

# Child care services, socioeconomic inequalities, and academic performance <sup>[1]</sup>

Pediatrics December 2015, Volume 136 / Issue 6

**Author:**

Laurin, Julie C.; Geoffroy, Marie-Claude; Boivin, Michel; Japel, Christa; Raynault, Marie-France; Tremblay, Richard E. & Côté, Sylvana M.

**Source:** Pediatrics

**Format:** Article

**Publication Date:** 1 Dec 2015

AVAILABILITY

Full article PDF <sup>[2]</sup>

## Abstract

**Objective:** To determine if child-care services (CCS) at a population level can reduce social inequalities in academic performance until early adolescence.

**Methods:** A 12-year population-based prospective cohort study of families with a newborn (n = 1269). Two CCS variables were estimated: “intensity” (low, moderate, and high number of hours) and “center-based CCS type” (early onset, late onset, and never exposed to center-based CCS).

**Results:** Children from low socioeconomic status (SES) families who received high-intensity CCS (any type), compared with those who received low-intensity CCS, had significantly better reading (standardized effect size [ES] = 0.37), writing (ES = 0.37), and mathematics (ES = 0.46) scores. Children from low-SES families who received center-based CCS, compared with those who never attended center care, had significantly better reading (ES<sub>early onset</sub> = 0.68; ES<sub>late onset</sub> = 0.37), writing (ES<sub>early onset</sub> = 0.79), and mathematics (ES<sub>early onset</sub> = 0.66; ES<sub>late onset</sub> = 0.39) scores. Furthermore, early participation in center-based CCS eliminated the differences between children of low and adequate SES on all 3 examinations (ES = -0.01, 0.13, and -0.02 for reading, writing, and mathematics, respectively). These results were obtained while controlling for a wide range of child and family variables from birth to school entry.

**Conclusions:** Child care services (any type) can reduce the social inequalities in academic performance up to early adolescence, while early participation in center-based CCS can eliminate this inequality. CCS use, especially early participation in center-based CCS, should be strongly encouraged for children growing up in a low-SES family.

**Region:** Quebec <sup>[3]</sup>

**Tags:** child development <sup>[4]</sup>

inequality <sup>[5]</sup>

**Source URL (modified on 27 Jan 2022):** <https://childcarecanada.org/documents/research-policy-practice/16/04/child-care-services-socioeconomic-inequalities-and-academic>

**Links**

[1] <https://childcarecanada.org/documents/research-policy-practice/16/04/child-care-services-socioeconomic-inequalities-and-academic> <sup>[2]</sup>

<https://pediatrics.aappublications.org/content/pediatrics/136/6/1112.full.pdf> [3] <https://childcarecanada.org/taxonomy/term/7855> [4]

<https://childcarecanada.org/category/tags/child-development> [5] <https://childcarecanada.org/category/tags/inequality-0>