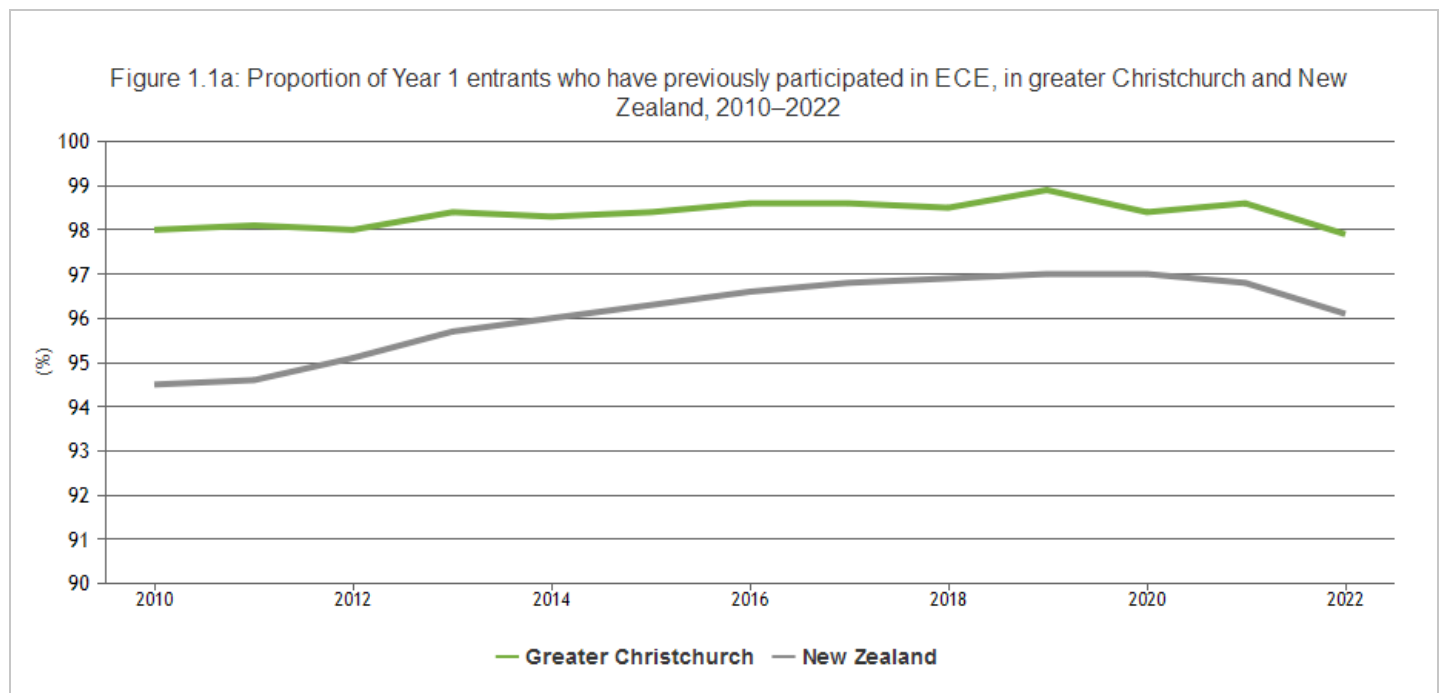


Education: Prior ECE participation and ECE Intensity

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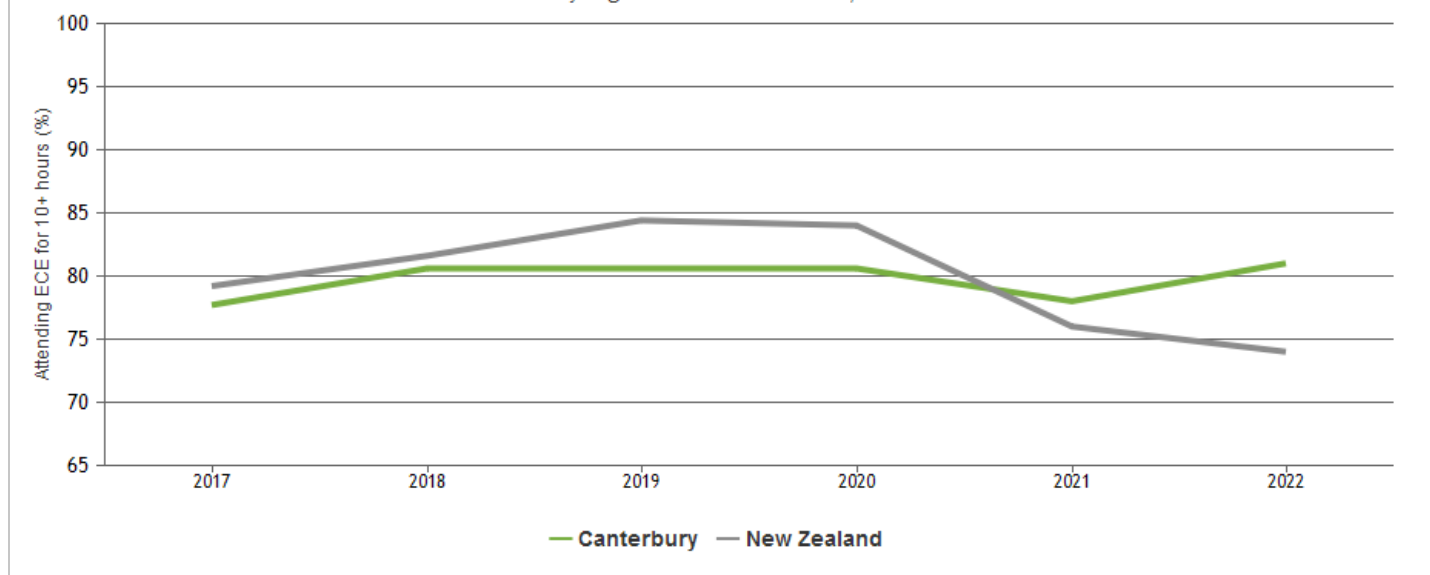
Participation in Early Childhood Education (ECE) has been shown to positively impact literacy, numeracy, and problem-solving skills well into the teenage years. Studies have shown that high-quality ECE also leads to better social outcomes [7,9,10]. ECE participation has been identified as an important factor in supporting vulnerable children and there has been a strong emphasis on increasing participation across New Zealand in recent years (with the target level of 98% having been set in 2012).

This indicator presents the proportion of Year 1 entrants who had regularly attended ECE (booked each week/fortnight, and generally attended) in the sixth months prior to starting school, using Ministry of Education data. Breakdowns of the data show participation in ECE separately for each Territorial Authority, and for greater Christchurch by ethnicity. In addition, Figures 1.1b and 1.2b present the proportion of children attending early childhood education for 10 or more hours a week on average when aged 4 (intensity of ECE attendance).



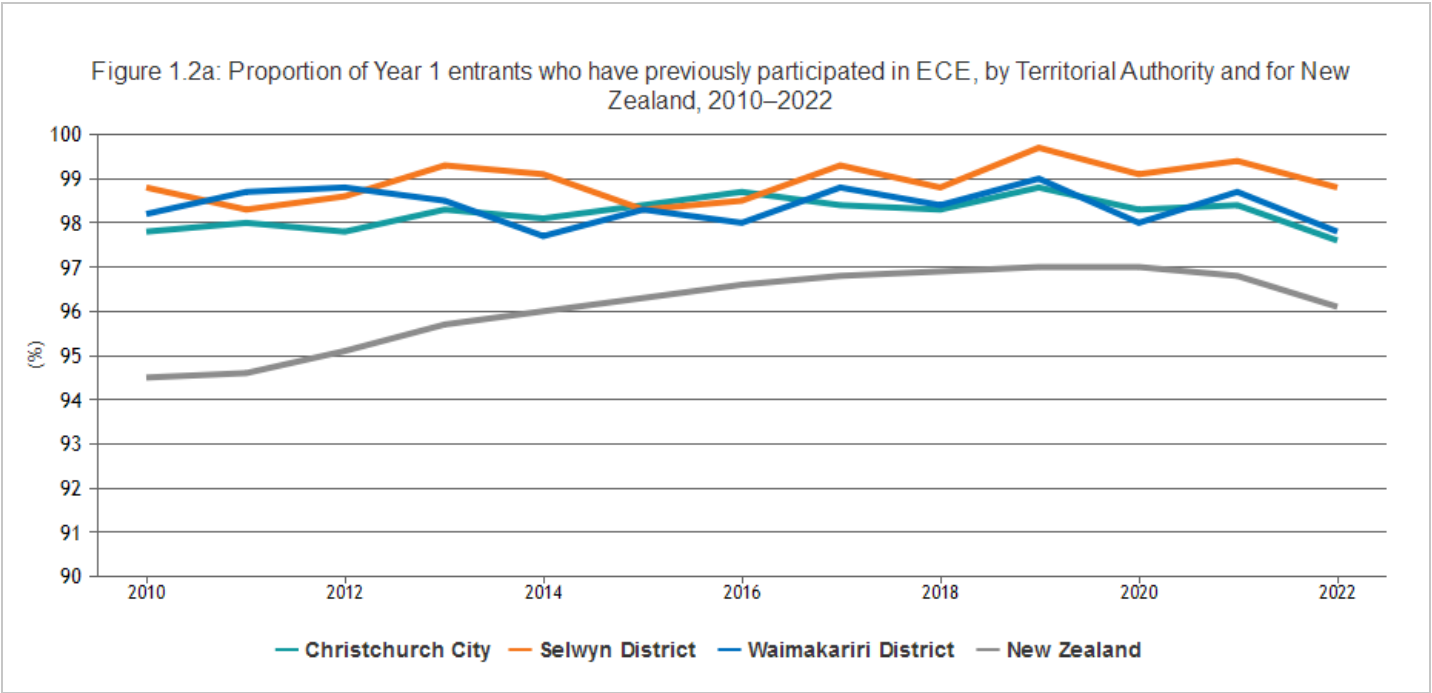
In greater Christchurch, participation in ECE has stayed above the national target for several years, remaining steady at over 98 percent (98.6% in 2021). Nationally, participation in ECE has steadily increased over time, with 96.8 percent of new entrants having attended ECE in the year ending December 2021.

Figure 1.1b: Proportion of children aged 5 attending ECE for 10 or more hours a week on average at age 4, in Canterbury region and New Zealand, 2017–2022

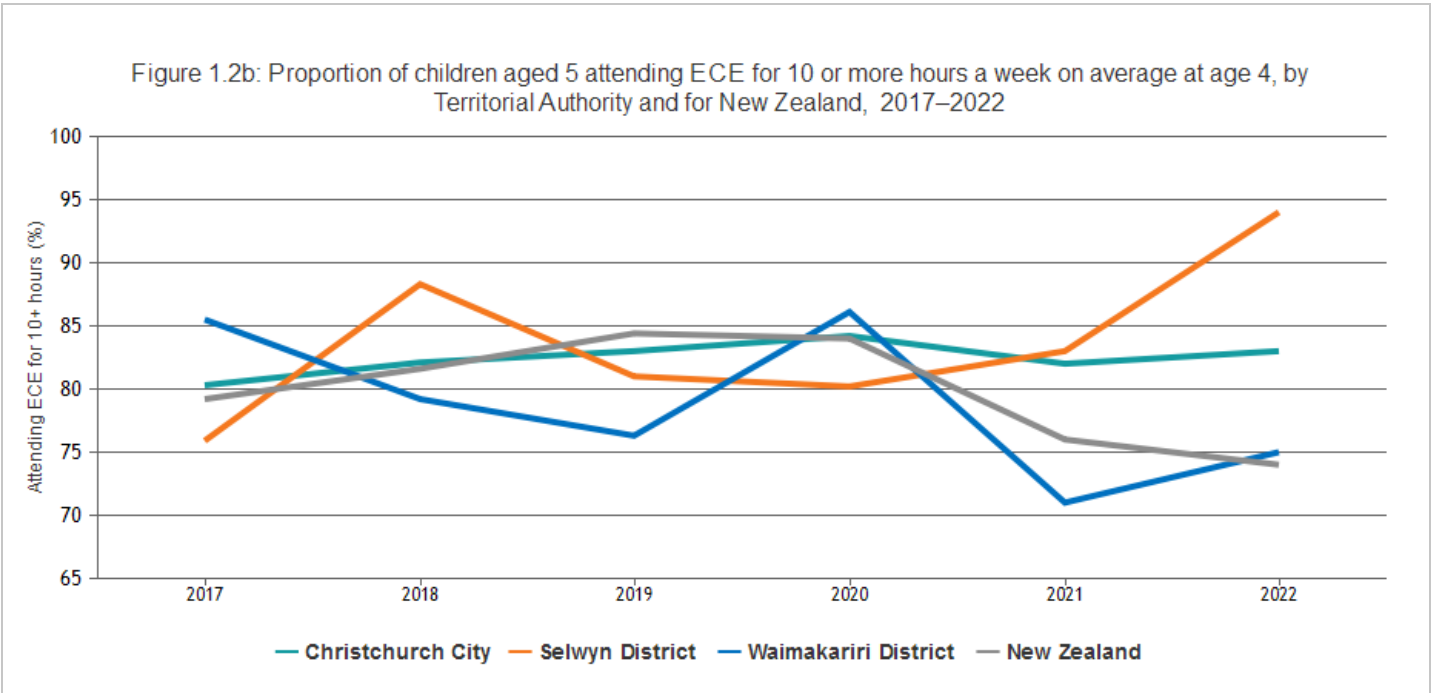


The figure shows that the proportion of children reaching 10 hours of ECE attendance a week on average is notably higher for the Canterbury region than for New Zealand overall, in 2022 (81% and 74%, respectively). The 2020-2022 results are unadjusted for the impacts of the COVID-19 lockdowns and may mostly reflect the impact of COVID-19 on ECE participation - since the New Zealand results being largely driven by Auckland.

Breakdown by Territorial Authority

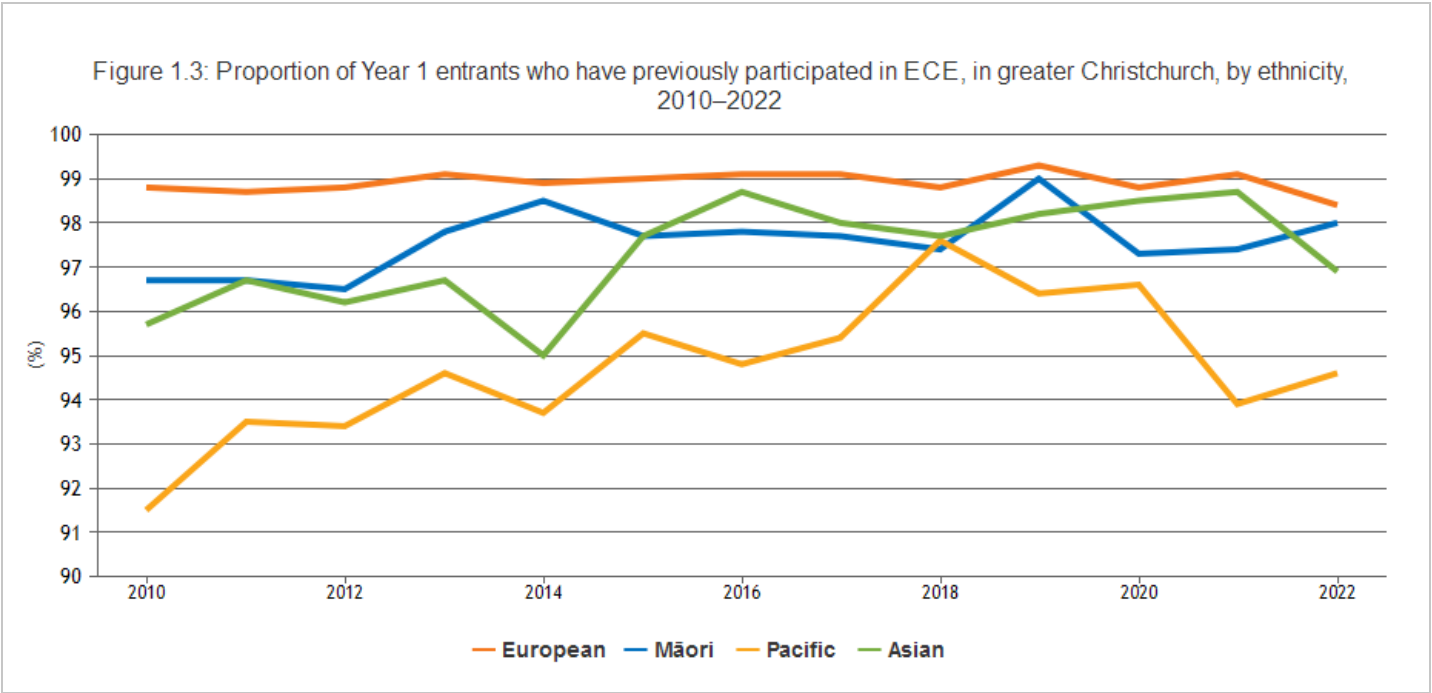


The figure shows participation in ECE for each of the three Territorial Authorities in greater Christchurch. Participation in ECE for each of the three Territorial Authorities appears similar, with rates in Selwyn District and Waimakariri District being within one percentage point of Christchurch City for most years. Selwyn District and Waimakariri District show greater variability in ECE participation rates (due to smaller absolute numbers) but no other differences are evident.



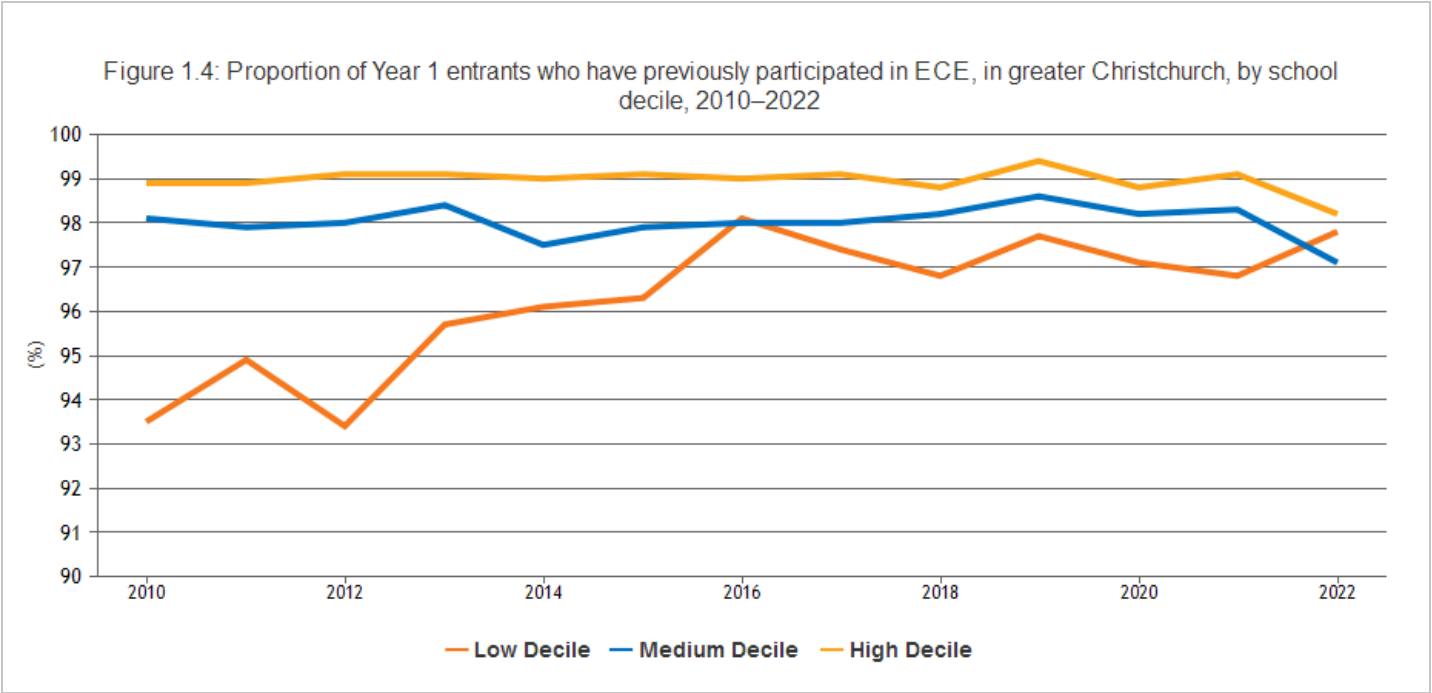
The figure shows similar proportions of children reaching 10 hours of ECE attendance a week on average for each of the three Territorial Authorities in greater Christchurch and for New Zealand overall, for the period 2017-2020. ECE intensity shows greater variability for the period 2020-2022, as these results are unadjusted for the impact of the COVID-19 lockdowns and may mostly reflect the impact of COVID-19 on ECE participation.

Breakdown by ethnicity



The figure shows high and stable ECE participation rates for European/Pākehā children in greater Christchurch for the period 2010–2021 (99.1% in 2021). The figure also shows increasing ECE participation for Māori and Asian children, with both groups reaching the national target for this indicator by 2016, although participation for Māori has subsequently fallen below the target (97.4% for Māori in 2021). ECE participation for Pacific children has also been trending upwards in recent years, and the rate almost reached the national target in 2018, before declining substantially to 93.9% in 2021. ECE participation rates show greater variability for non-European/Pākehā groups due to smaller absolute numbers.

Breakdown by deprivation



The figure shows high and stable ECE participation rates for children in medium and high decile schools in greater Christchurch for the period 2010–2022 (97.1% and 98.2%, respectively, 2022). The figure also shows steadily increasing ECE participation for children in low decile schools over the same time period, with this group reaching the national target for this indicator in 2016 (97.8% in 2022).

Data Sources

Source: Ministry of Education.

Survey/data set: Ministry of Education ENROL Database [for ECE participation] and Early Learning Information (ELI) System [for ECE Intensity].

Access publicly available data from the Education Counts website www.educationcounts.govt.nz

Source data frequency: Annually.

Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/our-wellbeing/index-data>

REFERENCES

This is the full reference list for **Education**.

- 1 Feinstein L, Sabates R, Anderson TM, Sorhaingo A, Hammond C (2006) What are the effects of education on health? Copenhagen Symposium: Measuring the Effects of Education on Health and Civic Engagement. Copenhagen.
- 2 Public Health England (2015) *Local action on health inequalities: Improving health literacy to reduce health inequalities*. London: Public Health England.
- 3 Hughes D, Lauder H, Robinson T, Simiyu I, Watson S, et al. (1999) *Do Schools Make a Difference?: Hierarchical Linear Modelling of School Certificate Results in 23 Schools: The Smithfield Project, Phase Three: Eighth Report to the Ministry of Education*. Wellington.
- 4 CSDH (2008) Closing the gap in a generation: health equity through action on the social determinants of health. Final Report of the Commission on Social Determinants of Health. Geneva: World Health Organization.
- 5 Marmot M (2004) Social Causes of Social Inequalities in Health In: Anand S, Peter F, Sen. AK, editors. Public health, ethics, and equity. Oxford: Oxford University Press on Demand.
- 6 Marmot M, Bell R (2012) Fair society, healthy lives. *Public Health* 126: S4-10.
- 7 Mitchell L, Wylie C, Carr M (2008) *Outcomes of early childhood education: Literature review. A report by the New Zealand Council for Educational Research for the Ministry of Education*. Wellington: Ministry of Education.
- 8 Ross CE, Wu C-I (1995) The Links Between Education and Health. *American Sociological Review* 60: 719-745.
- 9 OECD (2013) *OECD Indicators: Education at a Glance 2013*. Paris: OECD.
- 10 Wylie C, Hodgen E, Hipkins R, Vaughan K (2009) *Competent learners on the edge of adulthood: A summary of key findings from the Competent Learners @ 16 project*. Wellington: Ministry of Education and New Zealand Centre for Education Research.
- 11 OECD (2017) *Education at a Glance 2017: OECD Indicators*. Paris: OECD Publishing.
- 12 Allen M (2014) *Local action on health inequalities: Reducing the number of young people not in employment, education or training (NEET)*. Nottingham: Department for Children, Schools and Families.
- 13 Statistics New Zealand (2011) *Introducing the youth not in employment, education, or training indicator*. Wellington: Statistics New Zealand.
- 14 International Labour Organization (2011) *Manual on decent work indicators (DWIs): Methodology and progress. How can DWIs and ILO's manual be used for quality of employment work?* Geneva: International Labour Organization.