				
NORTHERN TERRITORY				
Playing	**1.1	30.6	31.7	30.0
Non-playing involvement				
Coach, instructor or teacher	**0.3	*4.5	4.7	4.5
Referee or umpire	—	*2.8	2.8	2.6
Committee member or administrator	—	*3.7	3.7	3.5
Scorer or timekeeper	—	*5.0	5.0	4.7
Medical support	—	*1.4	1.4	1.4
Other involvement	—	**0.4	0.4	0.4
Total non-playing involvements(b)	*0.3	17.8	18.1	. .
Total involvements(b)	1.4	48.4	49.8	. .
Total persons with involvement(b)	**1.4	32.6	34.0	32.2
.....				
AUSTRALIAN CAPITAL TERRITORY				
Playing	*1.6	67.2	68.9	27.8
Non-playing involvement				
Coach, instructor or teacher	*4.0	10.2	14.2	5.7
Referee or umpire	*1.5	5.7	7.2	2.9
Committee member or administrator	**0.9	11.8	12.7	5.1
Scorer or timekeeper	**0.4	7.4	7.9	3.2
Medical support	**0.5	*1.4	*1.9	0.8
Other involvement	**0.5	*1.7	*2.2	0.9
Total non-playing involvements(b)	7.8	38.3	46.1	. .
Total involvements(b)	9.5	105.5	115.0	. .
Total persons with involvement(b)	8.7	71.8	80.5	32.4
.....				
AUSTRALIA				
Playing	87.7	3 580.5	3 668.2	23.4
Non-playing involvement				
Coach, instructor or teacher	122.1	472.3	594.5	3.8
Referee or umpire	78.6	256.8	335.4	2.1
Committee member or administrator	21.6	552.8	574.4	3.7
Scorer or timekeeper	16.7	496.3	513.0	3.3
Medical support	14.1	90.4	104.5	0.7
Other involvement	14.0	113.9	127.9	0.8
Total non-playing involvements(b)	267.1	1 982.6	2 249.6	. .
Total involvements(b)	354.8	5 563.0	5 917.8	. .
Total persons with involvement(b)	297.9	3 971.9	4 269.8	27.2

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

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

. . not applicable

— nil or rounded to zero (including null cells)

(a) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population of the same group.

(b) The total number of involvements are greater than the corresponding total number of persons. For further information refer to paragraph 14 of the Explanatory Notes.

PAID INVOLVEMENTS, By role and payment amount

	<i>Payment in goods and services only</i>	<i>Less than \$5,000(a)</i>	<i>\$5,000 to \$19,999(a)</i>	<i>\$20,000 or more(a)</i>	<i>Total paid involvements(b)</i>
	'000	'000	'000	'000	'000
Playing	41.4	37.3	*3.5	**2.0	87.7
Non-playing involvement					
Coach, instructor or teacher	*12.5	63.6	15.6	18.1	122.1
Referee or umpire	*12.1	59.7	*3.7	**1.5	78.6
Committee member or administrator	*8.4	*4.7	**0.9	*5.4	21.6
Scorer or timekeeper	*4.1	*6.6	—	**1.3	16.7
Medical support	**1.7	*8.4	**2.5	**0.8	14.1
Other involvement	*3.6	*6.5	**1.6	**0.7	14.0
<i>Total non-playing involvements</i>	42.4	149.5	24.3	27.8	267.1
Total involvements	83.9	186.8	27.8	29.8	354.8

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

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

— nil or rounded to zero (including null cells)

(a) Goods and services payments may also have been received.

(b) Includes involvements where the person did not state the amount of payment received or expected.

INVOLVEMENTS, By role, sex and number of weeks

	1 to 13 weeks	14 to 26 weeks	27 to 39 weeks	40 to 52 weeks	Total involvements	Participation rate(a)
	'000	'000	'000	'000	'000	%
MALES						
Playing	447.9	536.2	217.9	873.6	2 075.7	26.9
Non-playing involvement						
Coach, instructor or teacher	115.1	123.8	33.6	92.5	365.1	4.7
Referee or umpire	77.2	62.2	16.2	38.7	194.2	2.5
Committee member or administrator	81.3	73.1	38.4	135.7	328.6	4.3
Scorer or timekeeper	125.0	62.8	20.4	34.2	242.4	3.1
Medical support	18.2	18.6	*4.4	16.7	57.9	0.8
Other involvement	31.1	13.9	*10.3	*11.9	67.2	0.9
Total non-playing involvements	448.0	354.4	123.3	329.7	1 255.3	. .
Total involvements	895.9	890.6	341.2	1 203.3	3 331.0	. .
FEMALES						
Playing	386.6	335.9	193.5	676.6	1 592.5	20.0
Non-playing involvement						
Coach, instructor or teacher	71.5	72.8	17.1	68.0	229.4	2.9
Referee or umpire	69.5	35.9	*11.4	24.3	141.2	1.8
Committee member or administrator	73.5	51.7	17.0	103.6	245.8	3.1
Scorer or timekeeper	146.1	61.0	18.7	44.8	270.6	3.4
Medical support	19.7	*9.0	**1.7	16.2	46.6	0.6
Other involvement	34.0	13.9	*5.3	*7.5	60.7	0.8
Total non-playing involvements	414.3	244.4	71.2	264.5	994.3	. .
Total involvements	800.8	580.3	264.7	941.0	2 586.8	. .
PERSONS						
Playing	834.5	872.1	411.4	1 550.2	3 668.2	23.4
Non-playing involvements						
Coach, instructor or teacher	186.6	196.6	50.7	160.6	594.5	3.8
Referee or umpire	146.7	98.1	27.6	63.0	335.4	2.1
Committee member or administrator	154.8	124.9	55.4	239.3	574.4	3.7
Scorer or timekeeper	271.1	123.8	39.1	79.0	513.0	3.3
Medical support	38.0	27.6	*6.0	32.9	104.5	0.7
Other involvement	65.1	27.8	15.6	19.4	127.9	0.8
Total non-playing involvements	862.2	598.8	194.5	594.1	2 249.6	. .
Total involvements	1 696.7	1 470.9	605.9	2 144.3	5 917.8	. .

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

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

. . not applicable

(a) The total number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

INVOLVEMENTS, By role, sex, and number of hours per week(a)

	<i>Less than 3 hours</i>	<i>3 to 9 hours</i>	<i>10 to 19 hours</i>	<i>20 hours or more</i>	<i>Total involvements</i>	<i>Participation rate(b)</i>
	'000	'000	'000	'000	'000	%
MALES						
Playing	597.4	1 247.9	197.0	33.4	2 075.7	26.9
Non-playing involvement						
Coach, instructor or teacher	140.1	174.0	40.3	*10.7	365.1	4.7
Referee or umpire	125.7	55.5	*11.3	**1.7	194.2	2.5
Committee member or administrator	190.4	104.3	28.8	*5.0	328.6	4.3
Scorer or timekeeper	172.1	63.1	*5.6	**1.6	242.4	3.1
Medical support	29.6	21.7	*4.0	**2.5	57.9	0.8
Other involvement	30.6	23.9	*7.8	*4.9	67.2	0.9
<i>Total non-playing involvements</i>	688.5	442.5	97.9	26.4	1 255.3	. .
<i>Total involvements</i>	1 285.9	1 690.4	294.9	59.8	3 331.0	. .
FEMALES						
Playing	771.5	717.3	84.5	19.2	1 592.5	20.0
Non-playing involvement						
Coach, instructor or teacher	108.2	94.8	15.8	*10.6	229.4	2.9
Referee or umpire	97.9	38.8	*3.8	**0.8	141.2	1.8
Committee member or administrator	130.6	96.2	14.6	*4.4	245.8	3.1
Scorer or timekeeper	207.8	60.4	**2.0	**0.4	270.6	3.4
Medical support	28.5	14.4	**1.5	**2.3	46.6	0.6
Other involvement	32.2	21.7	*4.8	**2.0	60.7	0.8
<i>Total non-playing involvements</i>	605.3	326.3	42.3	20.4	994.3	. .
<i>Total involvements</i>	1 376.8	1 043.5	126.8	39.6	2 586.8	. .
PERSONS						
Playing	1 368.9	1 965.2	281.5	52.6	3 668.2	23.4
Non-playing involvement						
Coach, instructor or teacher	248.3	268.8	56.0	21.3	594.5	3.8
Referee or umpire	223.6	94.2	15.1	**2.5	335.4	2.1
Committee member or administrator	321.0	200.5	43.4	*9.5	574.4	3.7
Scorer or timekeeper	379.9	123.5	*7.6	**1.9	513.0	3.3
Medical support	58.1	36.1	*5.5	*4.9	104.5	0.7
Other involvement	62.9	45.6	*12.6	*6.8	127.9	0.8
<i>Total non-playing involvements</i>	1 293.8	768.7	140.3	46.8	2 249.6	. .
Total involvements	2 662.7	2 733.9	421.8	99.5	5 917.8	. .

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

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

. . not applicable

(a) During the weeks when involved.

(b) The number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

PERSONS WITH NON-PLAYING INVOLVEMENT, By role, sex and qualifications(a)

	WITH A QUALIFICATION		TOTAL PERSONS INVOLVED
	'000	%	'000
MALES			
Coach, instructor or teacher	197.1	54.0	365.1
Referee or umpire	107.8	55.5	194.2
Committee member or administrator	96.7	29.4	328.6
Scorer or timekeeper	76.7	31.7	242.4
Medical support	55.5	95.8	57.9
Other involvement	21.9	32.6	67.2
Total(b)	294.5	34.6	849.8
FEMALES			
Coach, instructor or teacher	130.9	57.1	229.4
Referee or umpire	82.1	58.1	141.2
Committee member or administrator	75.5	30.7	245.8
Scorer or timekeeper	68.6	25.3	270.6
Medical support	41.3	88.5	46.6
Other involvement	*10.8	*17.8	60.7
Total(b)	208.7	32.2	647.7
PERSONS			
Coach, instructor or teacher	328.0	55.2	594.5
Referee or umpire	189.9	56.6	335.4
Committee member or administrator	172.1	30.0	574.4
Scorer or timekeeper	145.3	28.3	513.0
Medical support	96.7	92.6	104.5
Other involvement	32.7	25.6	127.9
Total(b)	503.2	33.6	1 497.5

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

(a) Qualifications are limited to a completed course or qualification that is relevant to the role being undertaken.

(b) Components may not add to totals as some persons may have had qualifications and/or involvement in more than one role.

	SCHOOL OR JUNIOR SPORT(a)		TOTAL PERSONS INVOLVED
	'000	%	'000
.....			
MALES			
Coach, instructor or teacher	255.7	70.0	365.1
Referee or umpire	123.3	63.5	194.2
Committee member or administrator	138.0	42.0	328.6
Scorer or timekeeper	141.6	58.4	242.4
Medical support	40.2	69.4	57.9
Other involvement	35.6	53.0	67.2
<i>Total(b)</i>	439.6	51.7	849.8
.....			
FEMALES			
Coach, instructor or teacher	166.0	72.4	229.4
Referee or umpire	92.3	65.3	141.2
Committee member or administrator	115.8	47.1	245.8
Scorer or timekeeper	180.4	66.7	270.6
Medical support	34.7	74.5	46.6
Other involvement	34.4	56.6	60.7
<i>Total(b)</i>	364.3	56.3	647.7
.....			
PERSONS			
Coach, instructor or teacher	421.7	70.9	594.5
Referee or umpire	215.6	64.3	335.4
Committee member or administrator	253.8	44.2	574.4
Scorer or timekeeper	322.0	62.8	513.0
Medical support	74.9	71.7	104.5
Other involvement	70.0	54.7	127.9
Total(b)	803.9	53.7	1 497.5

(a) Persons may also have had involvement not related to junior or school sport.

(b) Components may not add to totals as some persons may have had junior or school involvement in more than one role.

	NUMBER				PARTICIPATION RATE(b)			
	1993	1997	2001	2004	1993	1997	2001	2004
	'000	'000	'000	'000	%	%	%	%
MALES								
State or territory of usual residence								
New South Wales	225.0	281.2	224.8	266.9	9.8	11.7	(c)9.0	(c)10.3
Victoria	195.2	249.6	197.8	227.0	11.4	14.1	(c)10.6	(c)11.8
Queensland	140.0	164.0	156.2	131.6	(d)11.9	(d)(e)12.6	(e)11.4	8.9
South Australia	81.0	97.7	82.6	79.2	14.2	16.9	(c)14.2	(c)13.2
Western Australia	95.6	96.5	95.2	94.3	(d)14.7	(d)(e)14.0	(e)(c)13.0	(c)12.3
Tasmania	25.5	29.4	28.7	27.6	(d)14.6	(d)(e)16.2	(e)(c)16.2	(c)14.9
Northern Territory(f)	9.7	9.4	*4.2	*5.1	(d)16.7	(d)18.2	*(c)7.3	*(c)9.6
Australian Capital Territory	17.4	19.6	16.2	18.3	(d)15.4	(d)(e)17.0	(e)(c)14.1	(c)15.2
Age group (years)								
15 – 24	139.7	197.9	135.7	120.4	10.1	14.7	(c)10.1	(c)8.7
25 – 34	177.4	184.4	163.3	148.4	(d)12.6	(d)(e)13.1	(e)(c)11.5	(c)10.7
35 – 44	242.4	269.0	224.2	233.2	(d)18.2	(d)19.4	(c)15.5	(c)16.0
45 – 54	139.6	171.2	170.9	198.6	(d)13.3	(d)(e)14.3	(e)(c)13.1	(c)14.8
55 – 64	56.4	65.4	62.5	83.8	(d)7.7	(d)(e)8.3	(e)(c)7.0	(c)8.1
65 and over	33.9	59.6	49.1	65.5	4.1	(e)6.1	(e)(c)4.9	(c)5.9
Labour force status								
Employed full-time	592.2	679.4	575.9	607.5	14.8	16.0	(c)13.1	(c)13.2
Employed part-time	57.2	91.5	91.1	91.8	12.5	15.9	(c)13.1	(c)12.2
Total employed	649.4	770.9	667.1	699.3	14.5	16.0	(c)13.1	(c)13.1
Unemployed	47.7	46.7	35.4	22.1	(d)8.0	(d)(e)9.8	(e)(c)9.7	(c)7.4
Not in the labour force	92.2	130.0	103.2	128.4	5.5	7.2	(c)5.3	(c)6.2
Area of usual residence								
Capital city	429.8	516.2	428.1	479.6	10.0	11.8	(c)9.2	(c)10.0
Balance of state/territory	359.6	431.3	377.6	370.2	14.7	15.8	(c)13.7	(c)12.7
Country of birth								
Australia	659.4	775.6	669.0	709.7	13.5	15.1	(c)12.6	(c)12.8
Overseas	130.0	172.0	136.7	140.2	(d)7.0	(d)8.8	(c)6.5	(c)6.5
Main English speaking countries	81.2	98.8	91.5	88.5	10.7	(e)12.7	(c)10.7	(c)11.0
Other than main English speaking countries	48.8	73.2	45.2	51.7	(d)4.4	(d)6.2	(c)3.6	(c)3.8
Total	789.4	947.6	805.7	849.8	11.7	13.3	(c)10.9	(c)11.0

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

(a) See paragraphs 16 to 26 in the Explanatory Notes for information on difference between the surveys.

(b) The number of persons involved in non-playing roles, expressed as a percentage of the population in the same group.

(c) Difference between the 2001 and 2004 proportion is not statistically significant. See Technical Note.

(d) Difference between the 1993 and 1997 proportion is not statistically significant. See Technical Note.

(e) Difference between the 1997 and 2001 proportion is not statistically significant. See Technical Note.

(f) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

	NUMBER				PARTICIPATION RATE(b)			
	1993	1997	2001	2004	1993	1997	2001	2004
	'000	'000	'000	'000	%	%	%	%
FEMALES								
State or territory of usual residence								
New South Wales	169.1	201.6	182.8	184.1	7.3	(c)8.1	(c)(d)7.1	(d)6.9
Victoria	164.0	177.7	155.6	179.0	(e)9.3	(e)9.6	(d)8.1	(d)8.9
Queensland	111.7	123.1	103.9	106.5	(e)9.4	9.3	(d)7.4	(d)7.1
South Australia	67.2	81.2	56.0	68.8	11.5	13.6	(d)9.3	(d)11.1
Western Australia	76.0	81.8	76.5	73.3	(e)11.7	(e)(c)11.8	(c)(d)10.4	(d)9.4
Tasmania	19.9	20.7	20.4	17.7	(e)11.1	(e)(c)11.0	(c)(d)11.0	(d)9.2
Northern Territory(f)	7.0	6.7	5.1	*5.6	(e)12.7	(e)(c)13.3	(c)(d)9.5	* (d)10.7
Australian Capital Territory	15.4	15.5	14.2	*12.6	(e)13.4	(e)(c)13.0	(c)(d)11.7	* (d)9.9
Age group (years)								
15 – 24	132.6	168.0	104.6	122.5	9.9	12.9	(d)8.1	(d)9.1
25 – 34	158.8	131.6	121.4	108.8	11.3	(c)9.2	(c)(d)8.4	(d)7.6
35 – 44	207.8	221.9	212.8	200.9	(e)15.6	(e)(c)15.7	(c)(d)14.5	(d)13.4
45 – 54	80.0	109.7	109.2	125.2	8.0	(c)9.4	(c)(d)8.4	(d)9.1
55 – 64	25.9	41.6	40.0	50.2	3.6	(c)5.4	(c)(d)4.6	(d)4.9
65 and over	25.3	35.5	26.5	40.1	(e)2.4	(e)(c)2.8	(c)(d)2.2	(d)3.1
Labour force status								
Employed full-time	215.5	241.3	209.0	230.2	(e)11.3	(e)11.8	(d)9.7	(d)10.1
Employed part-time	208.6	241.2	242.9	232.4	(e)15.2	(e)15.0	(d)13.0	(d)11.9
Total employed	424.1	482.4	451.9	462.7	(e)12.9	(e)13.2	(d)11.2	(d)10.9
Unemployed	39.6	32.5	24.6	20.2	(e)10.0	(e)(c)9.1	(c)(d)8.7	(d)7.8
Not in the labour force	166.7	193.4	138.0	164.8	5.2	5.8	(d)4.2	(d)4.8
Area of usual residence								
Capital city	343.1	359.5	332.3	324.0	(e)7.7	(e)7.8	(d)6.9	(d)6.5
Balance of state/territory	287.2	348.8	282.2	323.7	(e)11.9	(e)12.7	(d)10.1	(d)10.9
Country of birth								
Australia	549.6	617.3	528.7	558.6	10.9	11.5	(d)9.6	(d)9.8
Overseas	80.8	91.0	85.8	89.1	(e)4.4	(c)4.7	(c)(d)4.1	(d)4.0
Main English speaking countries	55.9	66.0	55.7	55.8	(e)7.5	(c)8.6	(c)(d)7.0	(d)6.8
Other than main English speaking countries	24.9	25.0	30.1	33.3	(e)2.3	(c)2.1	(c)(d)2.3	(d)2.3
Total	630.4	708.3	614.5	647.7	9.2	9.7	(d)8.1	(d)8.1

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

(a) See paragraphs 16 to 26 in the Explanatory Notes for information on difference between the surveys.

(b) The number of persons involved in non-playing roles, expressed as a percentage of the population in the same group.

(c) Difference between the 1997 and 2001 proportion is not statistically significant. See Technical Note.

(d) Difference between the 2001 and 2004 proportion is not statistically significant. See Technical Note.

(e) Difference between the 1993 and 1997 proportion is not statistically significant. See Technical Note.

(f) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

	NUMBER				PARTICIPATION RATE(b)			
	1993	1997	2001	2004	1993	1997	2001	2004
	'000	'000	'000	'000	%	%	%	%
PERSONS								
State or Territory of usual residence								
New South Wales	394.1	482.8	407.6	451.0	8.5	9.8	(c)8.0	(c)8.6
Victoria	359.2	427.3	353.4	406.0	10.3	11.8	(c)9.3	(c)10.3
Queensland	251.7	287.1	260.1	238.1	(d)10.7	(d)10.9	9.4	8.0
South Australia	148.3	178.9	138.7	148.0	12.9	15.2	(c)11.7	(c)12.1
Western Australia	171.5	178.4	171.6	167.6	(d)13.2	(d)12.9	(c)11.7	(c)10.9
Tasmania	45.4	50.1	49.1	45.2	(d)12.8	(d)(e)13.6	(e)(c)13.5	(c)12.0
Northern Territory(f)	16.7	16.2	9.3	*10.7	(d)14.8	(d)15.7	(c)8.4	*(c)10.1
Australian Capital Territory	32.8	35.2	30.4	30.9	(d)14.4	(d)(e)15.0	(e)(c)12.9	(c)12.5
Age group (years)								
15 – 24	272.2	365.9	240.3	242.8	10.0	13.8	(c)9.1	(c)8.9
25 – 34	336.2	316.0	284.7	257.2	(d)11.9	(d)11.1	(c)9.9	(c)9.1
35 – 44	450.1	490.9	437.0	434.1	(d)16.9	(d)17.5	(c)15.0	(c)14.7
45 – 54	219.7	280.9	280.1	323.8	10.7	(e)11.9	(e)(c)10.7	(c)11.9
55 – 64	82.3	107.0	102.5	134.0	5.6	(e)6.9	(e)(c)5.8	(c)6.5
65 and over	59.2	95.2	75.6	105.6	3.2	(e)4.3	(e)(c)3.5	(c)4.4
Labour force status								
Employed full-time	807.8	920.7	784.9	837.8	13.6	14.6	(c)12.0	(c)12.2
Employed part-time	265.8	332.6	334.1	324.2	(d)14.5	(d)15.2	(c)13.1	(c)12.0
Total employed	1 073.5	1 253.4	1 119.0	1 162.0	13.8	14.8	(c)12.3	(c)12.1
Unemployed	87.3	79.2	59.9	42.3	(d)8.8	(d)(e)9.5	(e)(c)9.2	(c)7.6
Not in the labour force	258.9	323.4	241.2	293.2	5.3	6.3	(c)4.6	(c)5.3
Area of usual residence								
Capital city	772.9	875.7	760.4	803.6	8.8	9.8	(c)8.1	(c)8.2
Balance of state/territory	646.9	780.2	659.7	693.9	13.3	14.3	(c)11.9	(c)11.8
Country of birth								
Australia	1 208.9	1 392.9	1 197.6	1 268.3	12.2	13.2	(c)11.1	(c)11.2
Overseas	210.8	263.0	222.5	229.2	5.7	6.7	(c)5.3	(c)5.2
Main English speaking countries	137.1	164.8	147.2	144.3	9.1	10.7	(c)8.9	(c)8.9
Other than main English speaking countries	73.7	98.1	75.3	84.9	3.4	4.2	(c)3.0	(c)3.1
Total	1 419.7	1 655.9	1 420.2	1 497.5	10.4	11.5	(c)9.5	(c)9.6

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

- (a) See paragraphs 16 to 26 in the Explanatory Notes for information on difference between the surveys.
 (b) The number of persons involved in non-playing roles, expressed as a percentage of the population in the same group.
 (c) Difference between the 2001 and 2004 proportion is not statistically significant. See Technical Note.
 (d) Difference between the 1993 and 1997 proportion is not statistically significant. See Technical Note.
 (e) Difference between the 1997 and 2001 proportion is not statistically significant. See Technical Note.
 (f) Refers to mainly urban areas only. For further information refer to paragraph 7 of the Explanatory Notes.

	NUMBER				PARTICIPATION RATE(b)			
	1993	1997	2001	2004	1993	1997	2001	2004
	'000	'000	'000	'000	%	%	%	%
MALES								
Coach, instructor or teacher	312.3	391.8	346.0	365.1	4.6	5.5	(c)4.7	(c)4.7
Referee or umpire	242.5	262.0	205.2	194.2	(d)3.6	(d)3.7	(c)2.8	(c)2.5
Committee member or administrator	360.2	418.0	347.7	328.6	5.3	5.9	(c)4.7	(c)4.3
Scorer or timekeeper	na	222.4	224.3	242.4	na	(e)3.1	(e)(c)3.0	(c)3.1
Medical support	na	13.4	42.1	57.9	na	0.2	(c)0.6	(c)0.8
Other involvement	na	53.4	42.8	67.2	na	0.8	0.6	0.9
Total(f)	(g) 789.4	947.6	805.7	849.8	(g)11.7	13.3	(c)10.9	(c)11.0
FEMALES								
Coach, instructor or teacher	219.2	236.5	212.4	229.4	(d)3.2	(d)3.2	(c)2.8	(c)2.9
Referee or umpire	183.4	194.9	134.8	141.2	(d)2.7	(d)2.7	(c)1.8	(c)1.8
Committee member or administrator	270.7	311.3	247.3	245.8	(d)3.9	(d)4.2	(c)3.3	(c)3.1
Scorer or timekeeper	na	239.5	229.4	270.6	na	(e)3.3	(e)(c)3.0	(c)3.4
Medical support	na	13.1	48.0	46.6	na	0.2	(c)0.6	(c)0.6
Other involvement	na	49.3	44.3	60.7	na	(e)0.7	(e)0.6	0.8
Total(f)	(g) 630.4	708.3	614.5	647.7	(g)9.2	9.7	(c)8.1	(c)8.1
PERSONS								
Coach, instructor or teacher	531.5	628.3	558.4	594.5	3.9	4.4	(c)3.7	(c)3.8
Referee or umpire	425.8	456.8	340.0	335.4	(d)3.1	(d)3.2	(c)2.3	(c)2.1
Committee member or administrator	630.9	729.4	595.0	574.4	4.6	5.1	(c)4.0	(c)3.7
Scorer or timekeeper	na	462.0	453.7	513.0	na	(e)3.2	(e)3.0	3.3
Medical support	na	26.5	90.1	104.5	na	0.2	(c)0.6	(c)0.7
Other involvement	na	102.7	87.1	127.9	na	(e)0.7	(e)0.6	0.8
Total(f)	(g) 1 419.7	1 655.9	1 420.2	1 497.5	(g)10.4	11.5	(c)9.5	(c)9.6

na not available

(a) See paragraphs 16 to 26 of the Explanatory Notes for information on differences between surveys.

(b) The number of persons involved in organised sport and physical activity, expressed as a percentage of the population in the same group.

(c) Difference between the 2001 and 2004 data is not statistically significant. See Technical Note.

(d) Difference between the 1993 and 1997 data is not statistically significant. See Technical Note.

(e) Difference between the 1997 and 2001 data is not statistically significant. See Technical Note.

(f) Components may not add to totals as some persons may have had involvement in more than one role.

(g) Includes persons involved in the roles of scorer or timekeeper; medical support; and other involvement.

EXPLANATORY NOTES

INTRODUCTION

- 1** The statistics in this publication were compiled from data collected in the Involvement in Organised Sport and Physical Activity Survey conducted throughout Australia in April 2004 as part of the Monthly Population Survey (MPS).
- 2** The publication *Labour Force, Australia* (cat. no. 6202.0) contains information about survey design, sample redesign, scope, coverage and population benchmarks relevant to the monthly Labour Force Survey (LFS), which also apply to supplementary surveys. It also contains definitions of demographic and labour force characteristics, and information about interviewing which are relevant to both the monthly LFS and supplementary surveys.
- 3** From April 2001, the LFS has been conducted using a redesigned questionnaire containing additional questions and some minor definition changes. These changes also affect the supplementary surveys. For further details, see *Information Paper: Implementing the Redesigned Labour Force Survey Questionnaire* (cat. no. 6295.0) and *Information Paper: Questionnaires used in the Labour Force Survey* (cat. no. 6232.0).

CAI IMPLEMENTATION

- 4** The ABS has begun the progressive implementation of computer assisted interviewing (CAI) into the LFS. Under CAI, interviewers record responses directly onto an electronic questionnaire in a laptop computer.
- 5** In the April 2004 survey, the CAI method was used on a random sub-sample of 40% of interviews for all states and territories. The remainder of interviews were conducted using the traditional 'pen and paper' method. The change in interviewing method is not expected to affect the published estimates in any meaningful way.

SCOPE

- 6** The scope of the survey included all persons aged 15 years and over who were usual residents of private dwellings 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.
- 7** The supplementary survey was conducted in both rural and urban areas in all states and territories, but excluded approximately 120,000 persons living in remote and sparsely settled parts of Australia who would otherwise have been within the scope of the survey. The exclusion of these persons will only have a minor impact on any aggregate estimates that are produced for states and territories, with the exception of the Northern Territory where such persons account for approximately 20% of the population.

COVERAGE

- 8** The estimates in this publication relate to persons covered by the survey in April 2004. In the LFS, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence had only one chance of selection in the survey. See *Labour Force, Australia* (cat. no. 6202.0) for more details.

DATA COLLECTION

- 9** Information was collected through interviews conducted over a two week period in April 2004.
- 10** The survey was conducted using a sub-sample of the Monthly Population Survey sample. The Monthly Population Survey, which is described in *Labour Force, Australia* (cat. no. 6202.0), comprises the monthly labour force topic and supplementary topics. The household sample for the Monthly Population Survey was selected using multi-stage sampling techniques and included approximately 30,000 private dwellings. Information relating to involvement in organised sport and physical activity was collected from seven-eighths of the private dwellings selected for the Monthly Population Survey.

EXPLANATORY NOTES *continued*

DATA COLLECTION *continued*

Information was obtained from any responsible adult in the household who was asked to respond on behalf of one randomly selected person aged 15 years and over in the household.

11 In each selected household, information was collected on the number of persons who were involved in organised sport in either playing or non-playing roles. This excludes persons who were involved only as a spectator or only as a club member. Information was also collected on the characteristics of persons involved, the nature of involvement (whether paid or unpaid) and, for persons involved in non-playing roles, whether they were involved in school or junior sport and whether they had completed a course or held qualifications for the role they performed.

DATA INTERPRETATION

12 Each person could have been involved in one or more of the following six categories of non-playing roles: coach, instructor or teacher; committee member or administrator; referee or umpire; scorer or timekeeper; medical support; and other role. Participation in each category was recorded only once, even if a person was involved in that role for a number of different sports or activities during the 12 month reference period. For example, a person on the committees of a tennis club and a netball club would be recorded only once as being involved as a committee member or administrator. Therefore, figures shown for each non-playing role represent counts of persons involved in that type of role across all organised sport and physical activities.

13 Each person could have been involved as a player or participant, as well as undertaking one or more non-playing roles. For example, a person who coached and played sport would have been counted once in the 'coach, instructor or teacher' category and once as a 'player'.

14 Involvement in organised sport and physical activity may be measured by either counting the number of people involved or by counting the number of involvements. As a person may have involvements in multiple roles, counting involvements produces larger numbers than the number of people involved. In this publication, tables 1, 2, 3, 9, 10, 11 and 12 provide counts of persons, while tables 6–8 count involvements. Table 5 provides counts of both persons and involvements.

15 Payment status was classified into two categories, namely, some paid involvement and unpaid involvement only. Where persons were involved in more than one type of role (e.g., player, coach, etc.) the payment status for involvement (as presented in table 2) and for non-playing involvement (as presented in tables 2 and 4) was determined by considering all of the involvement combined. For example, if a person was unpaid for their involvement as a player but received some payment in dollars or goods and services for their involvement as a coach, they would be classified as having 'some paid involvement' (as presented in table 2).

COMPARABILITY WITH PREVIOUS DATA

16 The Involvement in Organised Sport and Physical Activity survey was previously conducted as part of the Monthly Population Survey (MPS) in 1993, 1997 and 2001. Due to changes in the methodology and the questionnaire, caution should be exercised when making comparisons between these surveys.

17 In 1993, information was obtained for every person aged 15 years and over in the household using face-to-face interviewing techniques. This information was obtained from a responsible adult who answered on behalf of the other members of the household. Respondents were asked about involvement in sport over the previous 12 months.

18 In 1997, the methodology changed to include, where appropriate, telephone interviewing. Information was obtained from two persons aged 15 years and over in each household. Respondents were asked about involvement in sport in the previous 12 months.

EXPLANATORY NOTES *continued*

COMPARABILITY WITH PREVIOUS DATA *continued*

19 In 2001, the survey was again conducted using, where appropriate, telephone interviewing. Information was obtained from a responsible adult who answered on behalf of one randomly selected person aged 15 years and over in each household. Respondents were asked about involvement in organised sport and physical activity in the previous 12 months.

20 The 1993, 1997 and 2001 methodology are considered sufficiently similar for reliable comparisons to be made.

21 The 1993 and 1997 surveys asked about involvement in 'sport'. In contrast, the 2001 and 2004 surveys asked about involvement in 'organised sport and physical activity'. This change in wording may have had an impact on responses.

22 The change in wording of the question is likely to have had less impact on responses to non-playing roles, such as being a coach or referee. By definition, these non-playing roles are usually performed as part of an organised activity. In contrast, players or participants may have responded to these two questions differently because player participation in sport can be either organised or non-organised. Hence 'player participation' data have not been compared over time.

23 While the change in wording of the question from 'sport' to 'organised sport' may have had less impact on responses about non-playing roles (relative to players) there may still have been some impact. When asking about non-paying roles, it is possible that the expansion of the question to include organised 'physical activity' as well as organised 'sport' might have elicited a different response. However, even taking this change in wording into account, it is expected that most people would have reported their non-playing involvement when specifically asked about each role, regardless of whether the initial question asked about 'sport' (in 1993 and 1997) or 'organised sport and physical activity' (in 2001 and 2004). Non-playing roles have been compared over time in tables 11 and 12 of this publication, but caution should still be exercised when interpreting these comparisons.

24 The characteristics of persons involved in at least one non-playing role are compared for 1993, 1997, 2001 and 2004 in table 11. In all years, respondents were asked if they had been involved in any of the following roles: coach, instructor or teacher; referee or umpire; and committee member or administrator. However, the roles of scorer or timekeeper and medical support were specifically prompted in the 2001 and 2004 surveys. In 1993 respondents were asked whether there were any 'other' roles they were involved in and no further information on the type of 'other' role was recorded. In 1997 respondents were asked whether there were any 'other' roles they were involved in and, if they were, they were then asked to provide detail about those roles. In 2001 and 2004, questions were asked about participation in the roles of scorer or timekeeper and medical support prior to asking about participation in any 'other' role. Therefore, it is possible that the 2001 and 2004 survey could have elicited different responses from those who were involved in scorer or timekeeper and medical support roles, relative to 1997 and 1993, due simply to the question wording.

25 As mentioned above, in 1993, the roles of scorer or timekeeper and medical support were not collected separately. This means that comparisons cannot be made for these roles using 1993 data (table 12).

26 In 1997, the roles of committee member and of administrator were collected separately whereas in 2001 and 2004 they were collected together under one role of 'committee member or administrator'. For example, in 1997, if a person reported that they were involved as both a committee member and an administrator, they would have been counted as having two separate involvements. In contrast, in 2001 and 2004, this same person would have been recorded as having one involvement, (i.e. a committee member or administrator). In order to make comparisons over time, the 1997 data for

EXPLANATORY NOTES *continued*

committee member and administrator were re-analysed and combined into the one non-playing role. For this reason, 1997 estimates for this role as published in table 12 will be different to those published in *Involvement in Sport, Australia, 1997* (cat. no. 6285.0).

RELIABILITY OF THE ESTIMATES

- 27** Estimates in this publication are subject to sampling and non-sampling error.
- Sampling error is the difference between the published estimate and the value that would have been produced if all dwellings had been included in the survey. For further information on sampling error, refer to the Technical Note.
 - Non-sampling errors are inaccuracies that occur because of imperfections in reporting by respondents and interviewers, and errors made in coding and processing data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient processing procedures.

ACKNOWLEDGEMENTS

28 ABS surveys draw extensively on information provided 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*.

NEXT SURVEY

29 The ABS plans to conduct this survey again in April 2007.

RELATED PUBLICATIONS

- 30** Other ABS publications which may be of interest include:
- Australian Social Trends, 2004*, cat. no. 4102.0
 - Children's Participation in Cultural and Leisure Activities, Australia, April 2003*, cat. no. 4901.0
 - How Australians Use Their Time, 1997*, cat. no. 4153.0
 - Participation in Sport and Physical Activities, Australia, 2002*, cat. no. 4177.0
 - Selected Amusement and Leisure Industries, Australia, 2000-01*, cat. no. 8688.0
 - Sport and Recreation, A Statistical Overview, Australia, 2003*, cat. no. 4156.0
 - Sports Attendance, Australia, 2002*, cat. no. 4174.0
 - Sports Industries, Australia, 2000-01*, cat. no. 8686.0
 - Voluntary Work, Australia, 2000*, cat. no. 4441.0
- 31** Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <<http://www.abs.gov.au>>. The ABS also issues a daily Release Advice on the web site which details products to be released in the week ahead. The National Centre for Culture and Recreation Statistics theme page also contains a wealth of information and useful references. This site can be accessed through the ABS web site <<http://www.abs.gov.au>>.

APPENDIX POPULATIONS AND DATA ITEMS LIST

DATA AVAILABLE ON REQUEST

The ABS has a range of data available on request from the Involvement in Organised Sport and Physical Activity Survey. This section lists the data items and populations which relate to the survey. More detailed breakdowns of some data items may also be available on request.

For more information about ABS data available on request, contact Mike Stratton on Adelaide (08) 8237 7399, or by facsimile (08) 8237 7366, or by email to <m.stratton@abs.gov.au>.

POPULATIONS

1. All persons aged 15 years and over
2. All persons aged 15 years and over involved in organised sport or physical activity
3. All persons with involvement in organised sport or physical activity who indicate that they have a non-playing role

DATA ITEMS

CHARACTERISTICS

Sex

Age (in single years)

Country of birth

State or territory of usual residence

Area of usual residence

Indigenous identifier

LABOUR FORCE

Full-time/part-time employment

Labour force status

Multiple job holder

CHARACTERISTICS OF PERSONS INVOLVED

Type of involvement

Player status

Whether paid or will be paid for involvement

Value of payment

Number of weeks involved in the last 12 months

Average number of hours involved each week

Completed course or qualification towards taking part in non-playing sport or physical activity roles

Involvement in school or junior sports

RELIABILITY OF ESTIMATES

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. 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.

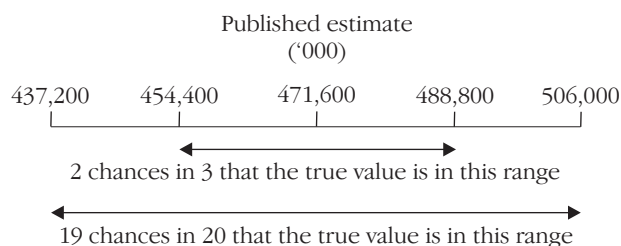
2 Due to space limitations, it is impractical to print the SE of each estimate in the publication. Instead, a table of SE's is provided to enable readers to determine the SE for an estimate from the size of that estimate (see table T1). Each SE table is derived from a mathematical model, referred to as the 'SE model', which is created using the data collected in this survey. It should be noted that the SE model only gives an approximate value for the SE for any particular estimate, since there is some minor variation among SEs for different estimates of the same size.

CALCULATION OF STANDARD ERROR

3 An example of the calculation and the use of SEs in relation to estimates of persons follows. From table 2 an estimated 471,600 Victorian females were involved in organised sport and physical activity during the 12 months prior to interview. Since this estimate is between 300,000 and 500,000, table T1 shows that the SE for Victoria will lie between 14,800 and 17,600, and can be approximated by interpolation by using the following general formula:

$$\begin{aligned}
 &SE \text{ of estimate} \\
 &= \text{lower SE} + \left(\left(\frac{\text{size of estimate} - \text{lower estimate}}{\text{upper estimate} - \text{lower estimate}} \right) \times (\text{upper SE} - \text{lower SE}) \right) \\
 &= 14,800 + \left(\left(\frac{471,600 - 300,000}{500,000 - 300,000} \right) \times (17,600 - 14,800) \right) \\
 &= 17,202 \\
 &= 17,200 \text{ (rounded to the nearest 100)}
 \end{aligned}$$

4 Therefore there are about 2 chances in 3 that the number that would have been produced if all dwellings had been included in the survey will fall within the range 454,400 and 488,800, and about 19 chances in 20 that the value will fall within the range 437,200 and 506,000. This example is illustrated in the diagram below:



5 In general, the size of the SE increases as the size of the estimate increases, but at a slower rate. Therefore, the RSE decreases as the size of the estimate increases. Very small estimates are subject to such high RSEs that their value for most practical purposes is unreliable. In the tables in this publication, only estimates with an RSE of 25% or less are considered reliable for most purposes. Estimates with an RSE greater than 25% but less

CALCULATION OF STANDARD ERROR *continued*

than or equal to 50% are preceded by an asterisk (e.g. *3.4) to indicate they are subject to high SEs and should be used with caution. Estimates with RSEs of greater than 50%, preceded by a double asterisk (e.g. **0.3), are considered too unreliable for general use and should only be used to aggregate with other estimates to provide derived estimates with an RSE of 25% or less.

PROPORTIONS AND PERCENTAGES

6 Proportions and percentages formed from the ratio of two related 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:

$$RSE(\frac{x}{y}) = \sqrt{[RSE(x)]^2 - [RSE(y)]^2}$$

7 This formula is only valid when x is a subset of y.

8 Considering the example above, the 471,600 Victorian females who were involved in organised sport and physical activity during the 12 months prior to interview represent 25% of the 1,867,800 females in Australia who were involved in organised sport and physical activity. The SE of 1,867,800 may be calculated by interpolation as 31,000. To convert this to a RSE we express the SE as a percentage of the estimate, or $31,000/1,867,800 = 1.7\%$. The SE for 471,600 was calculated previously as 17,200 which converted to a RSE is $17,200/471,600 = 3.7\%$. Applying the above formula, the RSE of the proportion is:

$$RSE = \sqrt{(3.7)^2 - (1.7)^2} = 3.2\%$$

9 This then gives an SE of the percentage (25%) of $(3.2/100) \times 25 = 0.8\%$. Therefore, there are about 2 chances in 3 that the percentage of females involved in organised sport and physical activity who were from Victoria was between 24.9% and 25.1% and approximately 19 chances in 20 that the percentage was in the range 24.8% to 25.2%.

DIFFERENCES

10 Published estimates may also be used to calculate the difference between two survey estimates (of numbers or percentages). Such an estimate is subject to sampling error. The sampling error of the difference between two estimates depends on their SE's and the relationship (correlation) between them. An approximate SE of the difference between two estimates (x-y) may be calculated by the following formula:

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

11 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.

SIGNIFICANCE TESTING

12 Statistical significance testing has been undertaken for the comparison of participation rates between 1993 and 1997, 1997 and 2001, and 2001 and 2004 in tables 11 and 12 of this publication.

SIGNIFICANCE TESTING

continued

13 The statistical significance test for these comparisons was performed to determine whether it is likely that there is a difference between the corresponding population characteristics, rather than the result of sampling variability in the data. The standard error of the difference between two corresponding estimates (x and y) can be calculated using the formula in paragraph 10. This standard error is then used to calculate the following test statistic:

$$\frac{[x-y]}{SE(x-y)}$$

14 If the value of this test statistic is greater than 1.96 then there are 19 chances in 20 that there is a real difference in the two populations with respect to that characteristic. Otherwise, it cannot be stated with confidence that there is a real difference between the populations.

15 The SE of an estimated percentage or rate computed by using sample data for both numerator and denominator, depends on both the size of the numerator and the size of the denominator. However, the RSE of the estimated percentage or rate will generally be lower than the RSE of the estimate of the numerator. This means that differences on proportions may be significant while differences on estimates are not.

16 The selected tables in this publication that show the results of statistical significance testing are annotated to indicate whether or not the estimates which have been compared are statistically significantly different from each other with respect to the test statistic. In all other tables which do not show the results of significance testing, users should take account of RSEs when comparing estimates.

TECHNICAL NOTE DATA QUALITY *continued*

SIGNIFICANCE TESTING

continued

T1 STANDARD ERROR OF ESTIMATES

Size of estimate	AUSTRALIA								
	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	SE
	no.	no.	no.	no.	no.	no.	no.	no.	no. %
100	170	130	200	120	..	110	90	130	150 150.0
200	280	230	310	200	130	180	160	200	250 125.0
300	380	310	400	260	190	230	230	250	330 110.0
500	540	460	540	370	300	320	340	340	470 94.0
700	680	580	670	470	400	400	430	420	580 82.9
1,000	860	750	820	590	540	500	540	510	730 73.0
1,500	1 120	990	1 040	760	750	630	700	640	940 62.7
2,000	1 350	1 190	1 220	910	930	740	820	750	1 130 56.5
2,500	1 550	1 350	1 400	1 050	1 100	850	900	850	1 300 52.0
3,000	1 750	1 550	1 550	1 150	1 250	950	1 000	900	1 450 48.3
3,500	1 900	1 700	1 650	1 250	1 400	1 000	1 100	1 000	1 600 45.7
4,000	2 050	1 850	1 800	1 350	1 500	1 100	1 150	1 050	1 700 42.5
5,000	2 350	2 100	2 000	1 550	1 750	1 200	1 300	1 200	1 950 39.0
7,000	2 850	2 550	2 400	1 850	2 150	1 450	1 450	1 400	2 350 33.6
10,000	3 450	3 150	2 900	2 250	2 600	1 750	1 700	1 650	2 900 29.0
15,000	4 300	3 900	3 550	2 800	3 200	2 100	1 900	1 950	3 600 24.0
20,000	5 000	4 550	4 100	3 200	3 700	2 400	2 050	2 200	4 200 21.0
30,000	6 100	5 600	5 000	3 900	4 400	2 850	2 250	2 600	5 150 17.2
40,000	7 050	6 400	5 700	4 450	4 950	3 200	2 350	2 950	6 000 15.0
50,000	7 850	7 100	6 300	4 900	5 350	3 550	2 450	3 200	6 700 13.4
100,000	10 700	9 650	8 600	6 550	6 650	4 600	2 550	4 100	9 300 9.3
150,000	12 750	11 400	10 200	7 650	7 400	5 300	2 550	4 700	11 200 7.5
200,000	14 350	12 750	11 500	8 550	7 850	5 850	2 550	5 150	12 750 6.4
300,000	16 850	14 800	13 500	9 850	8 400	6 650	..	5 850	15 200 5.1
500,000	20 400	17 600	16 450	11 650	8 850	7 700	..	..	18 850 3.8
1,000,000	25 900	21 800	21 250	14 350	9 100	..	..	..	24 750 2.5
2,000,000	32 100	26 200	26 950	17 200	8 850	..	..	..	31 950 1.6
5,000,000	41 250	32 000	36 050	..	..	..	..	..	43 600 0.9
10,000,000	..	..	..	..	..	..	..	..	54 000 0.5

.. not applicable

GLOSSARY

Balance of state/territory	This comprises the whole of Australia less the eight State/Territory capital cities, as defined in <i>Statistical Geography: Volume 1 - Australian Standard Geographical Classification (ASGC)</i> (cat. no. 1216.0).
Capital cities	The areas determining the eight State/Territory capital cities are the Statistical Divisions for those capital cities as defined in the <i>Statistical Geography: Volume 1 - Australian Standard Geographical Classification (ASGC)</i> (cat. no. 1216.0).
Country of birth	Country of birth is classified according to the <i>Standard Australian Classification of Countries (SACC)</i> (cat. no. 1269.0).
Employed	Employed persons are those aged 15 years and over who, during the week prior to interview: <ul style="list-style-type: none"> ■ worked for one hour or more for pay, profit, commission or payment in-kind in a job or business, or on a farm (comprising employees, employers and own account workers); or ■ worked for one hour or more without pay in a family business or on a farm (i.e. contributing family workers); or ■ were employees who had a job but were not at work and were: away from work for less than four weeks up to the end of the week prior to interview; away from work for more than four weeks up to the end of the week prior to interview and received pay for some or all of the four week period prior to interview; away from work as a standard work or shift arrangement; on strike or locked out; on worker's compensation and expected to return to their job; or ■ were employers or own account workers who had a job, business or farm, but were not at work.
Employed full time	Persons employed full time are those who usually work 35 hours or more a week (in all jobs) and those who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.
Employed part time	Persons employed part time are those who usually work less than 35 hours per week (in all jobs) and either did so during the reference week or were not at work in the reference week.
Involvement in organised sport and physical activity	Involvement includes players and participants, as well as persons involved in 'non-playing roles'. Respondents could have been involved in more than one non-playing role and/or as a player. Persons who were involved only as a spectator or only as a club member are excluded.
Junior sport	Junior sport includes those sports and physical activities in which young participants are primarily grouped according to age rather than ability. There is no specific age limit applied to this definition because the age criteria for 'junior' sport may vary from sport to sport.
Labour force status	This is a classification of the civilian population aged 15 years and over into employed, unemployed or not in the labour force.
Main English speaking countries	The list of main English speaking countries provided here is not an attempt to classify countries on the basis of whether or not English is the predominant or official language of each country. It is a list of the main countries from which Australia receives, or has received, significant numbers of overseas settlers who are likely to speak English. The list therefore includes South Africa, since although large numbers of South Africans do not speak English as their first language, those who migrate to Australia are likely to speak English. The list does not include country units which are statistically insignificant in the Australian context, although they are English speaking countries.

GLOSSARY *continued*

Main English speaking countries <i>continued</i>	The set of main English speaking Countries used in this publication consists of Australia Canada Ireland, Republic of New Zealand South Africa United Kingdom (consisting of England, Scotland, Wales, Northern Ireland) United States of America
Medical support role	This role includes persons who indicated that they had been involved as a 'provider of medical support' for organised physical activities or sports. This would include medical practitioners, physiotherapists, first aid attendants, etc.
Non-playing roles	These roles are undertaken to support, arrange and/or run organised sport and physical activity. The six roles included in this survey are: coach, instructor, or teacher; referee or umpire; committee member or administrator; scorer or timekeeper; medical support; and other role.
Not in the labour force	This category consists of those persons who were not in the categories of 'employed' or 'unemployed' as defined.
Number of hours of involvement	For each role, the number of hours of involvement is an estimate of the average number of hours per week for those weeks in which the respondent took part in the role during the 12 months prior to interview.
Number of weeks of involvement	For each role, the number of weeks of involvement is an estimate of the number of weeks that the respondent had been involved in that particular role during the 12 months prior to interview.
Organised sport and physical activity	This is sport and physical activity that is organised by a club, business or other organisation.
Participation rate	For any group, this is the number of persons involved in organised sport and physical activity, expressed as a percentage of the total population of that group.
Payment amount	Persons could have been paid for their involvement in dollars and/or in goods and services. The payment reported was that which had been received, or was expected to be received, for the person's involvement in organised sport and physical activity during the 12 months prior to interview. Where dollars are reported, this is the gross income in dollars (i.e. income before tax and expenses are deducted). The equivalent dollar value for any payment in goods and services was not collected from respondents.
Players	Players includes those who were involved in playing or participating in organised sport or organised physical activity at least once in the 12 months prior to interview. Persons who were players could also have been involved in non-playing roles.
Qualification	For this survey, a qualification is the completion of a course or qualification relevant to the non-playing roles surveyed, regardless of the length of the course or the type of institution offering the course. This may include: training run by sporting associations or clubs; study at educational institutions; and attendance at workshops or seminars.
School sport	School sport includes those sports and physical activities that are organised by any school or college that caters for students up to and including year 12. Participation may take place either within or outside of school hours.
Some paid involvement	This includes persons who received, or expected to receive, at least some payment for their involvement in organised sport and physical activity during the 12 months prior to interview. Payment includes payment in dollars or in goods and services.

GLOSSARY *continued*

Unemployed	<p>Unemployed persons are those aged 15 years and over who were not employed during the week prior to interview and:</p> <ul style="list-style-type: none">■ had actively looked for full-time or part-time work at any time in the four weeks up to the end of the week prior to interview; and■ were available for work in the week prior to interview or were waiting to start a new job within four weeks from the end of the week prior to interview and could have started in the week prior to interview if the job had been available then.
Unpaid involvement	<p>This is involvement in organised sport and physical activity for which no payment (either in dollars or in goods and services) was received or expected.</p>

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