Section 12 –
Physical activity of
Queensland children from
different backgrounds –
Children of LOTE backgrounds
(Languages other than English)



Frequency of children's participation in physical activities for sport, exercise and recreation in Queensland – Children of LOTE background

The frequency of children's participation for major types of physical activities was also calculated as a population wide prevalence estimate for children of LOTE background in Queensland. While frequency data was gathered only for children reported to be participating in specific activities, a prevalence estimate was calculated based on <u>all children</u> in the Queensland population (implying that children not participating were given a frequency of zero for this analysis).

It should also be noted in this context that some children did not have participation frequency estimates, if their parent/carer reported that the child took part in more than 12 activities. As such, these children were excluded from this analysis (i.e., this is why the base of the population wide frequency analyses are slightly less than the entire sample).

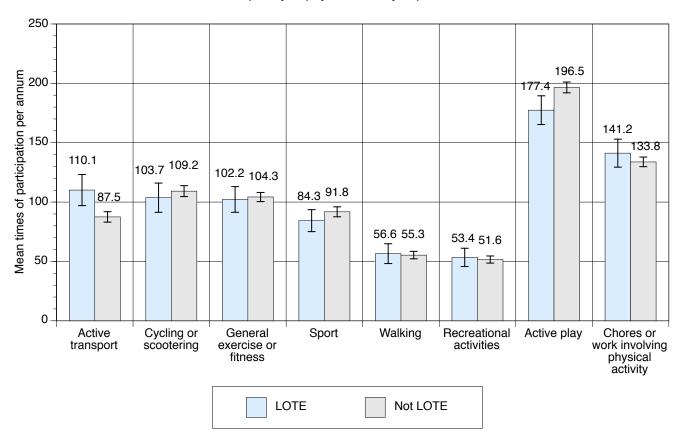
The frequency of participation in major types of activities for children of LOTE background is in Figure 76 and Table 85.

The top three most frequent activities for children of LOTE background were Active play (177.4 times per annum), Chores or work involving physical activity (141.2) and Active transport (110.1 times per annum)

Significance testing showed that children of LOTE background participated more frequently than children of non–LOTE background in Active transport and less frequently in Active play (each p<.01).

Figure 76. Frequency of participation in major activities as a population wide prevalence estimate (based on all children 5 to 17 years including non–participants) – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

Frequency of physical activity in past 12 months



Question: How often did (Child) participate in (ACTIVITY) during the past 12 months? (Base: All parents/carers with a child aged 5 to 17 years – Children not participating are included in this analysis to generate a population wide estimate for frequency of participation) (Though children participating who did more than 12 activities may have their data excluded from the analysis, if that activity was not randomly selected for frequency data) (as a maximum of 12 activities were rated)

Table 85. Frequency of participation in major activities as a population wide prevalence estimate (based on all children 5 to 17 years including non–participants) – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

	Mean frequency per annum (times per annum)									
Physical activities	LOTE (N=720)	SE	LCL	UCL	Not LOTE (N=4548)	SE	LCL	UCL		
Active transport	110.1	6.7	97	123.2	87.5	2.2	83.1	91.9		
Cycling and scootering	103.7	6.3	91.4	116	109.2	2.3	104.6	113.8		
Walking	56.6	4.3	48.2	64.9	55.3	1.6	52.2	58.5		
General exercise or fitness	102.2	5.5	91.4	113	104.3	1.9	100.4	108.1		
Recreational activities	53.4	3.9	45.7	61.1	51.6	1.5	48.6	54.6		
Sport	84.3	4.7	75.1	93.6	91.8	2.1	87.6	96		
Active play	177.4	6.2	165.3	189.5	196.5	2.3	192	201.1		
Chores or work involving physical activity	141.2	6	129.4	153	133.8	2.1	129.8	137.9		

Question: How often did (Child) participate in (ACTIVITY) during the past 12 months? (Base: All parents/carers with a child aged 5 to 17 years – Children not participating are included in this analysis to generate a population wide estimate for frequency of participation) (Though children participating who did more than 12 activities may have their data excluded from the analysis, if that activity was not randomly selected for frequency data) (as a maximum of 12 activities were rated).

Participation in specific activities – Top 20 activities for children of LOTE background

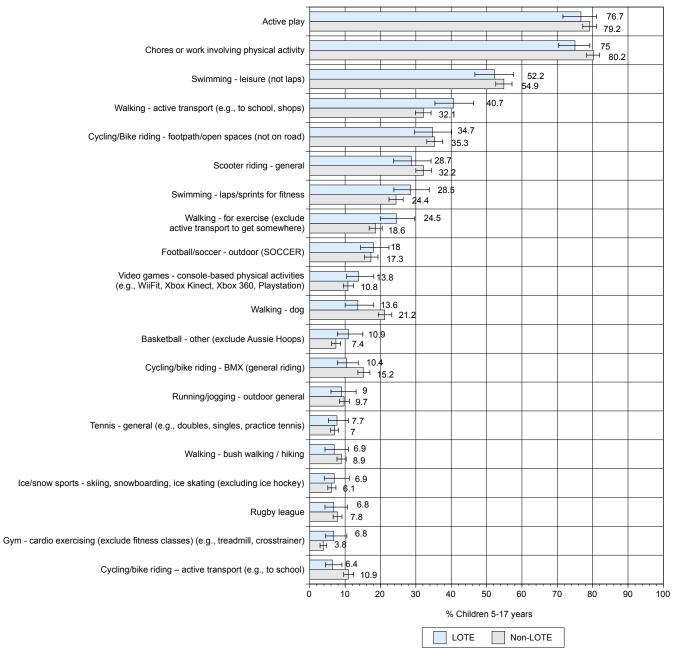
The top 20 activities reported by parents/carers of children from LOTE backgrounds are in Figure 77 and Table 86. A more detailed list of all activities is in Appendix F. The top three activities were the same for LOTE children and non–LOTE children, although Active play was the top activity for LOTE children, while Chores or work involving physical activity was the top activity for non–LOTE children.

The top 20 activities for both LOTE and non–LOTE children were analysed and there were some significant differences in participation between the two groups.

Of the top 20 activities for both groups, children of LOTE background had:

Lower participation in	Higher participation in
 Chores or work involving physical activity (OR=0.7, p<.05) Cricket – outdoor (OR=0.4, p<.001) Cycling/bike riding – BMX (general riding) (OR=0.6, p<.05) Cycling/bike riding – active transport (OR=0.6, p<.01) Netball – outdoor (OR=0.6, p<.05) Walking – dog (OR=0.6, p<.01) 	 Basketball (OR=1.5, p<.05) Gym – cardio exercising excluding fitness classes (OR=1.9, p<.05) Walking – Active transport (OR=1.5, p<.01) Walking – for exercise (OR=1.4, p<.05)

Figure 77. Participation in physical activities for sport, exercise or recreation outside school hours during the past 12 months for Queensland children aged 5–17 years – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)



Question: During the past 12 months, did (Child) participate in any physical activities for sport, exercise or recreation outside school hours? (Base: All parents/carers with a child aged 5 to 17 years)

Table 86. Participation in physical activities for sport, exercise or recreation outside school hours during the past 12 months for Queensland children aged 5–17 years. Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

·	Language background								
Activities		LOTE	E (N=720)		N	lon–LO	TE (N=454	8)	
	%	SE	LCL	UCL	%	SE	LCL	UCL	
Active play	76.7	2.4	71.6	81.1	79.2	1	77.2	81.1	
Chores or work involving physical activity	75	2.2	70.4	79.2	80.2	0.9	78.3	82	
Swimming – leisure (not laps)	52.2	2.8	46.7	57.6	54.9	1.2	52.6	57.2	
Walking – active transport (e.g., to school, shops)	40.7	2.8	35.4	46.3	32.1	1.1	29.9	34.3	
Cycling/bike riding – Footpath/open spaces (not on road)	34.7	2.7	29.6	40.1	35.3	1.2	33.1	37.6	
Scooter riding – general	28.7	2.7	23.7	34.3	32.2	1.1	30	34.4	
Swimming – laps/sprints for fitness	28.5	2.6	23.8	33.8	24.4	1	22.4	26.4	
Walking – for exercise (exclude Active transport to get somewhere)	24.5	2.5	20	29.7	18.6	0.9	16.8	20.5	
Football/soccer – outdoor (SOCCER)	18	2.1	14.4	22.4	17.3	1	15.5	19.3	
Video games – console–based physical activities (e.g., WiiFit, Xbox Kinect, Xbox 360, Playstation)	13.8	2	10.4	18.1	10.8	0.7	9.5	12.4	
Walking – dog	13.6	2	10	18.1	21.2	1	19.4	23.2	
Basketball – other (exclude Aussie Hoops)	10.9	1.8	7.8	15	7.4	0.6	6.2	8.7	
Cycling/bike riding – BMX (general riding)	10.4	1.5	7.8	13.7	15.2	0.8	13.6	17	
Running/jogging – outdoor general	9	1.8	6	13.1	9.7	0.7	8.4	11.2	
Tennis – general (e.g., doubles, singles, practice tennis)	7.7	1.4	5.3	10.9	7	0.6	5.9	8.1	
Ice/snow sports – skiing, snowboarding, ice skating (excluding ice hockey)	6.9	1.8	4.1	11.2	6.1	0.6	5.1	7.4	
Walking – bush walking / hiking	6.9	1.6	4.3	10.9	8.9	0.6	7.7	10.3	
Gym – cardio exercising (exclude fitness classes) (e.g., treadmill, crosstrainer)	6.8	1.5	4.4	10.5	3.8	0.5	2.9	4.8	
Rugby league	6.8	1.6	4.3	10.7	7.8	0.6	6.6	9.1	

Activities	Language background								
		(N=720)		Non-LOTE (N=4548)					
	%	SE	LCL	UCL	%	SE	LCL	UCL	
Cycling/bike riding – active transport (e.g., to school)	6.4	1.2	4.4	9.1	10.9	0.7	9.6	12.4	

Question: During the past 12 months, did (Child) participate in any physical activities for sport, exercise or recreation outside school hours? (Base: All parents/carers with a child aged 5 to 17 years)

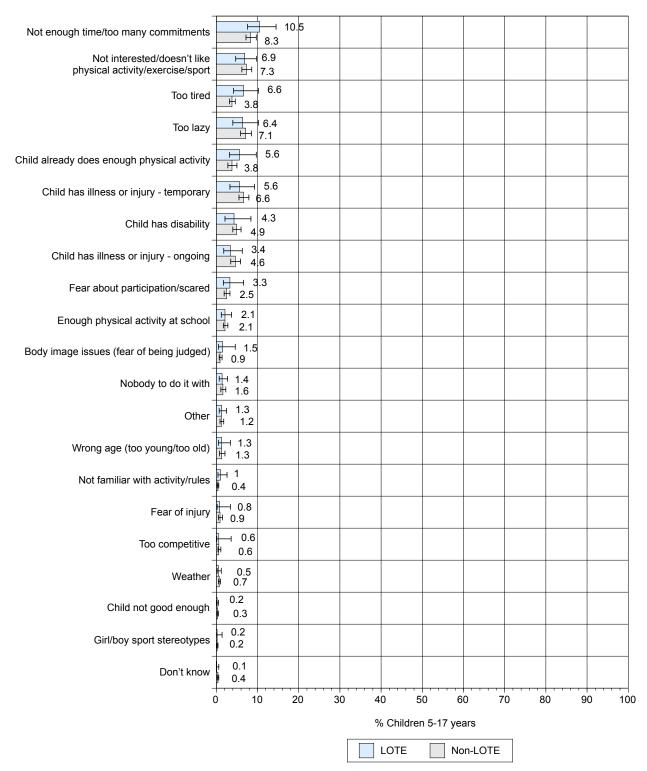
Child related barriers to children doing or increasing physical activity over the past 12 months – children of LOTE background

Child-related barriers for children of LOTE background are detailed in Figure 78 and Table 87.

Parents and carers of children of LOTE background reported the same top two child barriers as parents and carers of non–LOTE children: not enough time/too many commitments (10.5%), not interested/doesn't like physical activity/exercise/sport (6.9%). The third top child barrier for LOTE children was too tired (6.6%), while for non–LOTE children, the third top barrier was too lazy (7.1%).

More than 50% of both groups reported that there were no child barriers. Overall, there were no significant differences in child barriers between children from LOTE and non–LOTE backgrounds.

Figure 78. Child–related barriers to children doing or increasing physical activity over the past 12 months – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)



Question: Were there any barriers for (Child) personally doing or increasing his/her physical activity over the past 12 months? Just barriers for (Child). (Base: All parents/carers with a child aged 5–17 years)

Table 87. Child related barriers to children doing or increasing physical activity over the past 12 months – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

	Language background								
Activities		LOTE	(N=720)		Not LOTE (N=4548)				
	%	SE	LCL	UCL	%	SE	LCL	UCL	
Not interested/doesn't like physical activity/exercise/sport	6.9	1.3	4.7	9.8	7.3	0.6	6.2	8.6	
Too lazy	6.4	1.5	4	10.2	7.1	0.7	5.9	8.5	
Too tired	6.6	1.5	4.2	10.2	3.8	0.4	3.2	4.6	
Not enough time/too many commitments	10.5	1.7	7.6	14.5	8.3	0.6	7.2	9.7	
Fear of injury	0.8	0.6	0.2	3.4	0.9	0.2	0.5	1.5	
Fear about participation/scared	3.3	1.2	1.7	6.6	2.5	0.4	1.9	3.3	
Body image issues (fear of being judged)	1.5	0.9	0.5	4.6	0.9	0.2	0.7	1.4	
Girl/boy sport stereotypes	0.2	0.2	0	1.4	0.2	0.1	0.1	0.4	
Enough physical activity at school	2.1	0.6	1.2	3.7	2.1	0.3	1.7	2.8	
Wrong age (too young/too old)	1.3	0.6	0.5	3.4	1.3	0.3	0.8	2.1	
Child not good enough	0.2	0.1	0.1	0.5	0.3	0.1	0.2	0.5	
Not familiar with activity/rules	1	0.5	0.4	2.6	0.4	0.1	0.2	0.6	
Nobody to do it with	1.4	0.5	0.7	2.7	1.6	0.3	1.1	2.3	
Too competitive	0.6	0.6	0.1	3.6	0.6	0.2	0.4	1.1	
Child has disability	4.3	1.5	2.1	8.4	4.9	0.5	4	6	
Child has illness or injury – Temporary	5.6	1.5	3.3	9.3	6.6	0.6	5.5	7.9	
Child has illness or injury – Ongoing	3.4	1.1	1.8	6.3	4.6	0.6	3.5	5.9	
Other (specify)	1.3	0.4	0.7	2.5	1.2	0.2	0.9	1.8	
Don't know	0.1	0.1	0	0.6	0.4	0.1	0.2	0.6	
Child already does enough physical activity	5.6	1.6	3.2	9.7	3.8	0.5	2.8	5	
No barriers for child	52.8	2.8	47.2	58.2	55.3	1.2	53	57.6	
Weather	0.5	0.2	0.2	1.2	0.7	0.1	0.5	1	

Question: Were there any barriers for (Child) personally doing or increasing his/her physical activity over the past 12 months?

Just barriers for (Child). (Base: All parents/carers with a child aged 5–17 years)

Parent/Carer barriers to children doing or increasing physical activity over the past 12 months – children of LOTE background

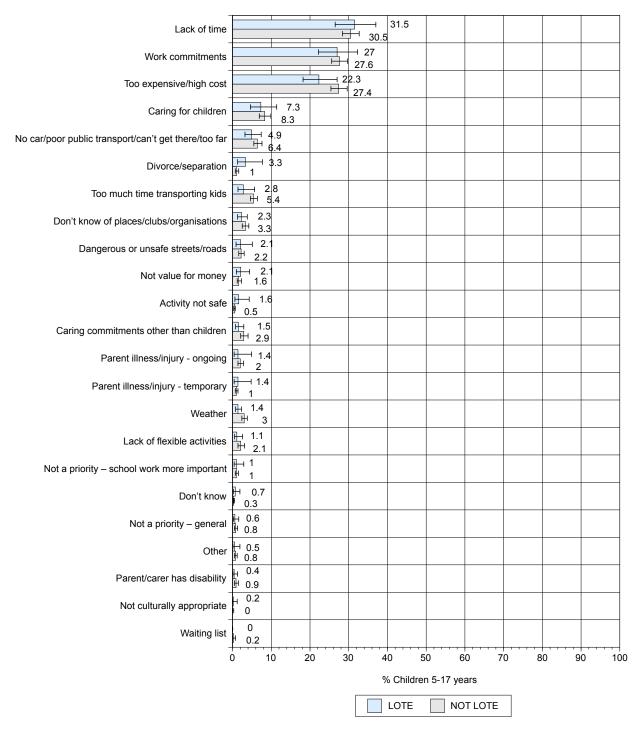
Parent/carer related barriers for children of LOTE background are detailed in Figure 79 and Table 88.

Parents and carers of children from LOTE backgrounds reported the same five top parent/carer barriers as non–LOTE parents/carers – Lack of time (31.5%), work commitments (27%), too expensive/high cost (22.3%), caring for children (7.3%) and no car/poor public transport/can't get there/too far (4.9%).

It should be noted that 41.4% of LOTE parents and carers additionally reported no parent/carer related barriers.

The only significant difference between the groups was that parents and carers of LOTE children were less likely to report weather as a barrier (OR=0.5, p<.01), than parents/carers of non–LOTE children.

Figure 79. Parent/carer barriers to children doing or increasing physical activity over the past 12 months – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)



Question: How about any barriers for you or your spouse as parents/carers? (to child doing or increasing his/her physical activity over the past 12 months?) (Base: All parents/carers with a child aged 5–17 years)

Table 88. Parent/carer barriers to children doing or increasing physical activity over the past 12 months – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

	Language background									
Activities		LOTE ((N=720)		Not LOTE (N=4548)					
	%	SE	LCL	UCL	%	SE	LCL	UCL		
Lack of time	31.5	2.7	26.5	37	30.5	1.1	28.4	32.7		
Not a priority – school work more important	1.0	0.5	0.4	2.9	1.0	0.2	0.7	1.5		
Not a priority – general	0.6	0.3	0.2	1.6	0.8	0.2	0.5	1.3		
Work commitments	27	2.6	22.2	32.3	27.6	1.1	25.6	29.7		
Caring for children	7.3	1.7	4.6	11.4	8.3	0.7	6.9	9.9		
Caring commitments other than children	1.5	0.5	0.8	2.9	2.9	0.5	2.1	4		
No car/poor public transport/can't get there/too far	4.9	1	3.2	7.4	6.4	0.5	5.5	7.6		
Too much time transporting kids	2.8	1	1.4	5.7	5.4	0.5	4.6	6.4		
Too expensive/high cost	22.3	2.3	18.2	27	27.4	1.1	25.4	29.6		
Not value for money	2.1	0.8	1	4.4	1.6	0.3	1.2	2.3		
Don't know of places/clubs/organisations	2.3	0.6	1.3	3.8	3.3	0.4	2.5	4.2		
Waiting list	0	0	0	0	0.2	0.1	0.1	0.8		
Lack of flexible activities	1.1	0.5	0.5	2.6	2.1	0.4	1.4	3.1		
Dangerous or unsafe streets/roads	2.1	1	0.9	5.1	2.2	0.4	1.6	3		
Weather	1.4	0.4	0.8	2.3	3	0.4	2.4	3.8		
Activity not safe	1.6	0.8	0.6	4.3	0.5	0.1	0.3	0.7		
Parent/carer has disability	0.4	0.2	0.1	1.3	0.9	0.2	0.5	1.5		
Parent illness/injury – Temporary	1.4	0.9	0.4	4.8	1	0.2	0.7	1.4		
Parent illness/injury – Ongoing	1.4	0.9	0.4	4.9	2	0.3	1.4	2.8		
Other (specify)	0.5	0.3	0.1	1.9	0.8	0.2	0.5	1.2		
Don't know	0.7	0.4	0.2	1.9	0.3	0.1	0.2	0.5		
Not culturally appropriate	0.2	0.2	0	1.2	0	0	0	0.3		
No barriers for parent	41.4	2.8	36.1	46.9	36.6	1.1	34.4	38.9		
Divorce/separation	3.3	1.5	1.3	7.7	1	0.2	0.7	1.6		

Question: How about any barriers for you or your spouse as parents/carers? (to child doing or increasing his/her physical activity over the past 12 months?) (Base: All parents/carers with a child aged 5–17 years)

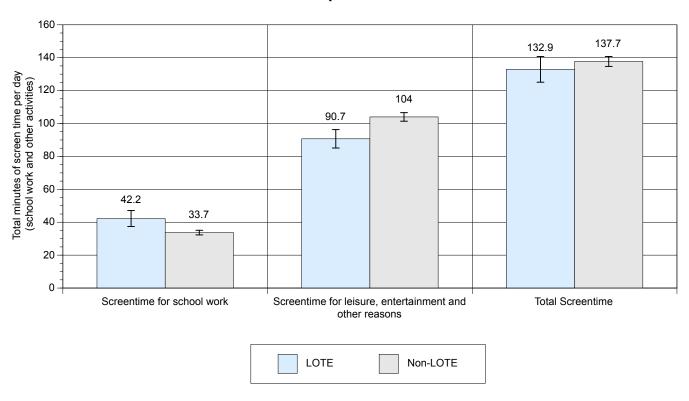
Time spent on screens for school work, leisure, entertainment and other reasons – Children of LOTE background

The amount of time children of LOTE background spent on screens is in Figure 80 and Table 89.

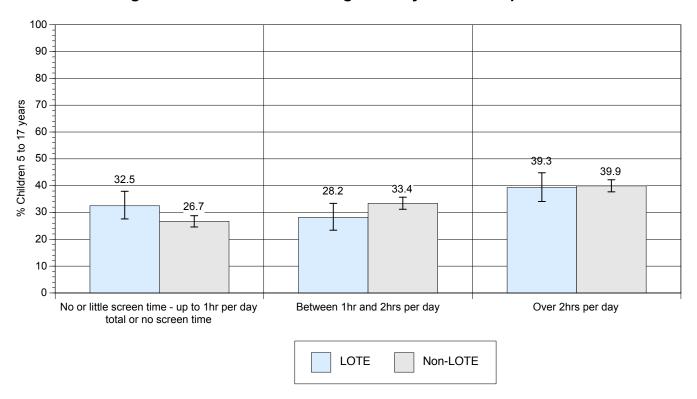
There was no significant difference between children of LOTE and non–LOTE backgrounds in the total amount of reported screen time per day. However, children of LOTE background spent a larger amount of total screen time on school work (p<.01) and a smaller amount of total screen time on leisure, entertainment and other reasons (p<.001), than that children of non–LOTE background.

Figure 80. Amount of time per day Queensland children aged 5–17 years spent on screens for school work or leisure, entertainment and other reasons outside school hours during the past 12 months – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018 to April 2019)

Mean time spent on screens



Percentage of children of LOTE background by total time spent on screens



Question: During the past 12 months, how many minutes per day on average has (Child) spent on screens outside school hours – like TV, tablets, video games and computers? Could you break this into screen time spent on school work and screen time for leisure, entertainment and other reasons? (e.g., TV, Internet, messaging or chats, social media etc.).

(Base: All parents/carers with a child aged 5–17 years)

Table 89. Amount of time per day Queensland children aged 5–17 years spent on screens for school work or leisure, entertainment and other reasons outside school hours during the past 12 months – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

	Language background									
Measures		LOTE (I	N=720)		Not LOTE (N=4548)					
	%	SE	LCL	UCL	%	SE	LCL	UCL		
Screen time for school work										
No screen time on school work	36.1	2.7	31	41.6	39.1	1.2	36.9	41.4		
Up to 1hr per day screen time on school work	49.7	2.8	44.2	55.2	49.3	1.2	47	51.6		
More than 1hr per day screen time on school work	14.2	2	10.8	18.6	11.6	0.7	10.3	13.1		
Screen time for leisure, entertainment a	nd other re	asons								
No screen time on other activities	3.1	0.9	1.7	5.6	2.6	0.3	2	3.4		
Up to 1hr per day screen time on other activities	52.9	2.8	47.4	58.3	45.4	1.2	43.1	47.8		
Between 1 and 2 hrs of screen time on other activities	25.7	2.4	21.3	30.7	32.2	1.1	30.1	34.5		
More than 2hrs of screen time on other activities	18.3	2.2	14.4	23	19.7	0.9	18	21.6		
Total Screen time										
No or little screen time – up to 1hr per day total or no screen time	32.5	2.6	27.6	37.9	26.7	1	24.6	28.8		
Between 1hr and 2hrs per day	28.2	2.5	23.4	33.4	33.4	1.2	31.2	35.7		
Over 2hrs per day	39.3	2.7	34.1	44.8	39.9	1.1	37.7	42.2		
Measures	Mean Minutes/ Day	SE	LCL	UCL	Mean Minutes/ Day	SE	LCL	UCL		
Screen time for school work	42.2	2.5	37.4	47.1	33.7	0.7	32.3	35.1		
Screen time for leisure, entertainment and other reasons	90.7	2.9	85.1	96.3	104	1.3	101.4	106.6		
Total Screen time	132.9	4	125.1	140.7	137.7	1.5	134.7	140.7		

Question: During the past 12 months, how many minutes per day on average has (Child) spent on screens outside school hours – like TV, tablets, video games and computers? Could you break this into screen time spent on school work and screen time for leisure, entertainment and other reasons? (e.g., TV, Internet, messaging or chats, social media etc.).

(Base: All parents/carers with a child aged 5–17 years)

Parent/carer attitudes to physical literacy – Children of LOTE background

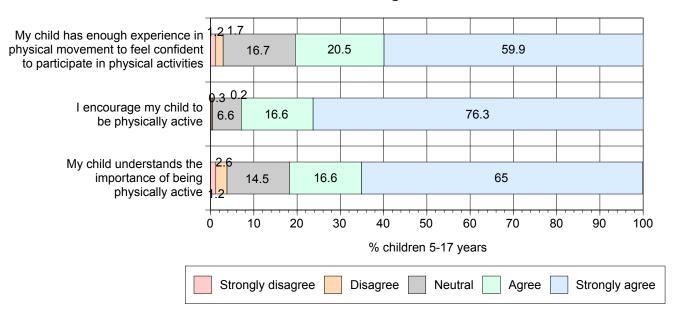
Parent/carer attitudes towards physical literacy for children of LOTE background is in Figure 81 and Table 90.

Significance tests showed that compared to parents/carers of non–LOTE children, parents/carers of LOTE children were less likely to agree that their child had enough experience in physical movement to feel confident to participate in physical activities (p<.001).

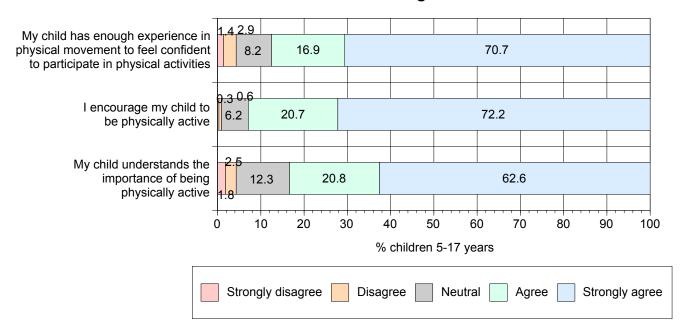
There were no significant differences between the groups in relation to the other two indicators of physical literacy.

Figure 81. Indicators of physical literacy of Queensland children aged 5–17 years – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

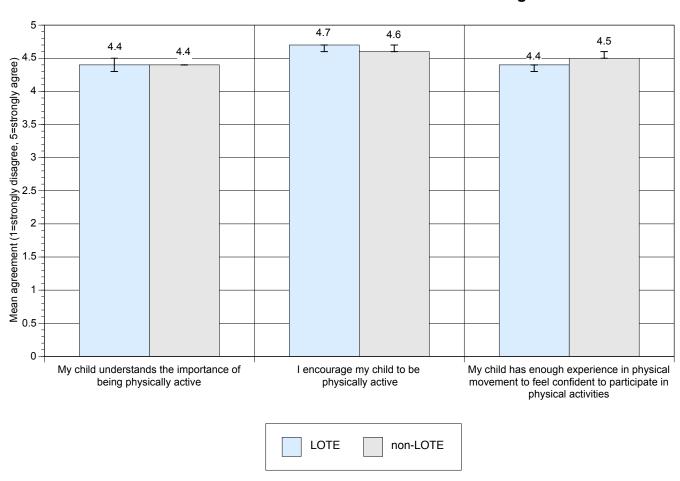
Children of LOTE background



Children of non-LOTE background



Mean results for children of LOTE and non-LOTE backgrounds



Question: How much do you agree or disagree with the following? (1 is strongly disagree, 5 is strongly agree and 3 is neutral)

1. My child understands the importance of being physically active 2. I encourage my child to be physically active 3. My child has enough experience in physical movement to feel confident to participate in physical activities.

(Base: All parents/carers with a child aged 5–17 years)

Table 90. Indicators of physical literacy of Queensland children aged 5–17 years – Results for children of LOTE background (N=720 for LOTE children and N=4548 for non–LOTE children, December 2018–April 2019)

	Language background										
Measure		(N=720)		Not LOTE (N=4548)							
	%	SE	LCL	UCL	%	SE	LCL	UCL			
My child understands the importance	My child understands the importance of being physically active										
Strongly disagree	1.2	0.6	0.5	3	1.8	0.3	1.2	2.5			
Disagree	2.6	0.7	1.5	4.5	2.5	0.4	1.9	3.4			
Neutral	14.5	1.8	11.3	18.5	12.3	0.8	10.8	13.9			
Agree	16.6	2.1	12.8	21.2	20.8	0.9	19	22.7			
Strongly agree	65	2.6	59.7	70	62.6	1.1	60.3	64.8			
I encourage my child to be physically active											
Strongly disagree	0.3	0.1	0.1	0.8	0.3	0.1	0.2	0.5			
Disagree	0.2	0.2	0.1	1	0.6	0.1	0.4	1			
Neutral	6.6	1.3	4.4	9.7	6.2	0.6	5.2	7.3			
Agree	16.6	2	13	20.9	20.7	1	18.9	22.7			
Strongly agree	76.3	2.3	71.5	80.5	72.2	1.1	70.1	74.3			
My child has enough experience in ph	ysical move	ment to	feel conf	fident to p	articipate in	physic	al activitie	es			
Strongly disagree	1.2	0.5	0.5	2.9	1.4	0.3	0.9	2.1			
Disagree	1.7	0.5	0.9	3.1	2.9	0.4	2.2	3.8			
Neutral	16.7	2.2	12.7	21.5	8.2	0.6	7.1	9.4			
Agree	20.5	2.3	16.3	25.5	16.9	0.8	15.3	18.6			
Strongly agree	59.9	2.8	54.3	65.2	70.7	1	68.6	72.7			
Measures	Mean	SE	LCL	UCL	Mean	SE	LCL	UCL			
My child understands the importance of being physically active	4.4	0	4.3	4.5	4.4	0	4.4	4.4			
I encourage my child to be physically active	4.7	0	4.6	4.7	4.6	0	4.6	4.7			
My child has enough experience in physical movement to feel confident to participate in physical activities	4.4	0	4.3	4.4	4.5	0	4.5	4.6			
	*** **					<u> </u>					

Question: How much do you agree or disagree with the following? (1 is strongly disagree, 5 is strongly agree and 3 is neutral)

1. My child understands the importance of being physically active 2. I encourage my child to be physically active 3. My child has enough experience in physical movement to feel confident to participate in physical activities.

(Base: All parents/carers with a child aged 5–17 years)

Other results relating to children of LOTE background

Other results relating to children of LOTE background are presented in Table 115 in Appendix F. Table 116 also contains detailed frequency results of all major physical activities for children of LOTE background. Table 122 provides estimates on the percentage of children of LOTE background who participated in 60 minutes or more physical activity per day.