

Using Child Assessment Data to Support the **TOYBOX** Early Intervention Program in Canada



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INTRODUCTION

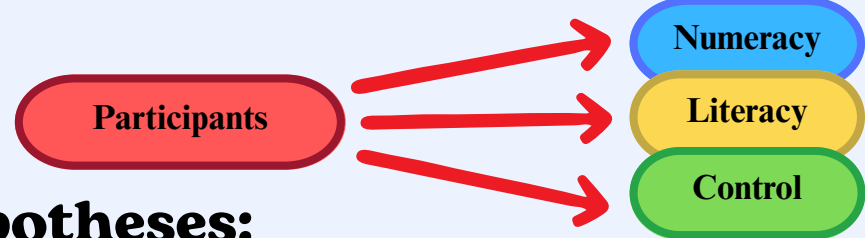
TOYBOX provides free peer-reviewed, curriculum-based *numeracy*, *literacy* and *wellness* activities for caregivers and their 2-8 year old children.

TOYBOX 为看护人及其孩子提供免费的、经过同行评审并基于课程的数学与读写活动。

Study Purpose:

Do children's scores improve when exposed to TOYBOX learning activities after 5 weeks?

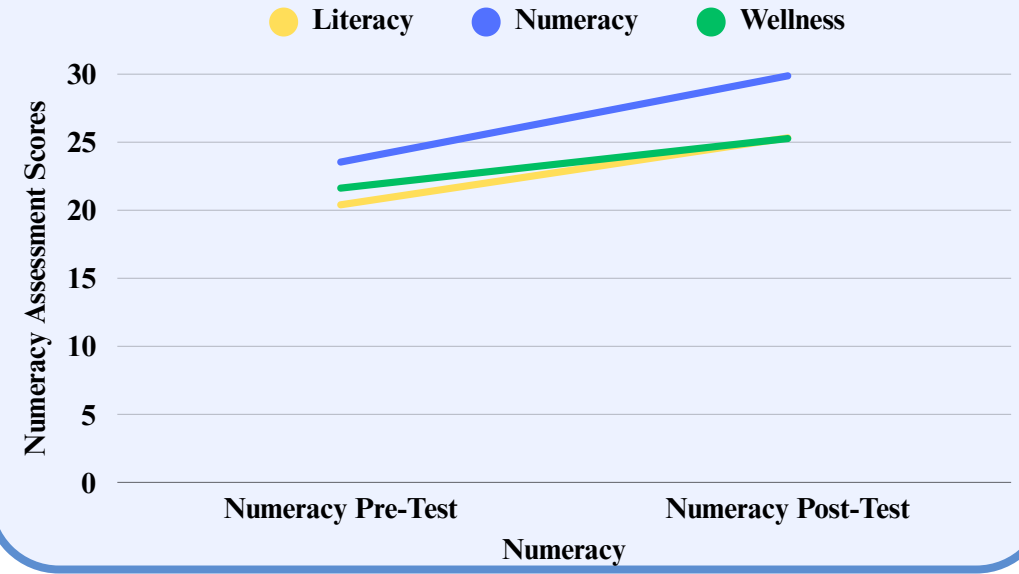
在参与 TOYBOX 学习活动 5 周后，孩子们的成绩是否有所提升？



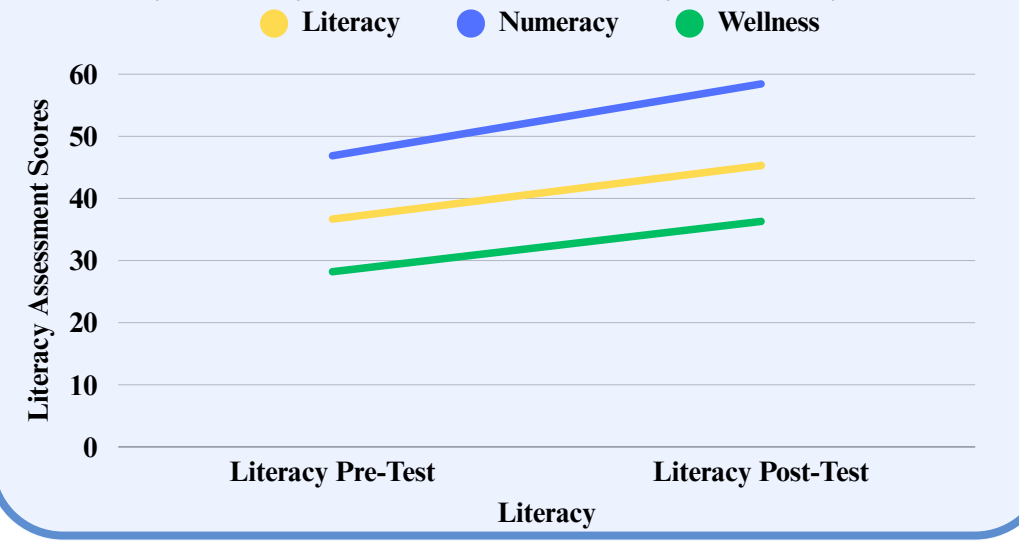
Hypotheses:

- Numbers group will show improvement in numeracy (but not literacy).
- Letters group will show improvement in literacy (but not numeracy).
- Wellness (control) group will show no academic improvement.

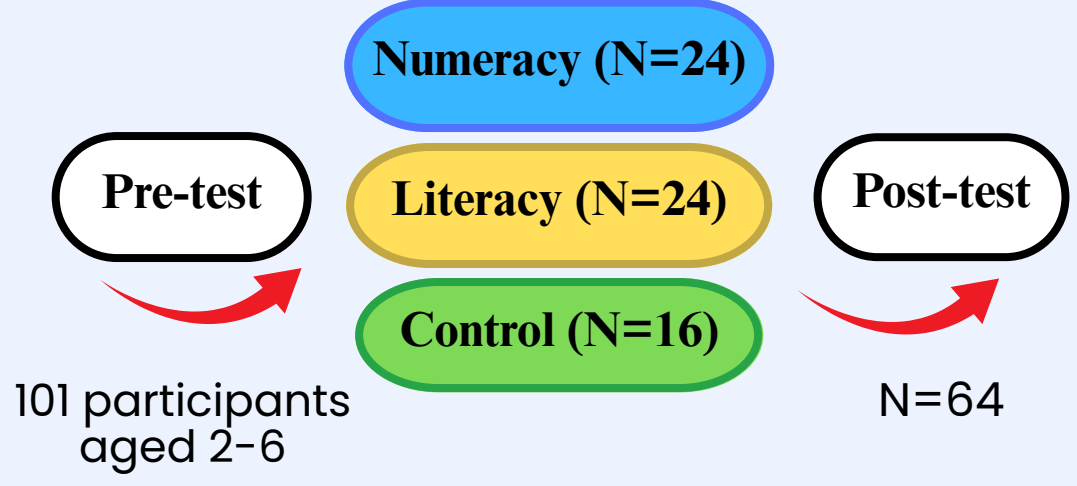
NUMERACY RESULTS



LITERACY RESULTS



METHOD



Test Measures: Upper and lower case letter and sound ID; counting, cardinality, number ID, PENNs

Intervention Activities

- Letter Bingo
- Letter Bowling
- Dice Bingo
- Number Hunt



CONCLUSION

Preschool intervention work is difficult! 学前干预工作很困难!

Time spent on TOYBOX activities predicted learning in all areas. No group effects.

参与 TOYBOX 活动的时间可以预测各个领域的学习情况。没有群体效应。

Individual learning time likely affected children's confidence, improving post test scores.

个别学习时间可能影响了孩子的自信心，从而提高了后测成绩。

