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**PARTICIPATION IN
SPORTING AND
PHYSICAL
RECREATIONAL
ACTIVITIES**

QUEENSLAND



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PARTICIPATION IN SPORTING AND PHYSICAL RECREATIONAL ACTIVITIES, QUEENSLAND, OCTOBER 1993

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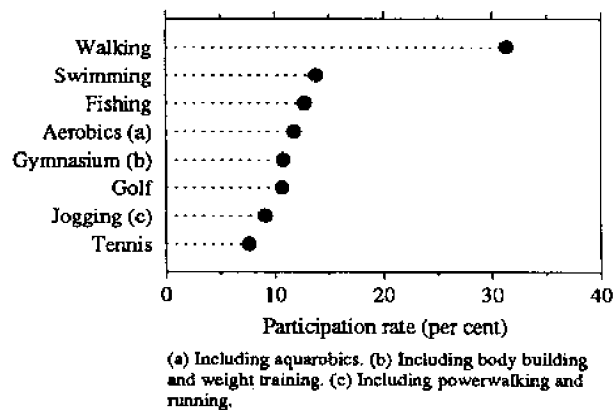
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SUMMARY OF FINDINGS

Participation in sporting and physical recreational activities

- Of persons in Queensland aged 15 years and over, 63.1 per cent (or 1,450,000 persons) participated in at least one sport or physical recreational activity on a regular basis during the 12 months between October 1992 and September 1993.
- The sports/physical recreational activities with the highest levels of participation were walking (31.3 per cent of all people who participated), swimming (13.8 per cent) and fishing (12.8 per cent). Males who participated were most likely to nominate walking (19.0 per cent), fishing (18.7 per cent) or golf (17.5 per cent) as one of their main sports/physical recreational activities, while the most common sports/physical recreational activities for females were walking (44.2 per cent), aerobics or aquarobics (22.3 per cent) and swimming (14.8 per cent).

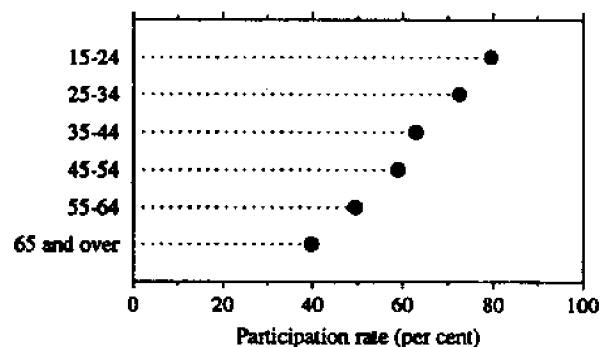
PARTICIPATION RATES BY SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES



Characteristics of persons who participated

- There was little difference between the participation rates for males and females. However, there was a strong, decreasing trend in the proportion of persons who had regularly participated in a sporting or physical recreational activity as age group increased. A relationship was also evident between participation rate and education. Excluding persons who were still attending school (who had a participation rate of almost 90 per cent), there was an increasing trend in the participation rate as the level of highest educational qualification increased.

PARTICIPATION RATES IN SPORTS/PHYSICAL RECREATIONAL ACTIVITIES BY AGE GROUP (YEARS)



Type of participation

- Of those who did participate, most people (90.4 per cent) were involved in at least one sport/physical recreational activity for personal fitness or as a social participant. However, 388,000 people (26.7 per cent) participated in at least one sport/physical recreational activity as a formal competitor,

SUMMARY OF FINDINGS — *continued*Type of participation — *continued*

and 9.1 per cent of people participated as either a coach, official and/or administrator. The most notable difference in the type of participation between the sexes was that males were much more likely to be involved as formal competitors than females (33.8 per cent compared with 19.3 per cent respectively).

- The sports/physical recreational activities with the highest proportion of participants who were formal competitors were netball (64.2 per cent), touch football (61.7 per cent) and indoor cricket (60.9 per cent). The sports/physical recreational activities which had the highest proportion of persons involved in a coaching, official and/or administrative role were rugby league (32.7 per cent), cricket (25.4 per cent) and soccer (23.3 per cent).

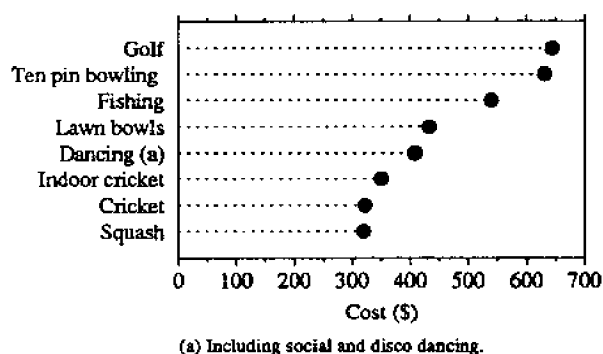
Organisation of sports and physical recreational activities

- Almost 610,000 people (41.9 per cent of those who participated) were regularly involved in at least one sport that was organised by a club, league or association. The sports/physical recreational activities which had the highest level of organisation by a club, league or association were lawn bowls (94.7 per cent), rugby league (83.8 per cent) and touch football (76.7 per cent). However, 74.2 per cent of people who participated individually organised at least one of the sports/physical recreational activities in which they were involved.

Cost of participation

- Queenslanders aged 15 years and over spent almost \$984m on the main sporting and physical recreational activities in which they participated between October 1992 and September 1993. This equates to an average annual cost of approximately \$680 for each participant. Of the selected main sports and physical recreational activities listed in Table 10, the most expensive ones (based on the average annual cost of participation) were equestrian activities (*\$2,220 per year), golf (\$640 per year) and ten pin bowling (\$630 per year).

AVERAGE ANNUAL COST OF PARTICIPATION IN SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES



Reasons for non-participation

- There were 720,400 people (31.3 per cent of all persons aged 15 years and over in Queensland) who wanted to participate in a sport/physical recreational activity during the previous 12 months but were unable to participate in that particular sport/physical recreational activity (although they may have participated in another sport or physical recreational activity). The main reason given for non-participation was 'no time/too busy' (43.8 per cent). The sports/physical recreational activities which were specified by the most people as the one in which they would have most liked to have participated but did not were tennis (8.9 per cent of those who wanted to participate), golf (6.9 per cent) and aerobics or aquarobics (6.6 per cent).

TABLE 1 — PERSONS AGED 15 YEARS AND OVER: SELECTED CHARACTERISTICS BY PARTICIPATION IN SPORTING AND PHYSICAL RECREATIONAL ACTIVITIES DURING THE PREVIOUS 12 MONTHS, QUEENSLAND, OCTOBER 1993

<i>Selected characteristics</i>	<i>Participated</i>		<i>Did not participate</i>		<i>Total</i>
	<i>('000)</i>	<i>per cent</i>	<i>('000)</i>	<i>per cent</i>	<i>('000)</i>
Sex					
Males	744.8	65.1	398.4	34.9	1,143.2
Females	706.9	61.1	449.8	38.9	1,156.7
Age group (years)					
15 – 24	374.6	79.5	96.7	20.5	471.3
25 – 34	341.2	72.5	129.4	27.5	470.6
35 – 44	286.7	62.9	169.2	37.1	456.0
45 – 54	209.5	59.0	145.3	41.0	354.8
55 – 64	114.6	49.3	117.6	50.7	232.2
65 and over	125.1	39.7	190.0	60.3	315.0
Marital status					
Married	784.3	59.7	529.6	40.3	1,313.9
De facto	79.6	65.5	41.9	34.5	121.5
Separated	36.2	60.0	24.1	40.0	60.3
Divorced	58.9	61.8	36.4	38.2	95.3
Widowed	51.3	40.3	75.9	59.7	127.2
Never married	441.4	75.9	140.3	24.1	581.7
Highest educational qualification					
Still attending school	91.7	89.4	10.9	10.6	102.6
Senior school certificate or less	709.1	56.0	556.2	44.0	1,265.3
Trade/technical certificate/apprenticeship	226.4	66.9	112.2	33.1	338.6
Other certificate	188.1	68.8	85.3	31.2	273.5
Associate/undergraduate diploma	89.5	70.3	37.8	29.7	127.3
Bachelor/higher degree	146.8	76.2	45.8	23.8	192.6
Employment status					
Employed	923.5	68.7	420.0	31.3	1,343.5
Unemployed	98.1	70.2	41.7	29.8	139.8
Not in labour force	430.1	52.7	386.6	47.3	816.6
Country of birth					
Australia	1,169.8	64.4	646.8	35.6	1,816.6
New Zealand and other Oceania	67.7	67.1	33.3	32.9	100.9
United Kingdom and Ireland	113.3	63.0	66.7	37.0	180.0
Other Europe	47.2	45.2	57.4	54.8	104.6
Asia	26.1	44.1	33.1	55.9	59.2
Other	27.6	71.5	11.0	28.5	38.5
Statistical region					
<i>Brisbane Statistical Division (BSD)</i>	<i>699.5</i>	<i>64.2</i>	<i>390.6</i>	<i>35.8</i>	<i>1090.1</i>
Inner suburbs of Brisbane City	186.7	64.6	102.5	35.4	289.2
Outer suburbs of Brisbane City	206.7	64.2	115.2	35.8	322.0
South and East balance of BSD	115.6	64.9	62.6	35.1	178.2
North and West balance of BSD	190.4	63.3	110.3	36.7	300.7
<i>Moreton Statistical Division</i>	<i>256.7</i>	<i>65.3</i>	<i>136.3</i>	<i>34.7</i>	<i>393.0</i>
South and East Moreton	138.0	64.6	75.7	35.4	213.7
North and West Moreton	118.7	66.2	60.6	33.8	179.3
<i>Balance of Queensland</i>	<i>495.5</i>	<i>60.7</i>	<i>321.3</i>	<i>39.3</i>	<i>816.8</i>
Wide Bay-Burnett	87.6	57.8	64.0	42.2	151.7
Mackay, Fitzroy and Central-West	124.3	60.2	82.0	39.8	206.3
Darling Downs and South-West	102.3	61.3	64.6	38.7	166.9
Northern and North-West	90.9	62.8	53.9	37.2	144.8
Far North	90.3	61.4	56.8	38.6	147.1
Total	1,451.7	63.1	848.2	36.9	2,299.9

TABLE 2 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: TYPE OF PARTICIPATION IN SPORTING AND PHYSICAL RECREATIONAL ACTIVITIES DURING THE PREVIOUS 12 MONTHS BY SEX, QUEENSLAND, OCTOBER 1993

<i>Type of participation</i>	<i>Males</i>		<i>Females</i>		<i>Persons</i>	
	<i>('000)</i>	<i>per cent (a)</i>	<i>('000)</i>	<i>per cent (b)</i>	<i>('000)</i>	<i>per cent (c)</i>
Personal fitness/social participant	660.9	88.7	651.5	92.2	1,312.4	90.4
Formal competitor	252.1	33.8	136.2	19.3	388.2	26.7
Paid coach	*2.8	*0.4	6.0	0.8	8.8	0.6
Unpaid coach	32.1	4.3	28.2	4.0	60.3	4.2
Paid official/administrator	5.4	0.7	*3.4	*0.5	8.8	0.6
Unpaid official/administrator	43.0	5.8	33.4	4.7	76.4	5.3
Other volunteer	22.2	3.0	27.1	3.8	49.2	3.4
Other	13.0	1.7	10.9	1.5	23.9	1.6
Total (d)	744.8	100.0	706.9	100.0	1,451.7	100.0

(a) Proportion of the 744,800 males who participated. (b) Proportion of the 706,900 females who participated. (c) Proportion of the 1,451,700 persons who participated. (d) Persons may appear in more than one category for type of participation, hence components may not add to the total.

TABLE 3 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: TYPE OF PARTICIPATION IN SPORTING AND PHYSICAL RECREATIONAL ACTIVITIES DURING THE PREVIOUS 12 MONTHS BY AGE GROUP, QUEENSLAND, OCTOBER 1993

<i>Type of participation</i>	<i>15 – 24 years</i>	<i>25 – 34 years</i>	<i>35 – 44 years</i>	<i>45 – 54 years</i>	<i>55 – 64 years</i>	<i>65 years and over</i>	<i>Total</i>
NUMBER ('000)							
Personal fitness/social participant	333.8	311.2	255.5	188.4	104.3	119.2	1,312.4
Formal competitor	154.7	97.9	61.3	36.6	19.5	18.3	388.2
Paid coach	**0.5	4.6	*1.2	*1.2	*1.2	**—	8.8
Unpaid coach	15.0	14.3	23.8	5.4	*1.2	**0.7	60.3
Paid official/administrator	*2.0	**0.9	*2.5	*2.8	**—	**0.5	8.8
Unpaid official/administrator	10.8	17.8	26.6	11.8	6.2	*3.3	76.4
Other volunteer	14.3	6.1	17.1	4.9	*3.7	*3.1	49.2
Other	5.3	4.6	4.8	4.9	*3.3	**1.0	23.9
Total (a)	374.6	341.2	286.7	209.5	114.6	125.1	1,451.7
PER CENT (b)							
Personal fitness/social participant	89.1	91.2	89.1	89.9	91.0	95.3	90.4
Formal competitor	41.3	28.7	21.4	17.5	17.0	14.6	26.7
Paid coach	**0.1	1.3	*0.4	*0.6	*1.0	**—	0.6
Unpaid coach	4.0	4.2	8.3	2.6	*1.0	**0.6	4.2
Paid official/administrator	*0.5	**0.3	*0.9	*1.3	**—	**0.4	0.6
Unpaid official/administrator	2.9	5.2	9.3	5.6	5.4	*2.6	5.3
Other volunteer	3.8	1.8	6.0	2.3	*3.2	*2.5	3.4
Other	1.4	1.3	1.7	2.3	*2.9	**0.8	1.6
Total (a)	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(a) Persons may appear in more than one category for type of participation, hence components may not add to the total. (b) Proportion of persons who participated in each age group.

TABLE 4 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY SEX, QUEENSLAND, OCTOBER 1993

Selected main sports and physical recreational activities	Males		Females		Persons	
	('000)	per cent (b)	('000)	per cent (c)	('000)	per cent (d)
Aerobics, aquarobics	13.5	1.8	157.7	22.3	171.2	11.8
Basketball	22.0	3.0	18.4	2.6	40.4	2.8
Billiards/snooker/pool	46.5	6.2	15.2	2.1	61.6	4.2
Bushwalking	35.5	4.8	32.8	4.6	68.3	4.7
Cricket	35.5	4.8	*2.3	*0.3	37.8	2.6
Cycling, BMX	51.7	6.9	28.5	4.0	80.1	5.5
Dancing (dancesport, formal ballroom, etc.)	6.9	0.9	24.4	3.5	31.3	2.2
Dancing (social, disco, etc.)	20.2	2.7	48.0	6.8	68.2	4.7
Equestrian activities	12.7	1.7	21.5	3.0	34.2	2.4
Fishing	139.2	18.7	46.0	6.5	185.1	12.8
Golf	130.4	17.5	24.5	3.5	154.9	10.7
Gymnasium, body building, weight training	81.9	11.0	74.6	10.5	156.5	10.8
Indoor cricket	37.0	5.0	6.7	1.0	43.7	3.0
Jogging, powerwalking, running	67.5	9.1	64.8	9.2	132.3	9.1
Lawn bowls	29.6	4.0	21.6	3.1	51.2	3.5
Netball	9.8	1.3	52.7	7.5	62.5	4.3
Rugby league	39.7	5.3	6.5	0.9	46.2	3.2
Soccer	28.6	3.8	12.6	1.8	41.2	2.8
Squash	28.4	3.8	26.4	3.7	54.8	3.8
Surf sports (surfing, windsurfing, etc.)	39.9	5.4	7.8	1.1	47.7	3.3
Swimming	95.0	12.8	104.9	14.8	199.9	13.8
Tennis	45.9	6.2	63.9	9.0	109.8	7.6
Ten pin bowling	14.8	2.0	32.7	4.6	47.5	3.3
Touch football	48.9	6.6	12.4	1.8	61.3	4.2
Walking	141.2	19.0	312.6	44.2	453.8	31.3
Total (e)	744.8	100.0	706.9	100.0	1,451.7	100.0

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Proportion of the 744,800 males who participated. (c) Proportion of the 706,900 females who participated. (d) Proportion of the 1,451,700 persons who participated. (e) Total refers to persons who participated in any sport/physical recreational activity.

TABLE 5 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY AGE GROUP, QUEENSLAND, OCTOBER 1993 ('000)

Selected main sports and physical recreational activities	15 – 24 years	25 – 34 years	35 – 44 years	45 – 54 years	55 – 64 years	65 years and over	Total
Aerobics, aquarobics	50.7	57.9	34.6	17.0	7.3	*3.6	171.2
Basketball	29.4	6.5	*3.3	*1.3	**—	**—	40.4
Billiards/snooker/pool	34.8	13.1	5.4	4.2	*1.9	*2.3	61.6
Bushwalking	11.7	23.9	17.1	10.8	*4.0	**0.9	68.3
Cricket	18.3	11.5	4.9	*2.6	**0.5	**—	37.8
Cycling, BMX	24.9	25.2	16.0	8.0	*3.7	*2.4	80.1
Dancing (dancesport, formal ballroom, etc.)	8.6	4.1	7.6	6.2	*2.1	*2.7	31.3
Dancing (social, disco, etc.)	30.2	12.5	10.8	6.4	4.4	4.1	68.2
Equestrian activities	12.4	8.0	6.9	*2.9	*2.4	*1.6	34.2
Fishing	34.6	45.4	45.4	31.2	13.8	14.7	185.1
Golf	26.0	40.2	29.3	32.9	14.0	12.5	154.9
Gymnasium, body building, weight training	59.6	49.3	23.9	16.9	*3.9	*2.9	156.5
Indoor cricket	19.1	19.5	*3.2	*1.9	**—	**—	43.7
Jogging, powerwalking, running	36.0	40.7	33.9	17.2	*2.6	*1.9	132.3
Lawn bowls	*1.6	*2.5	*3.9	6.3	11.7	25.1	51.2
Netball	39.1	15.7	6.7	*1.1	**—	**—	62.5
Rugby league	24.7	8.6	11.7	*1.2	**—	**—	46.2
Soccer	25.8	6.6	7.6	**0.7	**0.5	**—	41.2
Squash	17.7	21.1	10.3	5.1	**0.5	**—	54.8
Surf sports (surfing, windsurfing, etc.)	26.8	9.9	8.4	*1.2	**0.2	*1.2	47.7
Swimming	51.2	50.6	51.0	24.5	12.5	10.1	199.9
Tennis	22.9	22.1	26.3	23.5	10.5	4.4	109.8
Ten pin bowling	9.0	12.6	12.1	6.7	5.5	*1.7	47.5
Touch football	26.3	28.2	6.8	**—	**—	**—	61.3
Walking	65.5	89.3	87.4	93.6	56.3	61.6	453.8
Total (b)	374.6	341.2	286.7	209.5	114.6	125.1	1,451.7

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Total refers to persons who participated in any sport/physical recreational activity.

TABLE 6 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY TYPE OF PARTICIPATION IN SPORT/PHYSICAL RECREATIONAL ACTIVITY, QUEENSLAND, OCTOBER 1993 ('000)

<i>Selected main sports and physical recreational activities</i>	<i>Personal fitness/ social participant</i>	<i>Formal competitor</i>	<i>Paid/unpaid coach/official/ administrator</i>	<i>Other</i>	<i>Total (b)</i>
Aerobics, aquarobics	169.4	**—	*2.8	**—	171.2
Basketball	19.2	22.7	*3.8	*1.8	40.4
Billiards/snooker/pool	59.3	5.0	**0.5	**—	61.6
Bushwalking	66.5	**—	**—	*1.8	68.3
Cricket	8.3	21.5	9.6	*1.7	37.8
Cycling, BMX	72.9	7.9	*2.0	*3.9	80.1
Dancing (dancesport, formal ballroom, etc.)	24.5	*2.8	*2.1	4.6	31.3
Dancing (social, disco, etc.)	66.4	*1.7	*1.9	**0.5	68.2
Equestrian activities	23.4	9.4	7.5	*3.9	34.2
Fishing	177.4	9.4	*2.4	*3.8	185.1
Golf	125.7	44.9	*1.8	*1.5	154.9
Gymnasium, body building, weight training	153.7	*3.6	**0.6	*1.5	156.5
Indoor cricket	19.6	26.6	*1.4	**—	43.7
Jogging, powerwalking, running	130.7	5.3	*1.1	**0.6	132.3
Lawn bowls	38.2	22.2	9.2	*2.8	51.2
Netball	30.0	40.1	6.5	*2.0	62.5
Rugby league	11.8	22.0	15.1	*1.6	46.2
Soccer	15.1	20.4	9.6	5.9	41.2
Squash	41.4	19.1	*2.0	**—	54.8
Surf sports (surfing, windsurfing, etc.)	46.8	*1.5	**0.6	**—	47.7
Swimming	186.7	8.2	10.6	*3.1	199.9
Tennis	96.0	23.6	*1.3	*1.2	109.8
Ten pin bowling	24.0	25.0	*1.2	**—	47.5
Touch football	28.4	37.8	6.5	*2.0	61.3
Walking	452.9	**—	**—	*2.7	453.8
Total (c)	1,312.4	388.2	132.0	72.9	1,451.7

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Persons may appear in more than one category for type of participation, hence components may not add to the total. (c) Total refers to persons who participated in any sport/physical recreational activity.

TABLE 7 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY HOW SPORT/PHYSICAL RECREATIONAL ACTIVITY WAS ORGANISED, QUEENSLAND, OCTOBER 1993 ('000)

<i>Selected main sports and physical recreational activities</i>	<i>School or tertiary institution</i>	<i>Club, league or association</i>	<i>Individual</i>	<i>Other</i>	<i>Total (b)</i>
Aerobics, aquarobics	8.9	30.8	52.8	85.5	171.2
Basketball	13.9	18.5	6.0	5.7	40.4
Billiards/snooker/pool	**—	12.5	46.9	*3.3	61.6
Bushwalking	**0.2	4.4	63.1	*1.7	68.3
Cricket	11.4	23.4	*3.3	*1.5	37.8
Cycling, BMX	**—	9.6	70.6	**—	80.1
Dancing (dancesport, formal ballroom, etc.)	6.5	11.0	10.3	*4.0	31.3
Dancing (social, disco, etc.)	6.0	19.1	42.1	5.4	68.2
Equestrian activities	*2.1	19.3	16.6	*1.1	34.2
Fishing	**—	12.6	175.0	4.2	185.1
Golf	*2.7	76.7	72.0	12.1	154.9
Gymnasium, body building, weight training	*3.3	17.7	74.1	65.2	156.5
Indoor cricket	*1.4	11.3	5.0	27.2	43.7
Jogging, powerwalking, running	*3.4	9.5	118.7	*3.7	132.3
Lawn bowls	**—	48.5	*3.3	**—	51.2
Netball	14.6	32.7	5.4	17.4	62.5
Rugby league	6.6	38.7	*2.4	*1.2	46.2
Soccer	10.2	25.1	6.7	*1.6	41.2
Squash	4.6	19.1	23.3	11.5	54.8
Surf sports (surfing, windsurfing, etc.)	**—	*2.0	45.6	**—	47.7
Swimming	16.9	18.0	161.4	9.9	199.9
Tennis	5.1	36.3	61.1	11.8	109.8
Ten pin bowling	*1.3	32.2	7.7	6.8	47.5
Touch football	5.4	47.0	8.6	*3.9	61.3
Walking	*1.1	*2.0	448.0	*3.2	453.8
Total (c)	123.0	608.8	1,077.2	264.0	1,451.7

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Persons may appear in more than one category for how sport/physical recreational activity was organised, hence components may not add to the total. (c) Total refers to persons who participated in any sport/physical recreational activity.

TABLE 8 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY FREQUENCY OF PARTICIPATION, QUEENSLAND, OCTOBER 1993 ('000)

<i>Selected main sports and physical recreational activities</i>	<i>More than once per week</i>	<i>Once per week</i>	<i>Less than once per week</i>	<i>Total</i>
Aerobics, aquarobics	120.3	42.6	8.3	171.2
Basketball	23.0	15.2	*2.3	40.4
Billiards/snooker/pool	26.0	18.8	16.9	61.6
Bushwalking	5.9	10.5	51.8	68.3
Cricket	17.1	17.0	*3.7	37.8
Cycling, BMX	60.7	12.1	7.4	80.1
Dancing (dancesport, formal ballroom, etc.)	12.5	10.4	8.4	31.3
Dancing (social, disco, etc.)	15.6	20.1	32.5	68.2
Equestrian activities	17.9	6.9	9.4	34.2
Fishing	14.4	32.3	138.4	185.1
Golf	29.9	52.8	72.2	154.9
Gymnasium, body building, weight training	140.0	12.4	4.1	156.5
Indoor cricket	7.5	34.8	*1.4	43.7
Jogging, powerwalking, running	113.3	15.5	*3.6	132.3
Lawn bowls	24.1	20.2	6.9	51.2
Netball	17.9	43.3	*1.2	62.5
Rugby league	33.6	9.8	*2.8	46.2
Soccer	26.5	13.1	*1.6	41.2
Squash	15.4	30.2	9.1	54.8
Surf sports (surfing, windsurfing, etc.)	21.6	8.8	17.4	47.7
Swimming	136.9	40.5	22.5	199.9
Tennis	21.6	69.9	18.2	109.8
Ten pin bowling	5.7	35.6	6.3	47.5
Touch football	26.2	32.2	*2.9	61.3
Walking	399.4	38.4	16.0	453.8
Total (b)	1,013.8	616.1	446.1	(c) 1,451.7

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Total refers to persons who participated in any sport/physical recreational activity. (c) Persons may appear in different categories for frequency of participation for the different sports/physical recreational activities in which they participated, hence the component totals do not add to the overall total.

TABLE 9 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY WHETHER A MEMBER OF A CLUB/ASSOCIATION, QUEENSLAND, OCTOBER 1993

<i>Selected main sports and physical recreational activities</i>	<i>Yes</i>		<i>No</i>		<i>Total</i>
	<i>('000)</i>	<i>per cent</i>	<i>('000)</i>	<i>per cent</i>	<i>('000)</i>
Aerobics, aquarobics	79.1	46.2	92.0	53.8	171.2
Basketball	23.3	57.7	17.1	42.3	40.4
Billiards/snooker/pool	6.6	10.7	55.0	89.3	61.6
Bushwalking	*3.7	*5.5	64.5	94.5	68.3
Cricket	20.5	54.1	17.4	45.9	37.8
Cycling, BMX	7.6	9.5	72.5	90.5	80.1
Dancing (dancesport, formal ballroom, etc.)	8.4	26.7	22.9	73.3	31.3
Dancing (social, disco, etc.)	8.6	12.6	59.6	87.4	68.2
Equestrian activities	19.1	55.8	15.1	44.2	34.2
Fishing	12.9	7.0	172.2	93.0	185.1
Golf	79.8	51.5	75.1	48.5	154.9
Gymnasium, body building, weight training	89.6	57.2	66.9	42.8	156.5
Indoor cricket	24.3	55.5	19.4	44.5	43.7
Jogging, powerwalking, running	11.8	8.9	120.5	91.1	132.3
Lawn bowls	49.5	96.7	*1.7	*3.3	51.2
Netball	41.5	66.4	21.0	33.6	62.5
Rugby league	34.4	74.4	11.8	25.6	46.2
Soccer	27.9	67.8	13.3	32.2	41.2
Squash	23.8	43.5	31.0	56.5	54.8
Surf sports (surfing, windsurfing, etc.)	*2.0	*4.2	45.7	95.8	47.7
Swimming	24.9	12.5	175.0	87.5	199.9
Tennis	36.5	33.3	73.3	66.7	109.8
Ten pin bowling	32.2	67.7	15.4	32.3	47.5
Touch football	42.0	68.5	19.3	31.5	61.3
Walking	*4.0	*0.9	449.8	99.1	453.8
Total (b)	690.0	47.5	1,182.7	81.5	(c) 1,451.7

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Total refers to persons who participated in any sport/physical recreational activity. (c) Persons may appear in different categories for membership of a club or association for the different sports/physical recreational activities in which they participated, hence the component totals do not add to the overall total.

TABLE 10 — PERSONS AGED 15 YEARS AND OVER WHO PARTICIPATED: SELECTED MAIN SPORTS AND PHYSICAL RECREATIONAL ACTIVITIES (a) DURING THE PREVIOUS 12 MONTHS BY TOTAL ANNUAL COST OF PARTICIPATION, QUEENSLAND, OCTOBER 1993
(^{'000})

<i>Selected main sports and physical recreational activities</i>	<i>No cost</i>	<i>Less than \$100</i>	<i>\$100 - \$299</i>	<i>\$300 - \$499</i>	<i>\$500 - \$999</i>	<i>\$1000 or more</i>	<i>Don't know</i>	<i>Total</i>
Aerobics, aquarobics	13.7	30.5	55.4	32.5	27.1	8.6	*3.5	171.2
Basketball	9.6	9.0	10.1	*3.6	5.5	**0.8	*1.7	40.4
Billiards/snooker/pool	18.3	16.5	14.8	4.4	4.2	*2.6	**0.8	61.6
Bushwalking	41.1	10.2	11.9	*1.5	*1.6	*1.5	**0.5	68.3
Cricket	11.0	5.1	12.3	**0.3	*2.2	*3.5	*3.5	37.8
Cycling, BMX	32.1	17.4	15.3	4.4	5.4	4.9	**0.6	80.1
Dancing (dancesport, formal ballroom, etc.)	6.2	6.3	8.0	*3.5	*2.6	*3.2	*1.6	31.3
Dancing (social, disco, etc.)	19.1	9.6	14.8	5.8	10.2	6.4	*2.2	68.2
Equestrian activities	8.2	*3.8	5.0	*2.8	*2.4	10.3	*1.8	34.2
Fishing	29.8	42.6	48.1	17.1	17.8	21.0	8.8	185.1
Golf	10.1	20.0	31.2	22.2	40.1	27.0	4.2	154.9
Gymnasium, body building, weight training	33.3	17.5	49.9	26.7	16.5	6.9	5.6	156.5
Indoor cricket	*1.7	*2.8	16.8	11.0	7.1	*2.1	*2.2	43.7
Jogging, powerwalking, running	62.6	19.7	38.9	*2.9	*3.4	*2.6	*2.2	132.3
Lawn bowls	*1.1	5.4	15.9	11.0	13.3	*2.9	*1.5	51.2
Netball	7.7	12.7	24.3	6.1	8.5	*2.8	**0.5	62.5
Rugby league	12.9	12.2	12.8	*3.1	**—	*1.2	*4.0	46.2
Soccer	11.4	7.3	14.6	*2.0	*3.9	*1.5	**0.5	41.2
Squash	*3.0	12.9	16.3	9.9	8.8	*2.8	**1.0	54.8
Surf sports (surfing, windsurfing, etc.)	15.2	10.3	7.2	7.1	5.6	*2.3	**—	47.7
Swimming	72.3	69.2	33.6	12.5	6.2	*2.5	*3.5	199.9
Tennis	11.8	23.8	42.1	13.1	12.8	*4.0	*2.2	109.8
Ten pin bowling	**0.7	6.4	*3.9	5.4	22.2	6.5	*2.5	47.5
Touch football	9.3	18.1	21.8	9.1	*2.4	**—	**0.5	61.3
Walking	308.3	104.7	31.6	4.5	*1.5	**—	*3.2	453.8
Total (b)	665.9	503.6	540.6	245.7	243.2	151.4	56.0	(c) 1,451.7

(a) Persons may appear in more than one category for type of sport/physical recreational activity. (b) Total refers to persons who participated in any sport/physical recreational activity. (c) Persons may appear in different categories for total annual cost of participation for the different sports/physical recreational activities in which they participated, and hence the component totals do not add to the overall total.

TABLE 11 — PERSONS AGED 15 YEARS AND OVER WHO WANTED TO PARTICIPATE IN A SPORT OR PHYSICAL RECREATIONAL ACTIVITY: SPORT/ACTIVITY MOST PREFERRED (a) DURING THE PREVIOUS 12 MONTHS BY MAIN REASON FOR NON-PARTICIPATION, QUEENSLAND, OCTOBER 1993
(^{'000})

<i>Sport/physical recreational activity most preferred</i>	<i>Lack of facilities/ opportunity, etc.</i>	<i>Injury/illness/ other physical incapacity</i>	<i>No time/ too busy</i>	<i>Cost/too expensive</i>	<i>Other reasons</i>	<i>Total</i>
Aerobics, aquarobics	6.1	*2.0	22.9	7.7	9.3	47.9
Aviation sports	*1.3	**2	4.3	7.7	**—	13.6
Basketball	4.2	*1.4	7.5	**—	*3.1	16.3
Dancing (social, disco, etc.)	**0.5	*1.4	8.2	**—	*2.5	12.6
Fishing	*2.5	*1.9	17.4	4.4	*2.2	28.4
Golf	*3.5	12.5	22.7	*3.9	7.0	49.5
Gymnasium, body building, weight training	*3.4	*3.6	14.5	8.2	4.9	34.5
Ice/snow sports (ice hockey, etc.)	4.4	**0.7	*2.4	8.5	*1.4	17.4
Lawn bowls	*2.0	4.3	5.5	4.2	*1.6	17.7
Martial arts	6.9	**0.2	8.1	*1.7	*2.7	19.6
Motor sports	**0.6	**0.6	4.6	11.7	**—	17.5
Netball	*2.0	5.2	7.3	*2.7	*1.9	19.1
Rugby league	*1.6	7.0	4.7	**0.6	6.3	20.2
Sailing/yachting	*2.7	**—	7.2	4.4	*1.1	15.4
Squash	*2.4	4.2	15.6	*1.3	*1.4	25.0
Swimming	7.0	7.1	18.1	*2.6	7.4	42.3
Tennis	4.1	15.9	35.5	**0.4	8.3	64.2
Ten pin bowling	*4.0	5.6	5.3	*2.1	**0.8	17.8
Touch football	*3.0	*1.7	6.3	*2.1	*3.0	16.1
Walking	**0.3	5.6	11.2	**—	4.9	22.1
Other	46.2	28.7	86.2	17.2	21.4	199.8
Total	108.9	109.9	315.5	91.5	91.3	(b) 720.4

(a) Excluding sports/physical recreational activities in which the person did participate. (b) Persons who responded that they would have liked to participate in a sport/physical recreational activity during the previous 12 months, but who did not specify a particular sport/activity are shown in the overall total but do not appear in the table otherwise. Hence the component totals will not add to the overall total.

EXPLANATORY NOTES

Introduction

This publication summarises the results of a survey concerning participation in sporting and physical recreational activities, which was conducted throughout Queensland in October 1993, as a supplement to the national monthly population survey. The survey was carried out at the request of the Queensland Department of Tourism, Sport and Racing.

2. The aim of the survey was to overcome the lack of comprehensive statistics available relating to participation in sporting and physical recreational activities. The data obtained from this survey will aid the Queensland Government and sporting bodies in their attempts to formulate and implement more appropriate policies and strategies for the promotion and development of sports and physical recreational activities throughout Queensland.

Monthly population survey

3. For a detailed outline of the monthly population survey design, scope and coverage, readers should obtain a copy of any recent edition of the ABS publication *The Labour Force, Australia* (6203.0).

4. The monthly population survey is made up of the labour force survey and for most months of the year, a supplementary topic.

Supplementary survey

Survey design

5. This supplementary survey was conducted using seven-eighths of the full sample of *private* dwellings and caravans in caravan parks in Queensland that were included in the monthly population survey.

6. Information was collected by personal interview from one randomly selected person aged 15 years or over in each household.

Scope

7. For the supplementary survey, usual residents of private dwellings and usual residents of caravans in caravan parks were in scope. All visitors and persons living in special dwellings, except caravans in caravan parks, were excluded.

Definitions

8. *Sporting and physical recreational activities.* This includes activities organised by sporting clubs and associations or activities organised on an informal/social basis which were undertaken by an individual for fitness and health. Walking for pleasure or walking as part of a

job, e.g. walking to make letter box drops, etc. was excluded.

9. *Participation.* This includes anyone regularly involved in a sporting or physical recreational activity as a social player or for personal fitness, formal competitors, paid or unpaid coaches, officials and/or administrators or any other volunteer associated with a club, association or team. Spectators were excluded.

10. *Participation rate.* This is the total number of persons in a specified category who participated in a sport/physical recreational activity as a proportion of the total number of persons in that particular category.

11. *Regular.* This includes activities which were done on a recurring basis e.g. daily, weekly, every summer. Activities done even once a year, but which are done regularly, e.g. snow skiing, as well as activities which were done regularly earlier in the period but which had been discontinued at the time of the interview were also included. However, those activities which were once off experiences and which are unlikely to be repeated in the next year are excluded.

12. *Previous 12 months.* This refers to the period between 1 October 1992 and 30 September 1993.

13. *Main sports and physical recreational activities.* If a respondent specified that they regularly participated in more than three sports or physical recreational activities, they were asked to select the three sports/physical recreational activities on which they spent the most time, or the ones which were undertaken most frequently.

14. *Personal fitness/social participant.* This refers to participation by an individual or a group in an activity for the purpose of improving or maintaining fitness and/or maintaining social contact.

15. *Formal competitor.* This refers to a registered member of a sporting organisation who actually competes in the sport or activity.

16. *Official or administrator.* This refers to any person who officiates, e.g. a referee, umpire, linesperson, etc. or any person who holds the position of Executive officer, Secretary, Treasurer, etc. of a sporting organisation.

17. *Other volunteer.* This refers to any person who helps with ancillary activities associated with running a club/association/team e.g. unpaid mowing of lawns, staffing a kiosk, providing transport, etc.

18. *Frequency of participation.* This includes the playing of matches, etc. and/or training sessions. Training sessions can be either individual practice or organised team training.

EXPLANATORY NOTES — *continued*

19. *Total annual cost of participation.* This includes any membership fees for sporting clubs or associations, all money spent on equipment or clothing used specifically for that sport/physical recreational activity (including items received as presents) and average session costs, e.g. court hire fees, equipment hire fees and registration fees. (Note that the average session costs were multiplied by the frequency of participation and the number of months in which participation occurred to obtain an estimate of the amount of money spent annually on session costs.)

Related publications

20. Users may also wish to refer to the following publications which are available through the ABS Bookshop in any State:

Population Survey Monitor, Australia, August 1993, November 1993 and February 1994 (4103.0)

Participation in Sporting and Recreational Physical Activities, Urban Northern Territory, October 1991 (4108.7)

Sports Participation, Victoria, October 1989 (4118.2).

Involvement in Sport, Australia, March 1993 (6285.0).

21. Current publications produced by the ABS are contained in the *Catalogue of Publications and Products* (1101.0). The ABS also issues the *Publications Advice* (1105.0) on Tuesdays and Fridays which lists

publications to be released in the next few days. Both the *Catalogue* and the *Publications Advice* are available from any ABS office.

Unpublished statistics

22. As well as the statistics included in this publication, the ABS may have other relevant unpublished data available. Inquiries should be made to the contact shown at the front of this publication.

Symbols and other usages

— nil or rounded to zero (including null cells).

* Estimate is subject to a relative standard error of between 25 and 50 per cent and should be treated with caution.

** Estimate is subject to sampling variability too high for most practical purposes (more than 50 per cent). Refer to Technical Notes for further details.

23. Where figures have been rounded, discrepancies may occur between totals and the sums of the component items.

TECHNICAL NOTES

Estimation procedure

The figures contained in this publication are estimates based on a sample of 4,425 persons from separate households. (For further details of how the sample was chosen, see Explanatory Notes.)

2. Estimates are derived from the monthly population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself. Adjustments are made for this State Supplementary Survey to take into account the effect of selecting only one person per household and using a seven-eighths sample.

Data quality

3. The estimates derived from any sample survey, such as the Survey of Participation in Sporting and Physical Recreational Activities, are subject to two types of error:

(i) *Sampling errors.* These are any inaccuracies in the estimates that occur because a sample was used rather than a complete count of the population.

(ii) *Non-sampling errors.* Inaccuracies may also occur because of imperfections in reporting by respondents (in particular recall error over the previous 12 months) and mistakes in recording by interviewers, as well as any errors made in coding and processing the data. These mistakes, which can occur in any enumeration whether it be a census or a sample, are called non-sampling errors. Every effort is made to reduce the non-sampling error to a minimum by careful design of the questionnaire, intensive training and supervision of interviewers and carefully controlled operating procedures.

Estimates of sampling error

Standard error of estimates

4. One measure of the variability of estimates which occurs as a result of surveying only a sample of the population is the *standard error*.

5. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all persons had been included in the survey, and about 19 chances in 20 that the difference will be less than two standard errors.

6. The standard errors for the estimates of persons contained in this publication are shown in Table A. The

technique of linear interpolation can be used to calculate the approximate standard error of estimates falling between the sizes of estimates listed in the table.

Relative standard error

7. When a standard error is expressed as a percentage of the estimate to which it refers, it is known as the *relative standard error*.

8. The relative standard error is a useful measure in that it provides an immediate indication of the percentage errors that are likely to have occurred due to sampling. As can be seen from Table A, the smaller the estimate, the higher the relative standard error.

9. In this publication, only estimates with relative standard errors of 25 per cent or less are considered sufficiently reliable for most purposes. Estimates with relative standard errors greater than 25 per cent (fewer than 4,020 persons) but less than or equal to 50 per cent (1,070 persons or more) are preceded by an asterisk (e.g. *2,500) to indicate that they should be used with caution. Estimates which involve relative standard errors of more than 50 per cent (fewer than 1,070 persons) are considered too volatile to be of reasonable use, and their presence is indicated by a double asterisk (e.g. **700).

10. A more detailed explanation of standard errors can be found in the Technical Notes of *The Labour Force, Australia* (6203.0).

TABLE A - PARTICIPATION IN SPORTING AND PHYSICAL RECREATIONAL ACTIVITIES, QUEENSLAND: STANDARD ERRORS

<i>Size of estimate (persons)</i>	<i>Standard error</i>	<i>Relative standard error (%)</i>
500	360	72.0
1,000	520	52.0
1,200	560	46.7
1,400	610	43.6
1,600	650	40.6
1,800	690	38.3
2,000	720	36.0
2,500	800	32.0
3,000	880	29.3
4,000	1,000	25.0
5,000	1,100	22.0
6,000	1,200	20.0
8,000	1,400	17.5
10,000	1,500	15.0
20,000	2,050	10.3
50,000	3,050	6.1
100,000	4,050	4.1
200,000	5,300	2.7
500,000	7,500	1.5
1,000,000	9,600	1.0
2,000,000	12,100	0.6
5,000,000	16,400	0.3

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