



Sport Participation Rates- Aggregation of 12 sports, Victoria 2017

A report prepared for

Sport and Recreation Victoria and VicHealth
through the Sport Participation Research Program

May 2019



Rates of Participation in Club-Based Sport

This report provides the results of an analysis of participation during 2017 in Victorian club-based sport. It combines data from Victorian State Sporting Associations (SSAs) for 12 major sports: **Australian Football League, Basketball, Bowls, Cricket, Football (Soccer), Golf, Gymnastics, Hockey, Netball, Sailing, Swimming, and Tennis.**

A participant, or player, is defined as a registered member of a Victorian sporting club that was affiliated with one of the 12 SSAs, in the 2017 registration year designated by each sport, who was aged between 4 and 100 years and resided in Victoria. These SSAs recorded a total of 1,112,369 player registrations in 2017. In order to provide consistency across all breakdowns by region, sex and age, those for whom residential postcode, sex or birthdate was missing or invalid (12.3% of registrations; see Table 1 for more detail) were excluded from the analysis, and adjustments to counts were made in postcodes that were partly allocated to a Local Government Authority (LGA) outside Victoria (see the note on data accuracy on page 28 of this report). **This report provides a summary of the 972,927 player registrations** for which complete and valid data were recorded. Registration data were provided by each SSA in anonymized form. Consequently, it should be noted that, because a person could be a registered player of more than one sport, and an individual player's data could not be linked across sports, when data for multiple sports are combined the total number of registrations is greater than the number of individual players.

The variable tabulated and graphed, for Victoria as a whole and for each sex and/or geographical region, is the age-specific participation rate, defined as the number of player registrations in each age range, expressed as a percentage of the estimated resident population (ERP) in that age range, as at 30 June 2017 (Australian Bureau of Statistics), 2018.

The report also includes comparisons between 2017 data and data from the two previous years of the Sport Participation Research Project.

List of Tables and Figures

Summary of the data analysed

Table 1 shows the numbers of registered participants in each sport for 2015-2017.

Data aggregated across sports – 2017

Table 2 shows summary of participation rate changes 2015-2017

Table 3 shows participation counts and rates, and also provides a key to the particular profiles displayed in each of figures 1-5.

Figure 1 shows the overall participation rates for Victoria.

Figure 2 shows the participation rates for each sex.

Figure 3 shows the participation rates for the four Victorian regions defined on page 42 of this report.

Figures 4a-4d show, separately for each region, the participation rates for each sex.

Figures 5a and 5b show, separately for each sex, the participation rates for each region.

Data aggregated across sports – 2015-2017 comparisons

Table 4 shows comparative participation counts and rates for 2015-2017.

Figure 6 shows comparative participation rates for Victoria for 2015-2017.

Table 5 shows participation rates for each Local Government Area (LGA) for 2016-2017.

Figure 7 shows the 2017 participation rate in each LGA, in rank order within each of the four Victorian regions.

Data for individual sports – 2017

Figure 8 shows participation rates for Victoria for the 12 separate sports.

Data for individual sports – modified and social recreation programs

Figure 9 shows program profiles for registered participants 2016

Figure 10 shows program profiles for registered participants 2017

Results

Data Quality

- Table 1 summarises the total participant numbers provided by each SSA and the number able to be used in the Sport Participation Research Project (SPRP) reports. In 2017 1,112,369 participant records were provided, of which 975,249 (87.7%) were complete with regard to date of birth, sex and postcode. After further exclusions relating to border effects (see data accuracy note on page 42), 972,927 records formed the basis of this report; the proportions of complete records were similar in 2015 and 2016. Over 2015-2017, 3,142,877 participant records were provided, of which 2,748,857 were complete. Whilst eight of the included sports have good quality player data management systems, four sports had particularly high proportions of missing data in 2017.

Overall participation 2017

- The integration of data from all 12 included sports shows that overall participation peaked for ages 10-14 years, representing a participation rate of 67.5%. Approximately one quarter of 4 year olds (22.1%) were participants (Table 3, Figure 1).
- After the peak at 10-14 years the participation rate dropped by more than half for the next age group 15-19 years, representing a participation rate of 32.3%. There was another large decline (to 15.1%) in the next age group 20-24 and then a steady progressive decline until a small rebound at ages 65-79 years. From ages 30-85+ fewer than 10% of Victorians participated in these sports (Figure 1).

Sex

- Participation rates were higher for males than females in all age groups (Figure 2). Overall, the male participation rate (20.3%) was approximately double that of the female (10.6%).
- The largest difference in participation rates was for the 5-9 and 10-14 year age groups. Male participation rate for ages 5-9 (67.1%) female (45.5%) and for ages 10-14 years males (79.3%) and females (55.0%).
- While the participation rates beyond age 19 were much lower, the difference between male and female participation rates was proportionally greater, with the male rates being more than double the female rates in all age groups.
- Notwithstanding the large discrepancies between rates of participation, the profile across the lifespan was similar for both males and females.

Region

- For all ages, except 4 year olds, participation rates were higher in regional areas than metropolitan areas (Figure 3).
- For the very young (age 4) the highest participation rate of 25.3% was within *Metropolitan – Other*. For ages 5 to 49 years the highest participation rates were within *Regional – Other*. For ages 55-84 years, the highest participation rates were in *Regional – Growth*.
- The highest participation rate recorded was 84.3% for 10-14 year olds in *Regional – Other*, followed by 10-14 year olds in *Regional – Growth* (73.2%) and *Metropolitan-Other* (73.1%).

Sex and Region

- The sex-specific age profiles of participation rates had broadly similar features across all regions. However, there were differences in the peak participation rates for males and females in each region (Figure 4a-4d).
- For males, the highest participation rates were within *Regional – Other* (96.2% for those aged 10-14 and 79.0% for those aged 5-9 years) (Table 2, Figure 4d). *Metropolitan-Other* and *Regional – Growth* participation rate for males aged 10-14 was also high at 85.3% and 84.7% respectively (Table 3, Figure 4c).
- Female participation within *Regional – Other* was also much higher than in *Metropolitan- Growth*. The highest female participation rate was 71.9% for 10-14 year olds, within *Regional – Other*, followed by 61.0% in *Regional – Growth* and 60.2% for *Metropolitan- Other* for the same age group (Figure 4c-4d).
- From the perspective of regional differences for each sex, the profiles of participation rates were similar in shape for males and females, but the male rates were consistently higher than the female rates (Figure 5a-5b).

Overall participation differences 2015-2017

- Overall the participation numbers increased each year from 2015-2017, with 125,765 more sports participants (with valid data) in 2017 compared to 2015. This corresponds to a participation rate increase of approximately 1 percentage point (Table 4). The increase in participation rate was the same for males and females.
- Largest growth in participation rates overall were within the 10-14 year age group with an increase of 4.6 percentage points followed by 15-19 years with an increase of 3.1 percentage points (Table 4).
- Largest growth in participation rate for males were within the 15-19 year age group with an increase of 4.4 percentage points followed by 10-14 year age group with an increase of 3.6 percentage points (Table 4).

- Largest growth in participation rate for females were within the 5-9 year age group with an increase of 6.5 percentage points followed by 10-14 year age group with an increase of 5.6 percentage points (Table 4).
- The profile of sport participation in Victoria changed little between 2015 and 2017. However, overall there was a slightly higher participation rate for participants aged 5-19 in 2017 compared to 2015 (Figure 6).
- The region with highest participation growth was *Regional-Growth* with an overall increase of 2.4 percentage points and males an increase of 3.1 percentage points and females 1.8 percentage points. *Metropolitan-other* had an overall increase of 1.4 percentage points and very similar for males and females. *Regional-other* had an overall increase of 1.1 percentage points and very similar for males and females. *Metropolitan-growth* had the lowest overall growth of 0.1 percentage points and decrease rate for males of -0.2 percentage points and a slight increase for females of 0.5 percentage points.

LGAs

- There was considerable variation in participation rates across Victorian LGAs, and between LGAs within the four designated regions (Table 5, Figure 7).
- The lowest participation rate was 5.9% in Greater Dandenong, in *Metropolitan – Other*. The lowest participation rates in the other regions were as follows: *Metropolitan – Growth*: Melton, 8.9%; *Regional – Other*: Wodonga, 15.0%; and *Regional – Growth*: Moorabool, 16.9%.
- The highest participation rate was 38.6% in Buloke Shire, in *Regional – Other*. The highest participation rates of the other regions were as follows: *Regional – Growth*: Surf Coast, 28.6%; *Metropolitan – Other*: Bayside, 29.0%; and *Metropolitan – Growth*: Cardinia, 15.3%.
- For all four regions there was a fairly steady trend ranging from the lowest participation to the highest. However in the regional growth areas, the highest participation rate (Surf Coast) was considerably higher than the next highest (Baw Baw).

Specific Sports

- For seven of the 12 sports (Sport E, Sport A, Sport I, Sport C, Sport G, Sport L and Sport K), there was a peak in participation rate at age 10-14, and for two sports (Sport D and Sport F), the peak age of participation was 5-9 years. Sport K had a lesser peak in middle age (45-49 years). Three sports had peaks in older ages, with Sport B peaking at ages 60-69 years, Sport J at ages 65-69 and Sport H at ages 75-79 (Figure 8).
- For the majority of sports there was a sharp drop in the participation rate at ages 15-19 immediately after the peak at 10-14 years (Figure 8).
- The highest participation rate was 18.4% for Sport E at age 10-14 years, followed by Sport D with 14.8% at age 5-9 years (Figure 8).

- Whilst there were substantial differences in participation rates for different sports among young children and adolescents, by age 25-29 participation rates were below 4% for all sports (Figure 8).
- Based upon the integration of all sports, age-related participation was approximately the same in 2017 as in the previous year. However, individual sports exhibited different patterns of change from 2015 to 2017.

A summary of the sport specific differences (Table 2) is:

- Six sports had an increased participation rate in 2017 compared to 2015. For four sports participation remained the same (or less than 0.05% different). For those who increased participation, this was generally for the younger age groups.

Sport-specific program profiles

- Sport were asked to provide details of their social recreation programs in 2016 and 2017. Six sports provided participant data for their social programs in 2016. Three sports provided this data in 2017 (Figure 9-10).

Table 1. Numbers of registered players, 2015-2017, Victoria: by sport

Sport	2015			2016			2017			Change from 2015 to 2017			
	Players	% excluded	Players with complete data ³	Players	% excluded	Players with complete data ³	Players	% excluded	Players with complete data ³	Players	% change ^{1,2}	Players with complete data	% change ^{1,2}
Sport A	112,054	4.1	107,504	115,479	4.8	109,916	116,364	4.4	111,247	4,310	3.8	3,743	3.5
Sport B	21,563	27	15,739	27,678	21.1	21,845	24,192	33.3	16,124	2,629	12.2	385	2.4
Sport C	20,970	5.4	19,848	19,824	6.6	18,521	20,874	5	19,838	-96	-0.5	-10	-0.1
Sport D	172,135	2.5	167,828	187,777	2.6	182,971	197,894	2.4	193,222	25,759	15	25,394	15.1
Sport E	167,508	4.8	159,410	204,049	5.2	193,531	219,088	4.8	208,630	51,580	30.8	49,220	30.9
Sport F	47,015	24.2	35,615	52,556	14	45,202	59,018	13.6	50,974	12,003	25.5	15,359	43.1
Sport G	64,089	1.7	62,991	70,135	1.5	69,107	68,965	1.6	67,896	4,876	7.6	4,905	7.8
Sport H	45,606	17.5	37,644	39,386	18.4	32,148	43,471	20.7	34,461	-2,135	-4.7	-3,183	-8.5
Sport I	110,730	6.2	103,914	105,518	5.8	99,367	103,668	6	97,492	-7,062	-6.4	-6,422	-6.2
Sport J	89,554	32	60,884	89,688	30.7	62,132	119,351	31.6	81,651	29,797	33.3	20,767	34.1
Sport K	122,390	42.9	69,833	127,306	36.7	80,546	128,135	35.5	82,648	5,745	4.7	12,815	18.4
Sport L	8,509	2.1	8,330	8,989	2.3	8,782	11,349	2.5	11,066	2,840	33.4	2,736	32.8
Total	982,123	13.5	849,540	1,048,385	11.9	924,068	1,112,369	12.3	975,249	130,246	13.3	125,709	14.8

¹ Change in the number of players from 2015 to 2017 as a fraction of 2015 players. This takes no account of change in the population and so it is not the change in the participation rate.

² For some sports, the calculated changes are influenced by differences in the scope, completeness or accuracy of membership data for the three years.

³ Complete player numbers do not take into account the 'border effect' (see data accuracy note on page 43)

Table 2: Summary of participation rate changes 2015-2017

Sport	Percentage point shift	Stand-out age group	Sub-group that bucked the overall trend
Sport A	↔		
Sport B	↔		
Sport C	↔		
Sport D	↑	10 to 19 years	
Sport E	↑	10 to 19 years	
Sport F	↑	4-14 years	
Sport G	↔		
Sport H	↓		
Sport I	↓		Females 10 to 14 years
Sport J	↑	70 years+	
Sport K	↑	4 to 9 years	
Sport L	↑	10-19, 40-54 years	

Table 3. Participation counts¹ and rates², 2017, Victoria: by region, sex and age

Region	Sex	Figure		Age range																	Total	
				4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+
Victoria	Persons	1	n	18,189	223,686	245,399	121,010	70,481	52,073	36,521	31,390	28,563	26,905	21,484	19,325	19,097	20,982	17,343	11,735	6,251	2,494	972,927
			ERP ³	82,289	395,365	363,542	374,094	466,003	500,215	491,274	437,126	412,676	422,823	386,860	374,208	331,405	295,308	237,450	172,285	122,444	130,216	6,320,749
			Rate (%)	22.1	56.6	67.5	32.3	15.1	10.4	7.4	7.2	6.9	6.4	5.6	5.2	5.8	7.1	7.3	6.8	5.1	1.9	15.4
	Males	2	n	11,497	136,337	148,265	79,894	50,548	38,509	27,088	22,261	19,417	18,596	15,332	13,920	13,340	14,373	11,762	8,109	4,311	1,695	635,251
			ERP ³	42,386	203,183	186,857	191,205	238,575	249,728	243,007	217,984	204,761	205,435	188,904	182,617	160,431	143,234	115,409	81,101	54,399	49,238	3,125,466
			Rate (%)	27.1	67.1	79.3	41.8	21.2	15.4	11.1	10.2	9.5	9.1	8.1	7.6	8.3	10.0	10.2	10.0	7.9	3.4	20.3
	Females	2	n	6,692	87,349	97,134	41,115	19,933	13,564	9,433	9,129	9,146	8,309	6,152	5,406	5,757	6,609	5,581	3,626	1,940	800	337,676
			ERP ³	39,901	192,182	176,685	182,889	227,428	250,487	248,267	219,142	207,915	217,388	197,956	191,591	170,974	152,074	122,041	91,184	68,045	80,978	3,195,283
			Rate (%)	16.8	45.5	55.0	22.5	8.8	5.4	3.8	4.2	4.4	3.8	3.1	2.8	3.4	4.3	4.6	4.0	2.9	1.0	10.6
Metropolitan Growth	Persons	3	n	3,286	35,254	37,219	18,775	11,453	8,332	6,101	5,392	4,074	3,163	2,179	1,685	1,575	1,625	1,245	776	348	94	142,576
			ERP ³	22,199	102,107	87,326	82,225	90,672	100,155	113,927	104,335	90,616	85,533	74,648	66,821	55,728	45,761	33,643	22,228	14,435	12,206	1,292,875
			Rate (%)	14.8	34.5	42.6	22.8	12.6	8.3	5.4	5.2	4.5	3.7	2.9	2.5	2.8	3.6	3.7	3.5	2.4	0.8	11.0
	Males	4a, 5a	N	2,108	22,597	24,116	13,077	8,500	6,311	4,595	3,947	2,840	2,328	1,642	1,309	1,206	1,192	904	571	255	79	97,576
			ERP ³	11,476	52,546	44,811	42,233	47,070	49,212	55,176	52,969	46,033	42,140	36,857	32,867	27,309	22,251	16,580	10,657	6,560	4,621	646,881
			Rate (%)	18.4	43.0	53.8	31.0	18.1	12.8	8.3	7.5	6.2	5.5	4.5	4.0	4.4	5.4	5.4	5.4	3.9	1.7	15.1
	Females	4a, 5b	N	1,178	12,658	13,103	5,698	2,953	2,021	1,506	1,445	1,235	835	537	376	369	434	341	205	93	15	45,000
			ERP ³	10,724	49,561	42,515	39,992	43,602	50,943	58,751	51,366	44,583	43,393	37,791	33,954	28,419	23,510	17,063	11,571	7,875	7,585	645,994
			Rate (%)	11.0	25.5	30.8	14.2	6.8	4.0	2.6	2.8	2.8	1.9	1.4	1.1	1.3	1.8	2.0	1.8	1.2	0.2	7.0
Metropolitan Other	Persons	3	n	10,287	123,013	133,910	62,033	36,853	27,610	18,687	16,112	15,790	16,269	13,284	11,617	10,837	11,363	9,350	6,079	3,314	1,558	527,963
			ERP ³	40,684	196,875	183,208	199,482	288,127	312,686	291,157	249,076	232,588	238,420	213,649	202,461	175,999	155,550	128,171	96,179	71,354	79,484	3,519,530
			Rate (%)	25.3	62.5	73.1	31.1	12.8	8.8	6.4	6.5	6.8	6.8	6.2	5.7	6.2	7.3	7.3	6.3	4.6	2.0	15.0
	Males	4b, 5a	N	6,361	74,680	80,379	40,410	26,578	20,831	14,513	11,948	11,107	11,370	9,649	8,421	7,691	7,935	6,467	4,351	2,300	1,020	346,012
			ERP ³	20,896	100,888	94,217	101,135	146,163	156,570	145,561	124,219	114,854	115,174	104,056	98,455	84,167	74,105	60,941	44,426	31,102	30,091	1,731,338
			Rate (%)	30.4	74.0	85.3	40.0	18.2	13.3	10.0	9.6	9.7	9.9	9.3	8.6	9.1	10.7	10.6	9.8	7.4	3.4	20.0
	Females	4b, 5b	N	3,927	48,333	53,531	21,623	10,274	6,779	4,173	4,163	4,682	4,899	3,634	3,196	3,146	3,429	2,883	1,728	1,014	538	181,951
			ERP ³	19,784	95,987	88,991	98,347	141,964	156,116	145,596	124,857	117,734	123,246	109,593	104,006	91,832	81,445	67,230	51,753	40,252	49,393	1,788,192
			Rate (%)	19.8	50.4	60.2	22.0	7.2	4.3	2.9	3.3	4.0	4.0	3.3	3.1	3.4	4.2	4.3	3.3	2.5	1.1	10.2

Region	Sex	Figure		Age range																	Total	
				4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+
Regional Growth	Persons	3	n	2,029	26,191	27,420	13,769	8,373	6,022	4,183	3,572	3,054	2,715	2,344	2,377	2,797	3,337	2,745	1,911	1,006	315	114,158
			ERP ³	8,304	40,314	37,462	38,052	40,938	39,684	38,693	36,662	37,631	39,847	38,233	39,589	36,886	34,767	28,349	19,927	13,830	14,750	615,175
			Rate (%)	24.4	65.0	73.2	36.2	20.5	15.2	10.8	9.7	8.1	6.8	6.1	6.0	7.6	9.6	9.7	9.6	7.3	2.1	18.6
	Males	4c, 5a	N	1,385	16,114	16,361	9,255	5,865	4,315	3,017	2,462	2,071	1,903	1,656	1,693	1,882	2,274	1,870	1,271	690	214	74,296
			ERP ³	4,383	20,712	19,325	19,582	20,822	19,727	18,961	17,815	18,307	19,206	18,367	18,942	17,711	16,789	13,735	9,422	6,187	5,353	301,313
			Rate (%)	31.6	77.8	84.7	47.3	28.2	21.9	15.9	13.8	11.3	9.9	9.0	8.9	10.6	13.5	13.6	13.5	11.1	4.0	24.7
	Females	4c, 5b	N	644	10,076	11,058	4,514	2,508	1,707	1,167	1,110	983	813	688	684	915	1,063	875	641	316	102	39,862
			ERP ³	3,918	19,602	18,137	18,470	20,116	19,957	19,732	18,847	19,324	20,641	19,866	20,647	19,175	17,978	14,614	10,505	7,643	9,397	313,862
			Rate (%)	16.4	51.4	61.0	24.4	12.5	8.6	5.9	5.9	5.1	3.9	3.5	3.3	4.8	5.9	6.0	6.1	4.1	1.1	12.7
Regional Other	Persons	3	n	2,586	39,228	46,851	26,434	13,803	10,108	7,550	6,315	5,645	4,757	3,677	3,647	3,887	4,657	4,004	2,969	1,584	528	188,231
			ERP ³	11,102	56,069	55,546	54,335	46,266	47,690	47,497	47,053	51,841	59,023	60,330	65,337	62,792	59,230	47,287	33,951	22,825	23,776	893,169
			Rate (%)	23.3	70.0	84.3	48.6	29.8	21.2	15.9	13.4	10.9	8.1	6.1	5.6	6.2	7.9	8.5	8.7	6.9	2.2	21.1
	Males	4d, 5a	N	1,643	22,946	27,409	17,153	9,605	7,051	4,963	3,904	3,399	2,995	2,384	2,497	2,560	2,973	2,521	1,915	1,066	383	117,367
			ERP ³	5,631	29,037	28,504	28,255	24,520	24,219	23,309	22,981	25,567	28,915	29,624	32,353	31,244	30,089	24,153	16,596	10,550	9,173	445,934
			Rate (%)	29.2	79.0	96.2	60.7	39.2	29.1	21.3	17.0	13.3	10.4	8.0	7.7	8.2	9.9	10.4	11.5	10.1	4.2	26.3
	Females	4d, 5b	N	943	16,282	19,442	9,281	4,198	3,057	2,588	2,411	2,245	1,762	1,293	1,151	1,327	1,684	1,483	1,053	518	145	70,863
			ERP ³	5,475	27,032	27,042	26,080	21,746	23,471	24,188	24,072	26,274	30,108	30,706	32,984	31,548	29,141	23,134	17,355	12,275	14,603	447,235
			Rate (%)	17.2	60.2	71.9	35.6	19.3	13.0	10.7	10.0	8.5	5.9	4.2	3.5	4.2	5.8	6.4	6.1	4.2	1.0	15.8

¹ Aggregated over 12 sports.

² Number of player registrations per 100 residents, expressed as a percentage.

³ ERP = Estimated resident population.

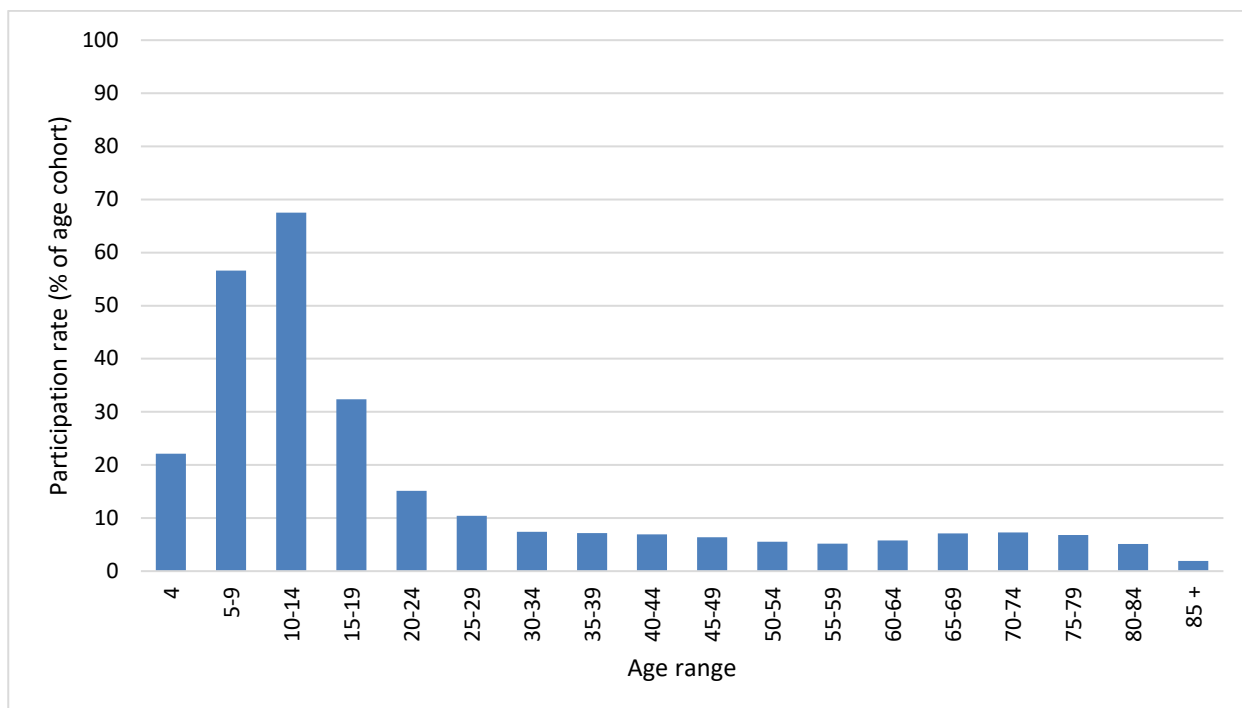


Figure 1. Participation rates, 2017, Victoria: by age

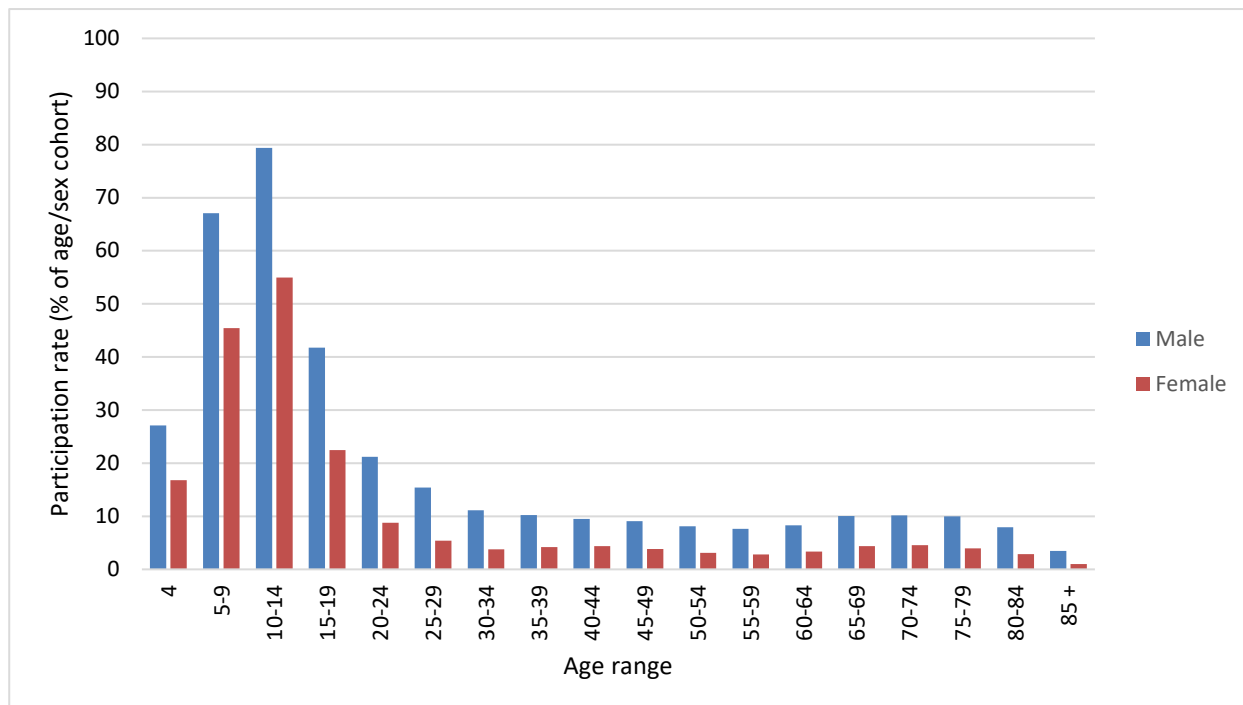


Figure 2. Participation rates, 2017, Victoria: by sex and age

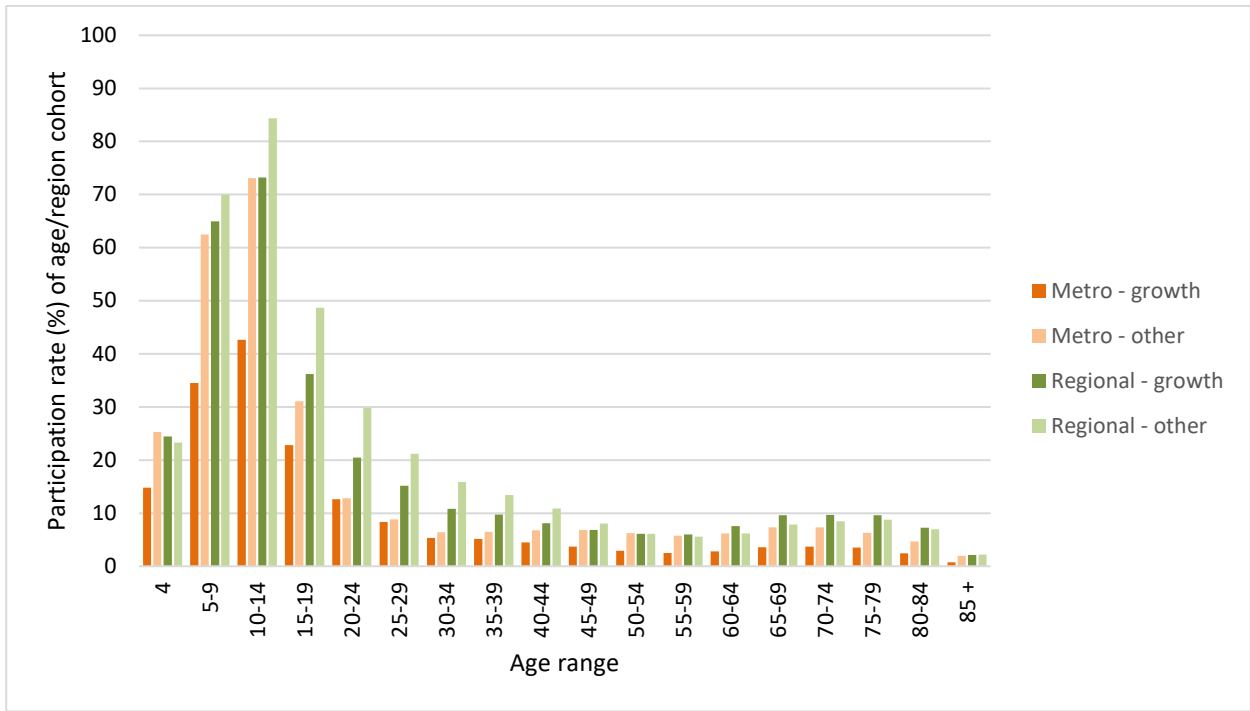


Figure 3. Participation rates, 2017, Victoria: by region and age

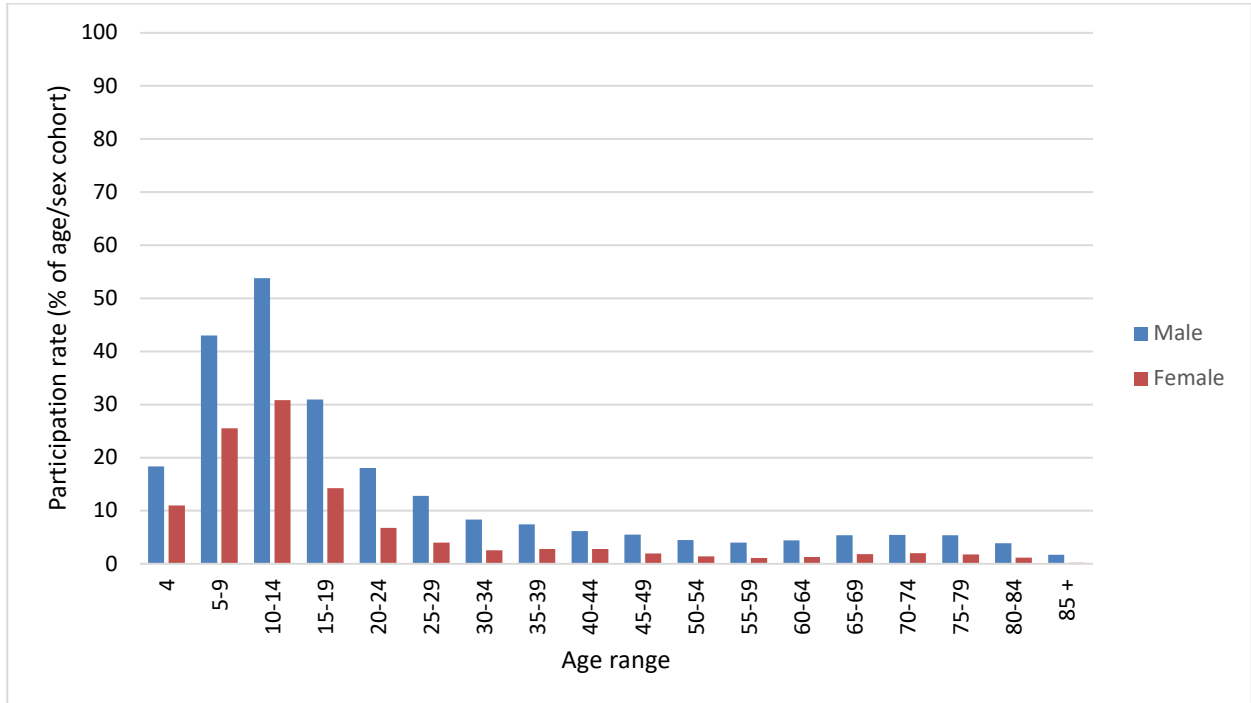


Figure 4a. Participation rates, 2017, Metropolitan – Growth: by sex and age

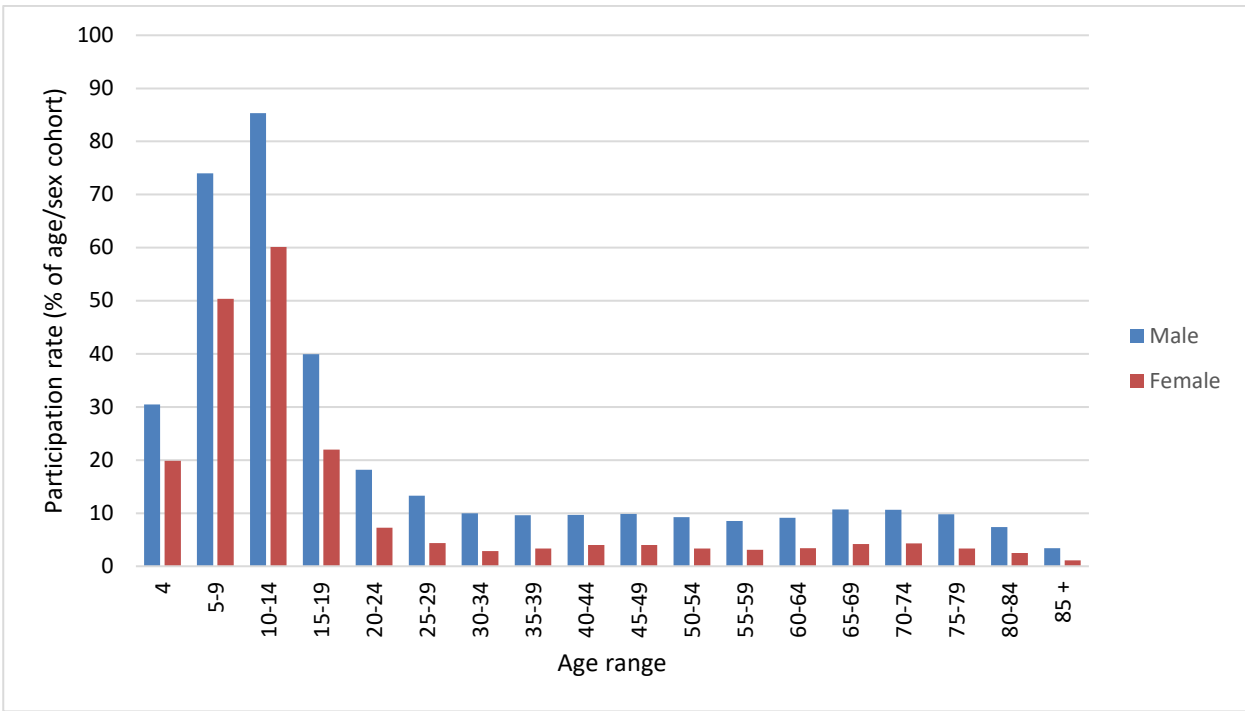


Figure 4b. Participation rates, 2017, Metropolitan – Other: by sex and age

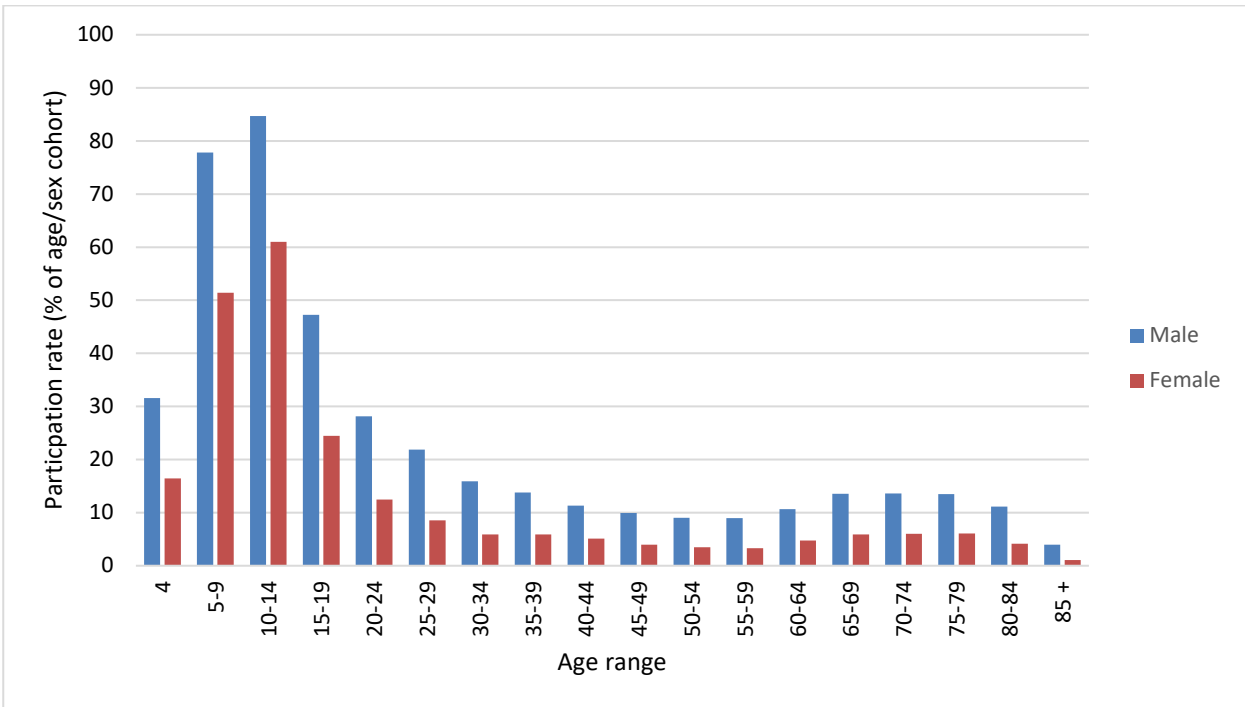


Figure 4c. Participation rates, 2017, Regional – Growth: by sex and age

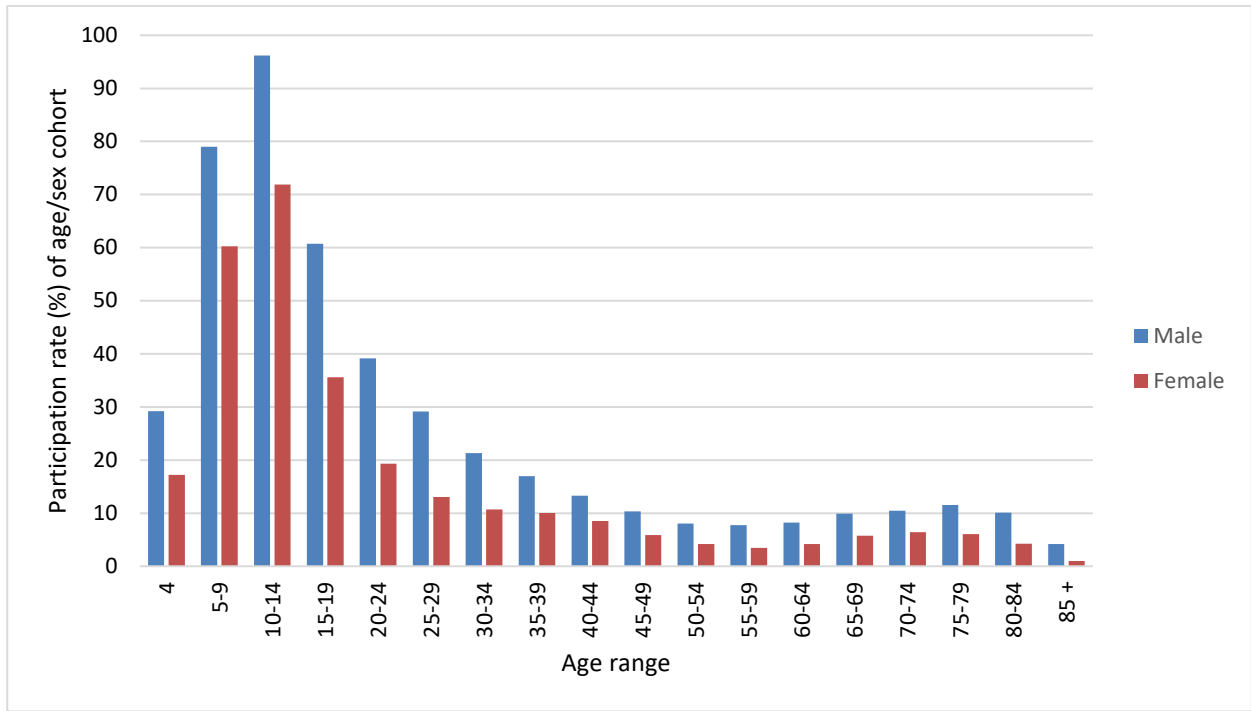


Figure 4d. Participation rates, 2017, Regional – Other: by sex and age

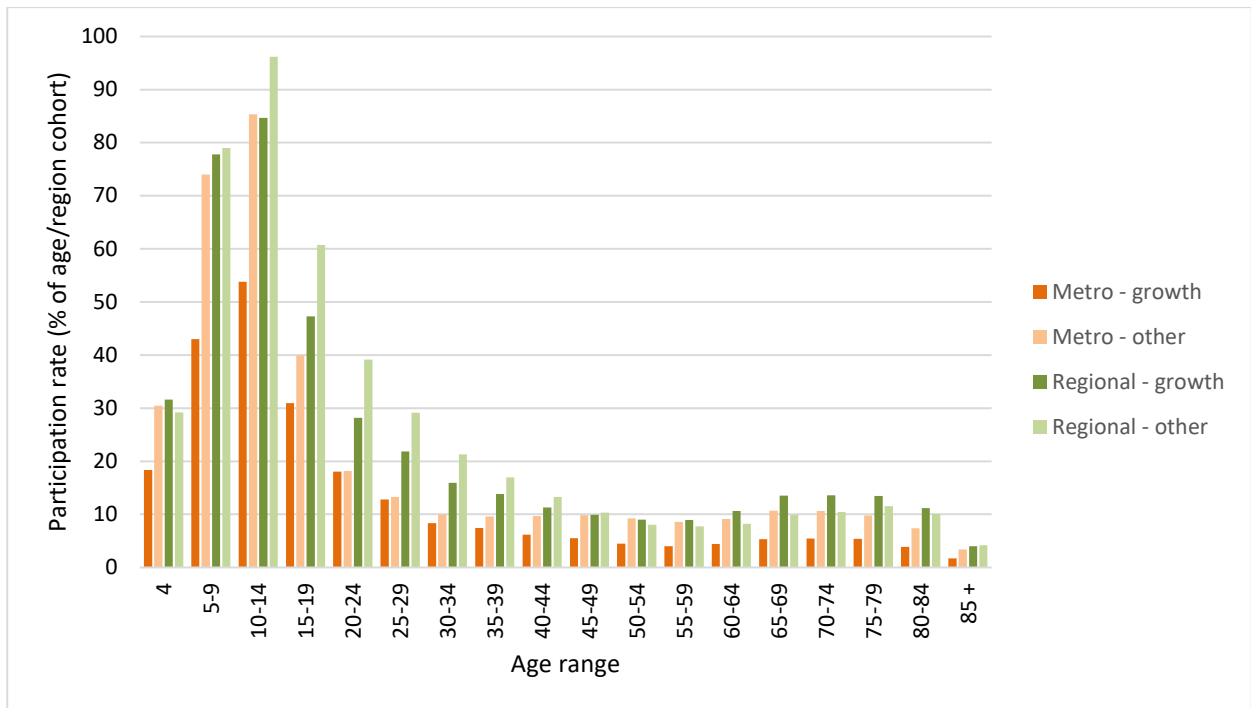


Figure 5a. Participation rates, 2017, males: by region and age

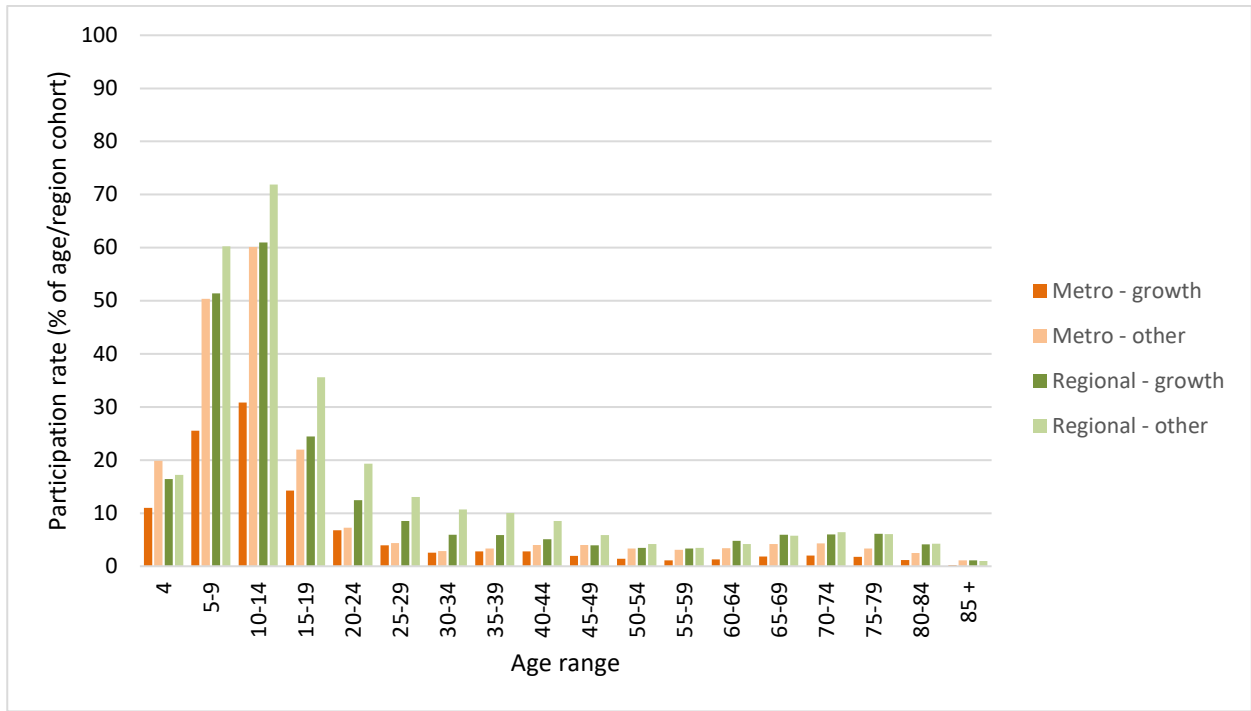


Figure 5b. Participation rates, 2017, females: by region and age

Table 4. Participation counts¹ and rates^{2,3}, 2015 - 2017, Victoria: by region, sex and age

Region	Sex		Age range																	Total	
			4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+
Victoria	Persons	n 2017	18,189	223,686	245,399	121,010	70,481	52,073	36,521	31,390	28,563	26,905	21,484	19,325	19,097	20,982	17,343	11,735	6,251	2,494	972,927
		n 2016	16,980	218,321	234,406	118,000	66,966	48,614	34,308	28,464	26,650	24,192	19,782	17,425	17,087	18,806	14,697	9,834	4,962	2,397	921,889
		n 2015	15,794	196,495	214,010	105,408	61,312	43,957	32,542	25,112	25,315	22,132	19,151	16,768	17,169	18,963	14,797	10,097	5,421	2,720	847,162
		Rate 2017 (%)	22.1	56.6	67.5	32.3	15.1	10.4	7.4	7.2	6.9	6.4	5.6	5.2	5.8	7.1	7.3	6.8	5.1	1.9	15.4
		Rate 2016 (%)	20.9	56.4	66.7	31.7	14.9	10.0	7.2	6.8	6.4	5.9	5.1	4.8	5.3	6.4	6.6	5.9	4.2	1.9	14.9
		Rate 2015 (%)	20.7	53.6	62.9	29.2	14.4	9.6	7.2	6.2	6.1	5.6	5.0	4.7	5.5	6.7	7.0	6.3	4.6	2.2	14.3
		Change 2016-2017	1.19	0.17	0.79	0.62	0.27	0.40	0.22	0.39	0.52	0.48	0.45	0.41	0.49	0.74	0.66	0.89	0.94	<0.05	0.47
	Change 2015-2017	1.44	2.97	4.61	3.10	0.70	0.78	0.25	0.94	0.83	0.76	0.55	0.45	0.30	0.38	0.27	0.51	0.46	-0.30	1.12	
	Males	n 2017	11,497	136,337	148,265	79,894	50,548	38,509	27,088	22,261	19,417	18,596	15,332	13,920	13,340	14,373	11,762	8,109	4,311	1,695	635,251
		n 2016	11,165	136,282	145,084	79,157	48,848	36,614	25,657	20,219	18,212	16,764	14,114	12,475	11,873	12,784	9,978	6,867	3,470	1,770	611,331
		n 2015	10,750	126,834	132,114	69,120	44,255	32,536	24,098	17,615	17,418	15,663	13,755	12,023	11,877	13,078	10,061	7,049	3,771	1,883	563,899
		Rate 2017 (%)	27.1	67.1	79.3	41.8	21.2	15.4	11.1	10.2	9.5	9.1	8.1	7.6	8.3	10.0	10.2	10.0	7.9	3.4	20.3
		Rate 2016 (%)	26.7	68.5	80.3	41.6	21.2	15.1	10.9	9.7	8.9	8.4	7.4	7.0	7.5	8.9	9.3	8.8	6.6	3.7	20.0
		Rate 2015 (%)	27.3	67.4	75.7	37.4	20.3	14.3	10.7	8.8	8.5	8.1	7.3	6.9	7.8	9.5	9.9	9.3	7.4	4.2	19.2
		Change 2016-2017	0.45	-1.38	-0.96	0.20	<0.05	0.32	0.26	0.56	0.62	0.66	0.69	0.64	0.78	1.15	0.92	1.19	1.33	-0.28	0.32
	Change 2015-2017	-0.19	-0.34	3.69	4.34	0.85	1.13	0.45	1.41	0.94	0.99	0.79	0.71	0.55	0.51	0.28	0.69	0.51	-0.71	1.12	
	Females	n 2017	6,692	87,349	97,134	41,115	19,933	13,564	9,433	9,129	9,146	8,309	6,152	5,406	5,757	6,609	5,581	3,626	1,940	800	337,676
		n 2016	5,815	82,040	89,321	38,844	18,118	12,001	8,651	8,245	8,438	7,427	5,668	4,951	5,214	6,022	4,719	2,966	1,492	627	310,558
		n 2015	5,044	69,661	81,896	36,288	17,057	11,421	8,445	7,497	7,897	6,469	5,396	4,745	5,291	5,884	4,737	3,048	1,650	837	283,263
		Rate 2017 (%)	16.8	45.5	55.0	22.5	8.8	5.4	3.8	4.2	4.4	3.8	3.1	2.8	3.4	4.3	4.6	4.0	2.9	1.0	10.6
		Rate 2016 (%)	14.8	43.6	52.3	21.4	8.2	4.9	3.6	3.9	4.0	3.5	2.9	2.6	3.1	4.0	4.2	3.4	2.2	0.8	9.9
Rate 2015 (%)		13.6	39.0	49.4	20.6	8.2	5.0	3.7	3.7	3.7	3.2	2.8	2.6	3.3	4.1	4.4	3.6	2.5	1.1	9.4	
Change 2016-2017		1.98	1.82	2.65	1.09	0.55	0.48	0.20	0.23	0.39	0.31	0.24	0.18	0.24	0.37	0.42	0.61	0.61	0.20	0.62	
Change 2015-2017	3.16	6.42	5.54	1.84	0.54	0.42	0.09	0.46	0.67	0.60	0.34	0.21	0.09	0.28	0.22	0.38	0.35	-0.09	1.13		

Region	Sex		Age range																	Total		
			4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+	
Metropolitan growth	Persons	n 2017	3,286	35,254	37,219	18,775	11,453	8,332	6,101	5,392	4,074	3,163	2,179	1,685	1,575	1,625	1,245	776	348	94	142,576	
		n 2016	2,759	33,138	35,595	18,421	10,337	7,900	5,666	4,726	3,708	2,786	1,983	1,508	1,381	1,424	1,023	662	270	136	133,421	
		n 2015	2,739	31,048	32,689	16,970	10,108	7,269	5,816	4,191	3,730	2,718	2,022	1,537	1,414	1,474	1,047	679	319	143	125,913	
		Rate 2017 (%)	14.8	34.5	42.6	22.8	12.6	8.3	5.4	5.2	4.5	3.7	2.9	2.5	2.8	3.6	3.7	3.5	2.4	0.8		11.0
		Rate 2016 (%)	12.9	34.2	43.1	22.8	11.9	8.2	5.2	4.9	4.2	3.4	2.7	2.4	2.6	3.2	3.3	3.2	2.0	1.2		10.8
		Rate 2015 (%)	14.2	35.1	42.2	21.9	12.7	8.1	5.8	4.7	4.4	3.5	2.9	2.5	2.9	3.6	3.8	3.5	2.5	1.3		10.9
		Change 2016-2017	1.95	0.33	-0.51	+ <0.05	0.70	0.17	0.12	0.29	0.31	0.29	0.21	0.16	0.24	0.36	0.36	0.33	0.45	-0.39		0.25
		Change 2015-2017	0.59	-0.59	0.45	0.90	-0.06	0.25	-0.45	0.46	0.15	0.19	+ <0.05	- <0.05	- <0.05	-0.05	-0.06	+ <0.05	-0.08	-0.49		0.12
		Males	n 2017	2,108	22,597	24,116	13,077	8,500	6,311	4,595	3,947	2,840	2,328	1,642	1,309	1,206	1,192	904	571	255	79	97,576
	n 2016		1,858	21,878	23,657	13,093	7,810	6,128	4,333	3,503	2,665	2,062	1,468	1,151	1,018	1,036	714	498	206	108	93,185	
	n 2015		1,899	21,042	21,879	11,862	7,523	5,513	4,447	2,984	2,701	2,051	1,510	1,180	1,051	1,084	752	494	236	91	88,300	
	Rate 2017 (%)		18.4	43.0	53.8	31.0	18.1	12.8	8.3	7.5	6.2	5.5	4.5	4.0	4.4	5.4	5.4	5.4	3.9	1.7		15.1
	Rate 2016 (%)		16.7	43.8	55.8	31.5	17.5	12.9	8.2	7.1	6.0	5.1	4.0	3.7	3.9	4.8	4.7	4.9	3.4	2.4		15.0
	Rate 2015 (%)		19.2	46.7	55.3	30.0	18.5	12.5	9.1	6.7	6.3	5.3	4.3	4.0	4.3	5.4	5.5	5.2	4.2	2.1		15.3
	Change 2016-2017		1.62	-0.79	-1.94	-0.53	0.56	- <0.05	0.13	0.32	0.20	0.40	0.42	0.32	0.53	0.60	0.75	0.41	0.53	-0.73		+ <0.05
	Change 2015-2017		-0.78	-3.73	-1.48	0.96	-0.40	0.31	-0.72	0.79	-0.18	0.20	0.13	+ <0.05	0.09	-0.06	- <0.05	0.15	-0.29	-0.36		-0.26
	Females		n 2017	1,178	12,658	13,103	5,698	2,953	2,021	1,506	1,445	1,235	835	537	376	369	434	341	205	93	15	45,000
		n 2016	901	11,259	11,938	5,328	2,527	1,772	1,334	1,224	1,043	725	515	357	363	388	309	163	64	28	40,236	
n 2015		840	10,006	10,810	5,108	2,585	1,757	1,369	1,207	1,029	667	512	357	363	390	295	184	82	51	37,612		
Rate 2017 (%)		11.0	25.5	30.8	14.2	6.8	4.0	2.6	2.8	2.8	1.9	1.4	1.1	1.3	1.8	2.0	1.8	1.2	0.2		7.0	
Rate 2016 (%)		8.7	24.0	29.8	13.6	6.0	3.6	2.4	2.6	2.4	1.7	1.4	1.1	1.3	1.7	2.0	1.5	0.8	0.4		6.5	
Rate 2015 (%)		9.0	23.1	28.5	13.5	6.6	3.8	2.7	2.7	2.4	1.7	1.4	1.2	1.4	1.9	2.1	1.8	1.2	0.7		6.5	
Change 2016-2017		2.29	1.56	1.05	0.64	0.76	0.38	0.16	0.25	0.40	0.18	+ <0.05	+ <0.05	- <0.05	0.14	- <0.05	0.27	0.34	-0.18		0.46	
Change 2015-2017		2.01	2.48	2.34	0.75	0.12	0.15	-0.12	0.09	0.39	0.21	- <0.05	-0.06	-0.14	- <0.05	-0.09	-0.05	+ <0.05	-0.54		0.47	

Region	Sex		Age range																	Total	
			4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+
Metropolitan other	Persons	n 2017	10,287	123,013	133,910	62,033	36,853	27,610	18,687	16,112	15,790	16,269	13,284	11,617	10,837	11,363	9,350	6,079	3,314	1,558	527,963
		n 2016	9,768	119,096	126,100	60,033	34,740	25,276	17,367	14,319	14,556	14,513	12,247	10,571	9,818	10,489	8,108	5,145	2,642	1,293	496,081
		n 2015	9,011	107,026	116,711	53,084	31,649	22,988	16,555	12,649	13,834	13,069	11,637	9,951	9,709	10,406	7,950	5,131	2,819	1,418	455,593
		Rate 2017 (%)	25.3	62.5	73.1	31.1	12.8	8.8	6.4	6.5	6.8	6.8	6.2	5.7	6.2	7.3	7.3	6.3	4.6	2.0	15.0
		Rate 2016 (%)	24.2	61.2	70.7	29.9	12.5	8.3	6.1	6.0	6.2	6.2	5.7	5.3	5.7	6.7	6.7	5.5	3.8	1.7	14.4
		Rate 2015 (%)	23.3	57.7	67.6	27.9	11.9	7.9	6.1	5.4	5.8	5.9	5.5	5.1	5.7	6.8	6.8	5.6	4.1	1.9	13.6
		Change 2016-2017	1.13	1.30	2.42	1.16	0.29	0.51	0.29	0.51	0.62	0.59	0.50	0.44	0.47	0.64	0.55	0.83	0.85	0.29	0.65
		Change 2015-2017	2.01	4.75	5.54	3.23	0.86	0.89	0.35	1.03	0.95	0.97	0.73	0.64	0.46	0.51	0.47	0.72	0.55	0.07	1.39
	Males	n 2017	6,361	74,680	80,379	40,410	26,578	20,831	14,513	11,948	11,107	11,370	9,649	8,421	7,691	7,935	6,467	4,351	2,300	1,020	346,012
		n 2016	6,265	74,044	77,808	39,807	25,622	19,545	13,638	10,689	10,333	10,234	8,942	7,635	6,994	7,275	5,662	3,711	1,896	982	331,081
		n 2015	6,030	69,427	72,067	34,377	23,147	17,516	12,716	9,365	9,799	9,368	8,529	7,177	6,874	7,244	5,592	3,677	2,027	1,019	305,951
		Rate 2017 (%)	30.4	74.0	85.3	40.0	18.2	13.3	10.0	9.6	9.7	9.9	9.3	8.6	9.1	10.7	10.6	9.8	7.4	3.4	20.0
		Rate 2016 (%)	30.1	74.3	84.8	39.1	18.2	12.9	9.6	8.9	8.9	9.1	8.5	7.9	8.5	9.7	9.9	8.6	6.2	3.4	19.5
		Rate 2015 (%)	30.3	73.1	81.3	35.4	17.1	12.0	9.3	8.1	8.4	8.6	8.2	7.6	8.4	9.9	10.1	8.7	6.8	3.7	18.6
		Change 2016-2017	0.29	-0.24	0.53	0.82	<-0.05	0.45	0.35	0.74	0.76	0.78	0.74	0.67	0.68	1.05	0.72	1.20	1.16	<-0.05	0.52
		Change 2015-2017	0.17	0.88	4.00	4.61	1.09	1.26	0.67	1.52	1.24	1.32	1.04	0.96	0.71	0.82	0.48	1.08	0.55	-0.35	1.41
	Females	n 2017	3,927	48,333	53,531	21,623	10,274	6,779	4,173	4,163	4,682	4,899	3,634	3,196	3,146	3,429	2,883	1,728	1,014	538	181,951
		n 2016	3,503	45,053	48,292	20,226	9,118	5,731	3,730	3,630	4,224	4,279	3,304	2,936	2,824	3,214	2,445	1,434	746	311	164,999
		n 2015	2,981	37,598	44,645	18,707	8,502	5,472	3,838	3,283	4,036	3,700	3,108	2,773	2,836	3,162	2,358	1,454	791	399	149,642
		Rate 2017 (%)	19.8	50.4	60.2	22.0	7.2	4.3	2.9	3.3	4.0	4.0	3.3	3.1	3.4	4.2	4.3	3.3	2.5	1.1	10.2
Rate 2016 (%)		17.8	47.5	55.7	20.5	6.6	3.8	2.6	3.0	3.5	3.6	3.0	2.9	3.1	3.9	3.9	2.8	1.9	0.6	9.4	
Rate 2015 (%)		15.9	41.6	53.1	20.1	6.5	3.8	2.8	2.8	3.3	3.3	2.9	2.8	3.2	4.0	3.8	2.9	2.0	0.8	8.8	
Change 2016-2017		2.03	2.90	4.43	1.51	0.59	0.56	0.23	0.31	0.46	0.41	0.30	0.21	0.29	0.30	0.40	0.50	0.62	0.45	0.78	
Change 2015-2017		3.98	8.79	7.10	1.92	0.69	0.54	<-0.05	0.52	0.64	0.72	0.45	0.31	0.23	0.26	0.44	0.40	0.50	0.25	1.37	

Region	Sex		Age range																	Total	
			4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+
Regional growth	Persons	n 2017	2,029	26,191	27,420	13,769	8,373	6,022	4,183	3,572	3,054	2,715	2,344	2,377	2,797	3,337	2,745	1,911	1,006	315	114,158
		n 2016	1,898	25,732	27,027	13,873	8,383	5,987	4,331	3,581	3,214	2,781	2,389	2,403	2,700	2,977	2,286	1,547	778	353	112,238
		n 2015	1,612	20,738	22,047	11,493	6,776	4,808	3,470	2,713	2,677	2,281	2,180	2,173	2,618	2,957	2,342	1,615	842	430	93,772
		Rate 2017 (%)	24.4	65.0	73.2	36.2	20.5	15.2	10.8	9.7	8.1	6.8	6.1	6.0	7.6	9.6	9.7	9.6	7.3	2.1	18.6
		Rate 2016 (%)	23.2	65.5	74.8	37.0	21.1	15.7	11.6	10.1	8.5	7.3	6.2	6.2	7.5	8.6	8.8	8.2	5.8	2.4	18.7
		Rate 2015 (%)	20.8	55.4	62.4	30.8	18.1	13.8	9.8	7.7	7.0	6.1	5.7	5.7	7.4	9.1	9.6	8.9	6.5	3.1	16.2
		Change 2016-2017	1.24	-0.48	-1.65	-0.83	-0.60	-0.49	-0.82	-0.40	-0.35	-0.46	-0.06	-0.24	0.12	0.97	0.89	1.42	1.43	-0.29	-0.17
		Change 2015-2017	3.65	9.61	10.78	5.37	2.39	1.40	1.01	1.99	1.14	0.68	0.45	0.25	0.15	0.55	+<0.05	0.65	0.82	-1.01	2.35
	Males	n 2017	1,385	16,114	16,361	9,255	5,865	4,315	3,017	2,462	2,071	1,903	1,656	1,693	1,882	2,274	1,870	1,271	690	214	74,296
		n 2016	1,302	16,132	16,616	9,359	5,928	4,320	3,078	2,439	2,155	1,915	1,673	1,713	1,818	2,017	1,560	1,054	522	262	73,861
		n 2015	1,152	13,528	13,379	7,474	4,742	3,363	2,453	1,801	1,814	1,601	1,528	1,551	1,730	2,043	1,565	1,097	565	302	61,688
		Rate 2017 (%)	31.6	77.8	84.7	47.3	28.2	21.9	15.9	13.8	11.3	9.9	9.0	8.9	10.6	13.5	13.6	13.5	11.1	4.0	24.7
		Rate 2016 (%)	29.9	79.9	89.3	48.7	29.2	22.8	16.9	14.2	11.7	10.4	9.0	9.3	10.4	12.0	12.4	11.9	8.9	5.0	25.2
		Rate 2015 (%)	28.0	69.3	73.3	39.2	24.7	19.4	14.0	10.6	9.7	8.8	8.2	8.5	10.1	12.8	13.4	12.6	10.1	6.0	21.6
Change 2016-2017		1.70	-2.11	-4.62	-1.47	-1.06	-0.92	-0.95	-0.38	-0.34	-0.50	+<0.05	-0.34	0.25	1.50	1.25	1.62	2.20	-1.05	-0.49	
Change 2015-2017		3.59	8.54	11.33	8.06	3.46	2.43	1.96	3.24	1.59	1.07	0.84	0.49	0.56	0.78	0.21	0.93	1.07	-2.00	3.02	
Females	n 2017	644	10,076	11,058	4,514	2,508	1,707	1,167	1,110	983	813	688	684	915	1,063	875	641	316	102	39,862	
	n 2016	596	9,600	10,411	4,514	2,455	1,667	1,253	1,142	1,060	866	717	690	882	960	726	493	256	91	38,377	
	n 2015	460	7,210	8,668	4,019	2,034	1,445	1,017	912	862	680	652	622	889	914	777	519	277	128	32,084	
	Rate 2017 (%)	16.4	51.4	61.0	24.4	12.5	8.6	5.9	5.9	5.1	3.9	3.5	3.3	4.8	5.9	6.0	6.1	4.1	1.1	12.7	
	Rate 2016 (%)	15.6	50.2	59.5	24.7	12.6	8.7	6.6	6.3	5.4	4.4	3.6	3.4	4.7	5.4	5.4	4.9	3.4	1.0	12.6	
	Rate 2015 (%)	12.6	40.2	50.7	22.0	11.1	8.2	5.7	5.1	4.4	3.6	3.3	3.2	4.9	5.5	6.2	5.6	3.7	1.5	10.9	
	Change 2016-2017	0.87	1.22	1.48	-0.26	-0.10	-0.10	-0.69	-0.42	-0.35	-0.43	-0.12	-0.13	+<0.05	0.51	0.56	1.19	0.71	0.11	0.14	
	Change 2015-2017	3.81	11.19	10.23	2.40	1.37	0.35	0.21	0.82	0.71	0.37	0.15	0.11	-0.16	0.43	-0.18	0.53	0.41	-0.41	1.77	

Region	Sex		Age range																	Total	
			4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85+
Regional other	Persons	n 2017	2,586	39,228	46,851	26,434	13,803	10,108	7,550	6,315	5,645	4,757	3,677	3,647	3,887	4,657	4,004	2,969	1,584	528	188,231
		n 2016	2,555	40,356	45,685	25,673	13,506	9,452	6,943	5,838	5,172	4,112	3,163	2,943	3,188	3,916	3,280	2,480	1,272	615	180,149
		n 2015	2,433	37,684	42,563	23,860	12,779	8,892	6,701	5,559	5,073	4,065	3,313	3,108	3,427	4,126	3,458	2,672	1,442	730	171,885
		Rate 2017 (%)	23.3	70.0	84.3	48.6	29.8	21.2	15.9	13.4	10.9	8.1	6.1	5.6	6.2	7.9	8.5	8.7	6.9	2.2	21.1
		Rate 2016 (%)	23.0	71.9	84.1	48.2	29.2	20.1	14.8	12.6	9.7	7.0	5.1	4.6	5.1	6.6	7.4	7.6	5.7	2.6	20.4
		Rate 2015 (%)	22.8	68.2	77.9	43.2	30.0	21.2	15.1	12.2	9.3	7.1	5.4	5.0	5.8	7.5	8.3	8.6	6.5	3.2	20.0
		Change 2016-2017	0.26	-1.89	0.21	0.41	0.62	1.06	1.12	0.87	1.21	1.02	0.97	1.01	1.05	1.23	1.07	1.11	1.26	-0.39	0.71
	Change 2015-2017	0.54	1.78	6.49	5.48	-0.17	+ <0.05	0.75	1.25	1.57	0.93	0.72	0.57	0.39	0.38	0.18	0.16	0.43	-0.96	1.03	
	Males	n 2017	1,643	22,946	27,409	17,153	9,605	7,051	4,963	3,904	3,399	2,995	2,384	2,497	2,560	2,973	2,521	1,915	1,066	383	117,367
		n 2016	1,740	24,228	27,004	16,898	9,489	6,621	4,609	3,588	3,059	2,554	2,031	1,976	2,042	2,456	2,042	1,604	846	417	113,204
		n 2015	1,669	22,836	24,789	15,406	8,843	6,144	4,481	3,465	3,104	2,644	2,188	2,115	2,223	2,707	2,152	1,781	943	471	107,960
		Rate 2017 (%)	29.2	79.0	96.2	60.7	39.2	29.1	21.3	17.0	13.3	10.4	8.0	7.7	8.2	9.9	10.4	11.5	10.1	4.2	26.3
		Rate 2016 (%)	30.9	83.1	96.9	60.7	39.0	27.8	20.1	15.7	11.5	8.9	6.7	6.2	6.6	8.2	9.1	10.1	8.3	4.7	25.6
		Rate 2015 (%)	30.9	79.9	87.9	53.6	39.8	29.4	20.7	15.3	11.8	9.4	7.2	6.8	7.4	9.6	10.3	11.7	9.5	5.5	25.2
Change 2016-2017		-1.73	-4.08	-0.78	+ <0.05	0.19	1.28	1.20	1.27	1.75	1.44	1.34	1.55	1.63	1.71	1.38	1.44	1.86	-0.50	0.70	
Change 2015-2017	-1.71	-0.88	8.21	7.12	-0.59	-0.33	0.64	1.69	1.54	0.96	0.89	0.94	0.76	0.24	0.15	-0.13	0.65	-1.29	1.08		
Females	n 2017	943	16,282	19,442	9,281	4,198	3,057	2,588	2,411	2,245	1,762	1,293	1,151	1,327	1,684	1,483	1,053	518	145	70,863	
	n 2016	815	16,128	18,681	8,775	4,017	2,831	2,335	2,250	2,113	1,557	1,132	967	1,145	1,460	1,238	876	426	198	66,945	
	n 2015	764	14,848	17,774	8,454	3,937	2,748	2,220	2,095	1,970	1,421	1,125	993	1,204	1,419	1,306	891	499	259	63,926	
	Rate 2017 (%)	17.2	60.2	71.9	35.6	19.3	13.0	10.7	10.0	8.5	5.9	4.2	3.5	4.2	5.8	6.4	6.1	4.2	1.0	15.8	
	Rate 2016 (%)	14.9	59.7	70.7	34.6	18.4	12.2	9.7	9.5	7.8	5.2	3.6	3.0	3.7	5.0	5.7	5.3	3.5	1.4	15.1	
	Rate 2015 (%)	14.4	55.6	67.1	31.9	19.3	13.0	9.8	9.1	7.0	4.9	3.6	3.2	4.1	5.2	6.3	5.6	4.1	1.8	14.9	
	Change 2016-2017	2.32	0.52	1.25	1.01	0.95	0.80	0.99	0.51	0.71	0.63	0.61	0.50	0.51	0.73	0.72	0.79	0.71	-0.36	0.72	
Change 2015-2017	2.80	4.60	4.79	3.71	- <0.05	+ <0.05	0.85	0.92	1.51	0.94	0.59	0.27	0.08	0.54	0.14	0.45	0.12	-0.81	0.96		

¹ Aggregated over 12 sports.

² Number of player registrations per 100 residents, expressed as a percentage.

³ Rate percentages are displayed to 1 decimal place accuracy, with values greater than zero but less than 0.05 being displayed as <0.05. As requested, changes in rates are displayed to 2 decimal place accuracy, but non-zero positive and negative differences less than 0.05 in magnitude are shown as +<0.05 and -<0.05 respectively.

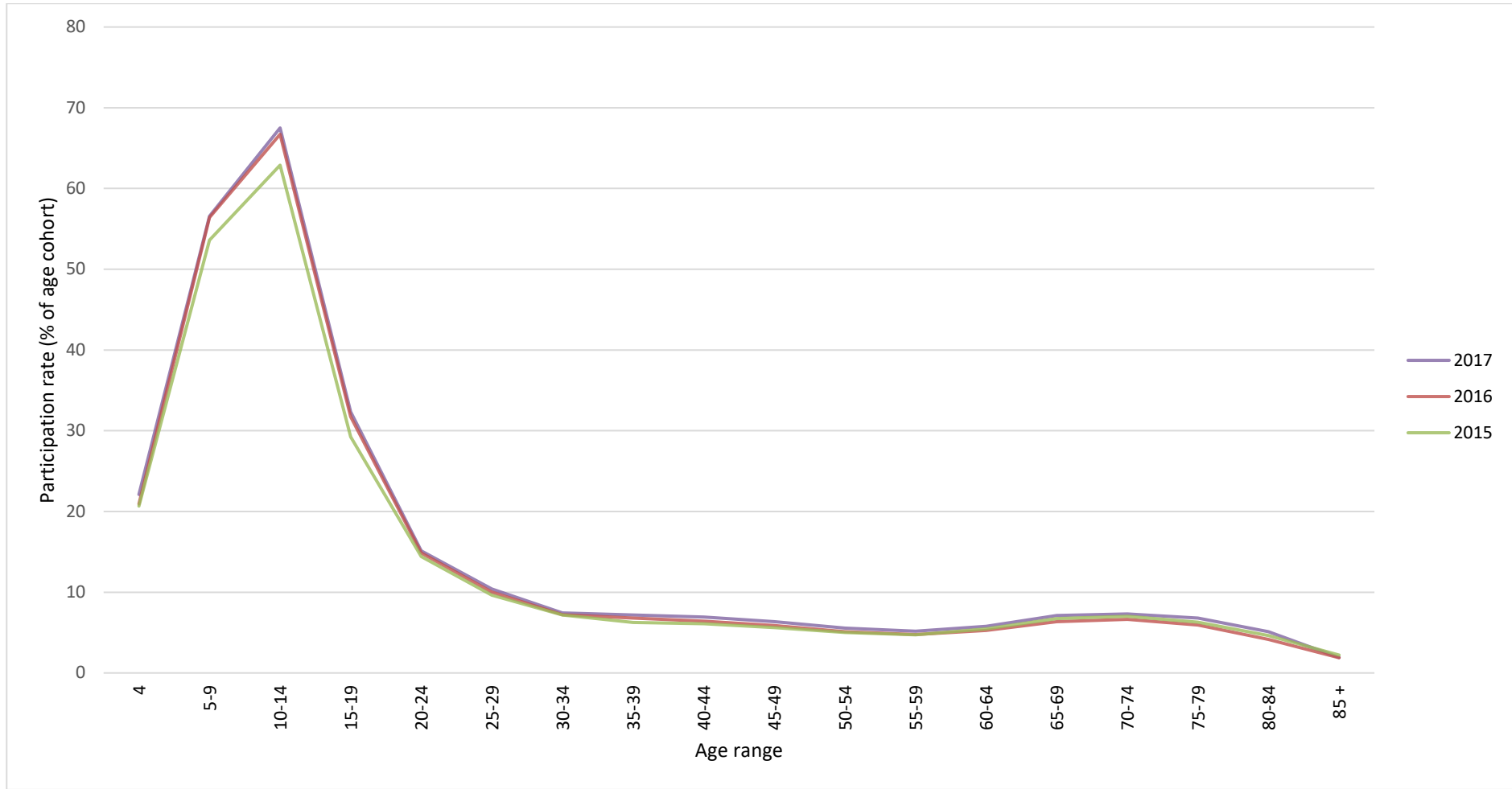


Figure 6. Overall participation rates: 2015 - 2017, Victoria: by age

Table 5. Participation rates, 2016-2017, Victoria: by Local Government Area

LGA name	Particip. Rate ¹ 2017	Rank ² 2017	Particip. Rate ¹ 2016	Rank ² 2016	LGA name	Particip. Rate ¹ 2017	Rank ² 2017	Particip. Rate ¹ 2016	Rank ² 2016	LGA name	Particip. Rate ¹ 2017	Rank ² 2017	Particip. Rate ¹ 2016	Rank ² 2016
Metropolitan - growth					Nillumbik (S)	25.92	2	24.50	2	Hepburn (S)	15.22	39	14.93	39
Cardinia (S)	15.34	1	15.43	1	Port Phillip (C)	11.51	18	11.22	18	Hindmarsh (S)	28.03	8	27.87	6
Casey (C)	11.76	3	11.56	3	Stonnington (C)	18.03	8	16.98	8	Horsham (RC)	24.17	14	23.39	14
Hume (C)	10.60	5	10.29	4	Whitehorse (C)	16.95	10	16.96	9	Indigo (S)	18.30	30	17.85	33
Melton (S)	8.95	7	8.82	7	Yarra (C)	10.30	20	9.33	20	Latrobe (C)	18.20	34	18.13	31
Mitchell (S)	14.54	2	13.99	2	Yarra Ranges (S)	18.88	5	17.79	6	Loddon (S)	27.37	10	26.47	9
Whittlesea (C)	10.60	4	10.06	5	Regional - growth					Macedon Ranges (S)	20.42	23	19.57	22
Wyndham (C)	9.64	6	9.42	6	Ballarat (C)	17.19	6	17.45	5	Mansfield (S)	20.30	24	18.51	27
Metropolitan - other					Bass Coast (S)	18.05	4	16.54	7	Mildura (RC)	18.27	32	16.63	37
Banyule (C)	18.78	7	17.67	7	Baw Baw (S)	20.42	2	19.37	2	Moira (S)	24.71	12	23.12	15
Bayside (C)	29.01	1	28.39	1	Greater Bendigo (C)	18.84	3	18.14	4	Mount Alexander (S)	15.63	38	16.19	38
Boroondara (C)	22.56	3	20.97	4	Greater Geelong (C)	17.64	5	18.87	3	Moyne (S)	28.69	7	27.41	7
Brimbank (C)	6.98	23	6.69	23	Moorabool (S)	16.93	7	16.83	6	Murrindindi (S)	17.31	37	17.27	34
Darebin (C)	10.92	19	10.11	19	Surf Coast (S)	28.62	1	27.52	1	Northern Grampians (S)	21.75	20	20.21	20
Frankston (C)	16.16	12	15.81	12	Regional - other					Pyrenees (S)	18.82	28	18.34	28
Glen Eira (C)	15.92	13	15.70	13	Alpine (S)	19.43	26	17.12	35	Queenscliffe (B)	33.22	3	32.62	2
Greater Dandenong (C)	5.93	25	5.85	24	Ararat (RC)	20.67	22	18.63	26	South Gippsland (S)	25.08	11	25.36	10
Hobsons Bay (C)	14.66	15	14.02	15	Benalla (RC)	18.28	31	18.07	32	Southern Grampians (S)	31.55	4	30.13	4
Kingston (C)	17.84	9	16.64	10	Buloke (S)	38.57	1	37.52	1	Strathbogie (S)	18.78	29	18.31	29
Knox (C)	16.76	11	16.35	11	Campaspe (S)	22.96	19	22.65	16	Swan Hill (RC)	27.80	9	25.14	11
Manningham (C)	15.89	14	14.93	14	Central Goldfields (S)	21.08	21	20.07	21	Towong (S)	23.22	17	23.69	13
Maribyrnong (C)	9.13	21	8.55	21	Colac-Otway (S)	24.15	15	24.50	12	Wangaratta (RC)	19.33	27	18.95	24
Maroondah (C)	18.82	6	18.11	5	Corangamite (S)	29.50	5	30.01	5	Warrnambool (C)	24.40	13	21.02	18
Melbourne (C)	6.93	24	5.17	25	East Gippsland (S)	17.37	36	17.00	36	Wellington (S)	20.00	25	19.46	23
Monash (C)	12.75	17	12.47	17	Gannawarra (S)	28.91	6	27.39	8	West Wimmera (S)	23.44	16	20.88	19
Moonee Valley (C)	14.44	16	13.96	16	Glenelg (S)	22.98	18	21.27	17	Wodonga (RC)	15.08	40	14.35	40
Moreland (C)	8.90	22	8.31	22	Golden Plains (S)	18.20	33	18.14	30	Yarriambiack (S)	34.03	2	30.57	3
Mornington Peninsula (S)	22.08	4	21.86	3	Greater Shepparton (C)	18.10	35	18.85	25					

¹ Number of player registrations per 100 residents

² In descending order of participation rate within each region

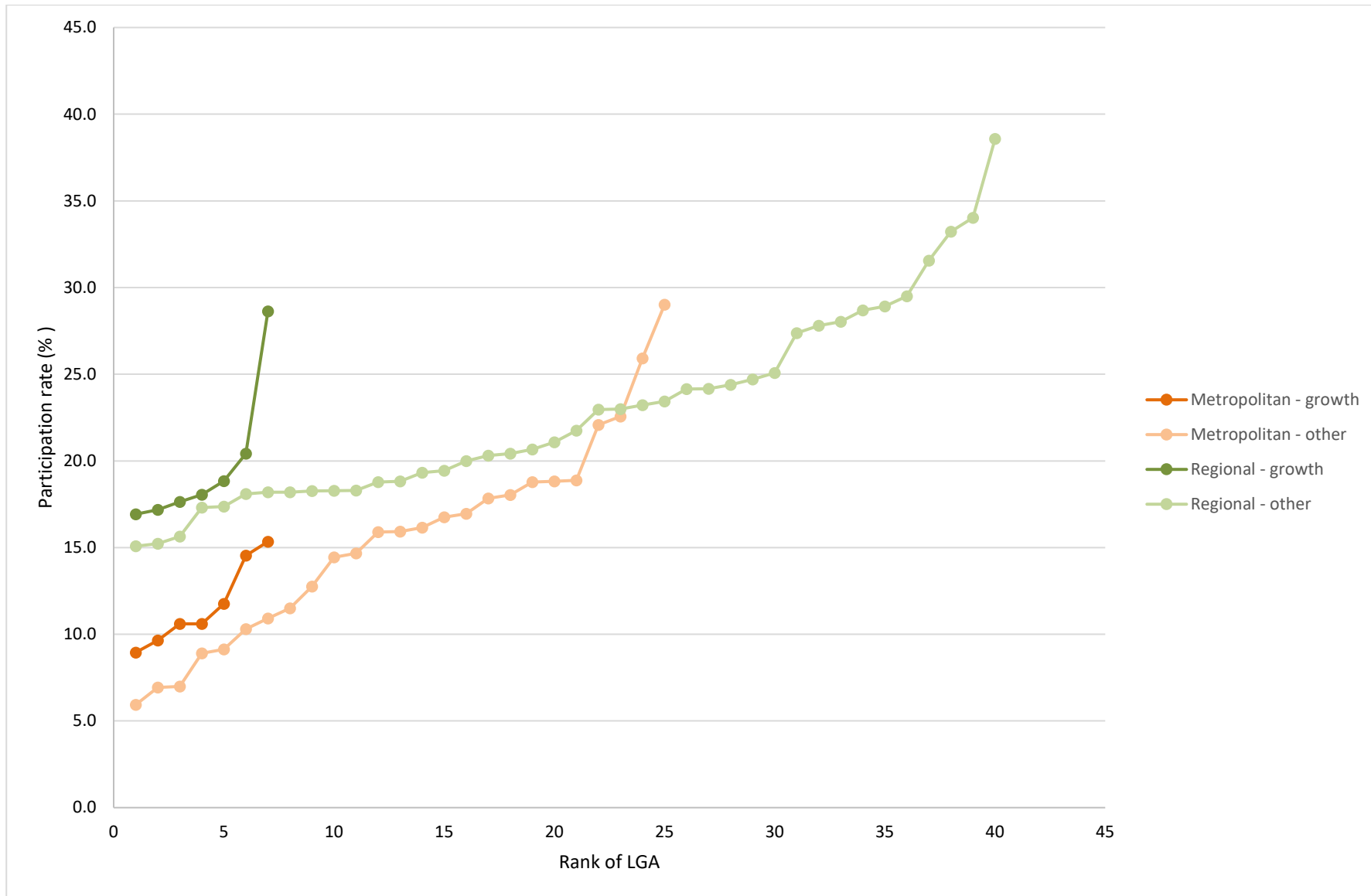


Figure 7. Participation rates, 2017: LGAs by region

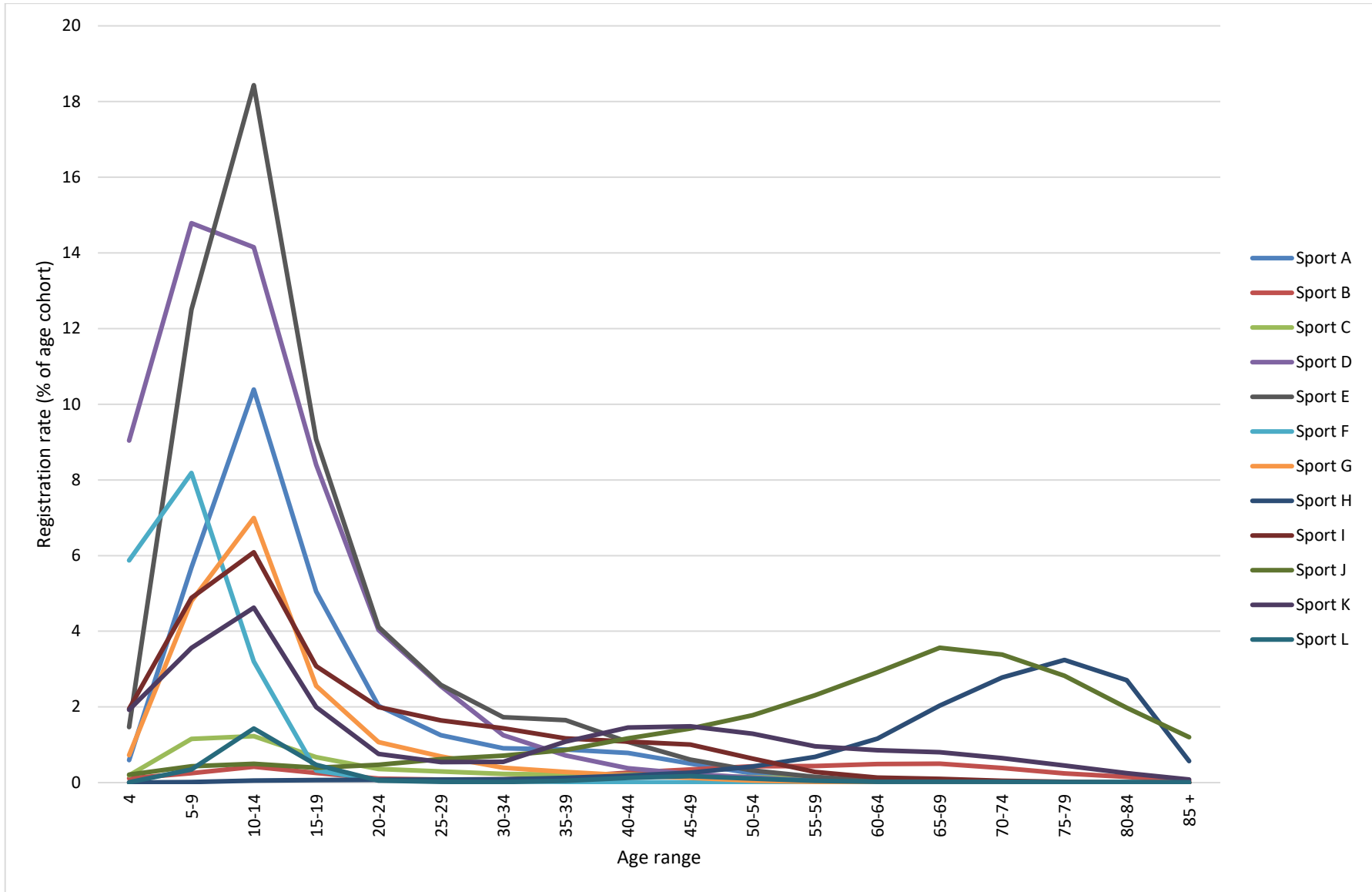


Figure 8. Participation rates, 2017, Victoria: by sport and age

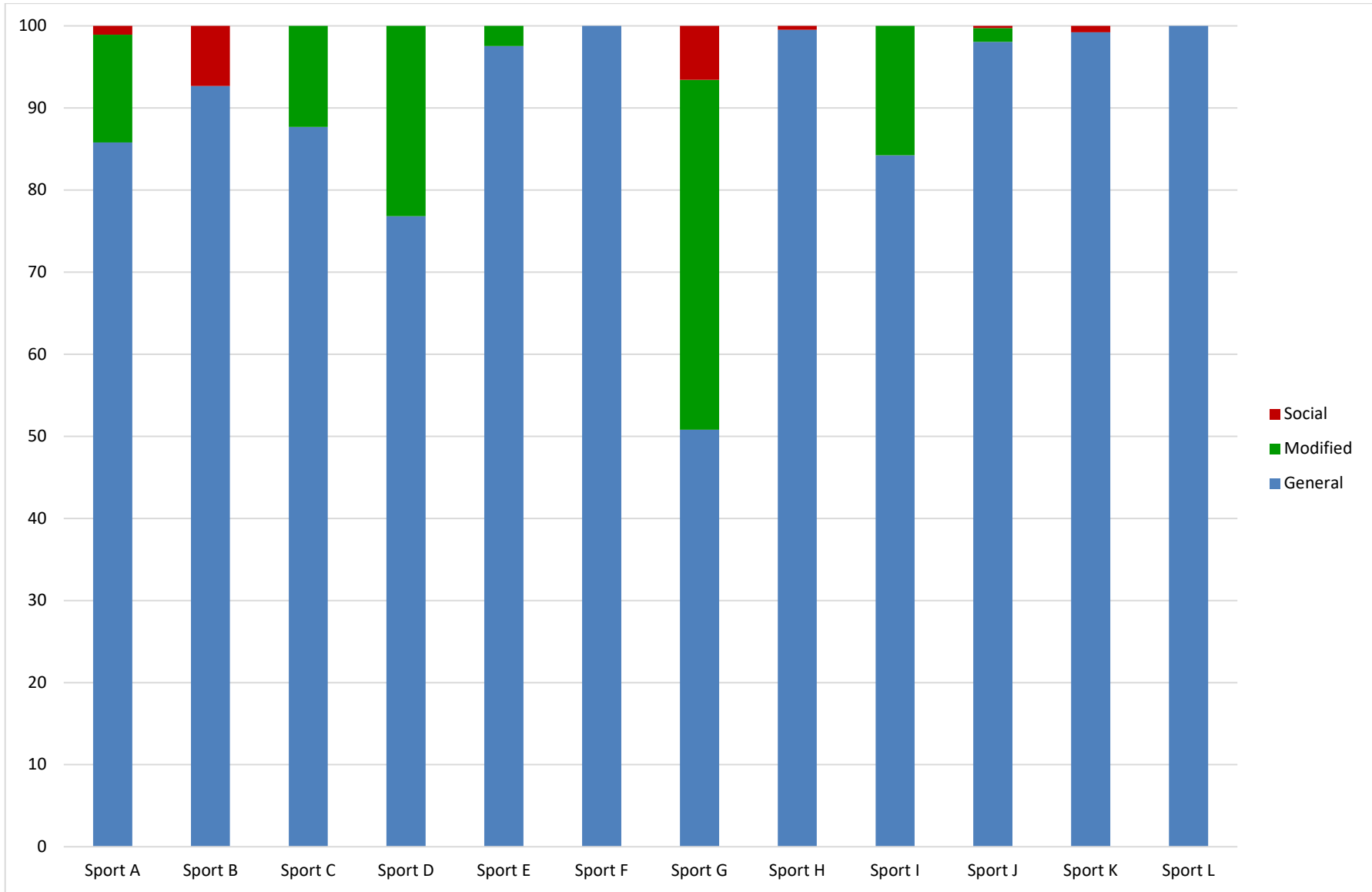


Figure 9. Sport-specific program profiles of registered participants, 2016, Victoria

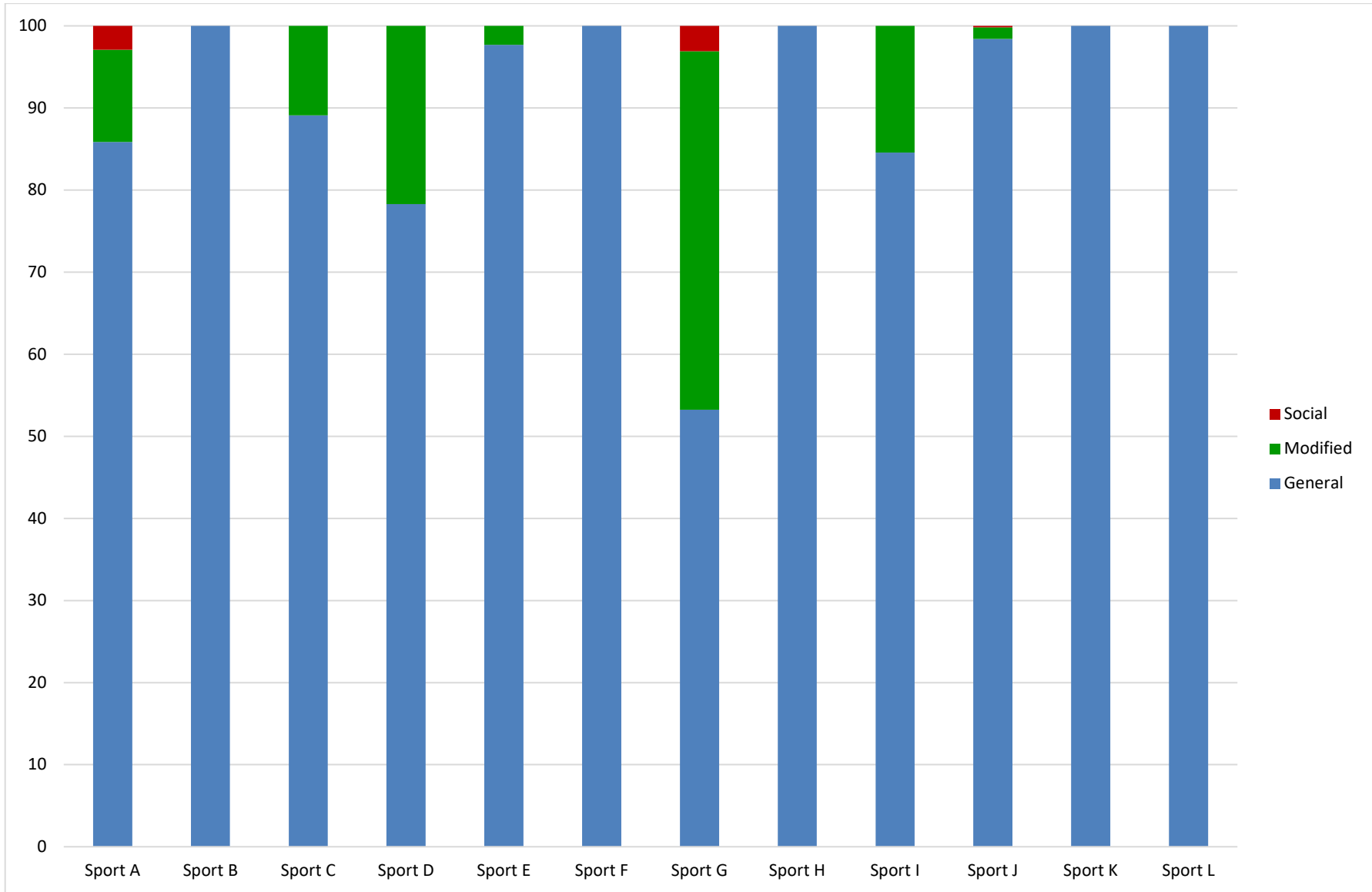


Figure 10. Sport-specific program profiles of registered participants, 2017, Victoria

Definition of the four Sport Participation Research Project (SPRP) regions

For the purpose of regional breakdowns included in standard reports prepared under the Sport Participation Research Project (SPRP), four regions have been defined by the SPRP research team in consultation with Sport and Recreation Victoria and VicHealth. Each region consists of a group of local government areas (LGAs), listed here in alphabetical order. B =Borough, C = City, RC = Rural City, S = Shire.

There are two driving principles behind the designation of these four regions:

- The patterns of sport participation in metropolitan and non-metropolitan areas are known to differ substantially.
- Within both metropolitan and non-metropolitan areas, projected growth in population is very uneven.

The Metropolitan - Growth region consists of the seven LGAs containing the four growth corridors designated by the Metropolitan Planning Authority. Six of the seven are within the current Melbourne Metropolitan Area designated by the State Government. The seventh, Mitchell Shire, is currently designated Non-metropolitan.

The Regional - Growth region consists of the LGAs containing the three largest regional centres, Geelong, Ballarat and Bendigo, together with four LGAs which are expected, according to State Government population projections, to experience high population growth during the period up to 2021. Each of these four LGAs is on the outer periphery of one or more of Melbourne, Geelong and Ballarat.

The Metropolitan – Other region consists of the remaining 25 LGAs within the designated Melbourne Metropolitan Area.

The Regional – Other region consists of the remaining 40 LGAs outside the designated Melbourne Metropolitan Area.

Metropolitan – Growth (7)

Cardinia (S)
Casey (C)
Hume (C)
Melton (C)
Mitchell (S)
Whittlesea (C)
Wyndham (C)

Metropolitan – Other (25)

Banyule (C)
Bayside (C)
Boroondara (C)
Brimbank (C)
Darebin (C)
Frankston (C)
Glen Eira (C)
Greater Dandenong (C)
Hobsons Bay (C)
Kingston (C)
Knox (C)
Manningham (C)
Maribyrnong (C)
Maroondah (C)
Melbourne (C)
Monash (C)
Moonee Valley (C)
Moreland (C)
Mornington Peninsula (S)
Nillumbik (S)
Port Phillip (C)
Stonnington (C)
Whitehorse (C)
Yarra (C)
Yarra Ranges (S)

Regional – Growth (7)

Ballarat (C)
Bass Coast (S)
Baw Baw (S)
Greater Bendigo (C)
Greater Geelong (C)
Moorabool (S)
Surf Coast (S)

Regional – Other (40)

Alpine (S)
Ararat (RC)
Benalla (RC)
Buloke (S)
Campaspe (S)
Central Goldfields (S)
Colac-Otway (S)
Corangamite (S)
East Gippsland (S)
Gannawarra (S)
Glenelg (S)
Golden Plains (S)
Greater Shepparton (C)
Hepburn (S)
Hindmarsh (S)
Horsham (RC)
Indigo (S)
Latrobe (C)
Loddon (S)
Macedon Ranges (S)
Mansfield (S)
Mildura (RC)
Moirā (S)
Mount Alexander (S)
Moyne (S)
Murrindindi (S)
Northern Grampians (S)
Pyrenees (S)
Queenscliffe (B)
South Gippsland (S)
Southern Grampians (S)
Strathbogie (S)
Swan Hill (RC)
Towong (S)
Wangaratta (RC)
Warrnambool (C)
Wellington (S)
West Wimmera (S)
Wodonga (RC)
Yarriambiack (S)

Reference:

Australian Bureau of Statistics. (2016). *Population by Age and Sex, Regions of Australia*, Cat. No. 3235.0. Released at 11.30am (Canberra time) 28 August 2017.
<http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/3235.02016?OpenDocument> Accessed 30 Aug 2017.

The Sport Participation Research Project is funded by VicHealth and Sport and Recreation Victoria, and conducted by Professor Rochelle Eime (Victoria University and Federation University Australia), Melanie Charity (Victoria and Federation University Australia), and Dr Jack Harvey (Victoria and Federation University Australia).

Contact: Professor Rochelle Eime
Victoria University and Federation University Australia
r.eime@federation.edu.au
(03) 5327 9687

Data accuracy

This report is based on 2015, 2016 and 2017 player registration data provided by 12 sports in Victoria. Data screening checks led to some anomalies being identified in the player registration data, and to the extent that it was possible these were resolved after consultation with the separate sports. Counts of participants in local government areas (LGAs) are estimates based on the fractional allocation of residential postcodes to LGAs using correspondence tables published by the Australian Bureau of Statistics. Some postcode areas cross state borders, requiring mathematical 'border effect' adjustments. The results in this report are based on the datasets as they stand at the date of publication.

In this report, which encompasses multiple sports and three waves of data 2015-2017, there are some differences in reported participation counts and rates compared to the previously prepared annual reports for individual sports and the aggregated reports for 2015 and 2016. For the present report we used the most current SSA data as of December 2018.

For this report the Estimated Resident Population (ERP) statistics match the year of the SSA data. For previous years and reports we used the ERPs that were available at the time, which was generally the ERP's for the previous year. These are updated, and we now use the latest ERP's so that the data in this report is most accurate.

Furthermore, the postcode to LGA correspondences are updated by the Australian Bureau of Statistics, and in this report we use the most recent correspondences available for the point in time best aligned to each participant data year.

As a result, all participation rates and all ERPs for each year and for each sport are slightly different from the individual sport reports for 2015 to 2017 and the combined reports for 2015 and 2016. Participant numbers may also be slightly different where postcode to LGA correspondences have changed.

In summary, we have used the most accurate and up-to-date data available at the time of development and publication of this report.