

# BENEFITS OF PRE-KINDERGARTEN FOR 4-YEAR-OLDS IN BALTIMORE, MD

Results from a 2016-2018 evaluation by the Center for Early Childhood Education and Intervention at the University of Maryland, College Park

- BALTIMORE CITY EXPANDED PRE-K SERVICES FOR FAMILIES UNDER 300% OF THE FEDERAL POVERTY LEVEL IN 2016.
- THIS EVALUATION COMPARED CHILDREN WHO HAD RECEIVED PRE-K TO CHILDREN WHO HAD NOT YET RECEIVED PRE-K.

## 997 PRE-K STUDENTS

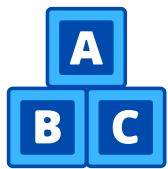
4-YEAR-OLDS WHO ATTENDED PRE-K IN 2016-17

AND

4-YEAR-OLDS SCHEDULED TO ATTEND PRE-K IN 2017-18

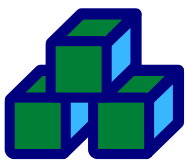
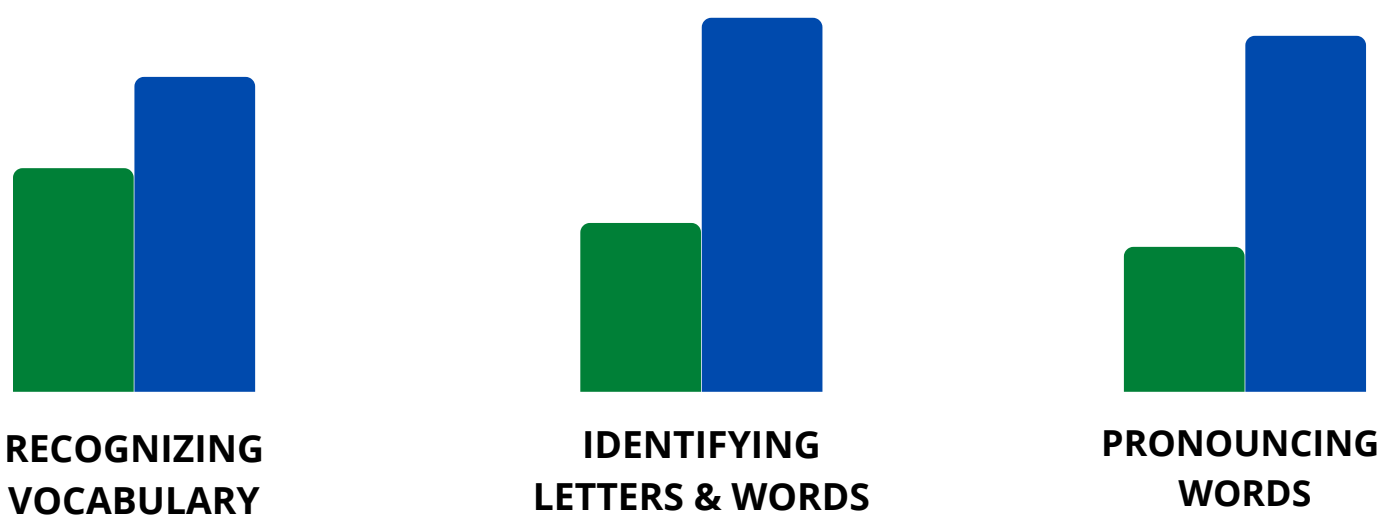
## EFFECTS OF PRE-K ON CHILD OUTCOMES

- CHILDREN WERE ASSESSED ON LANGUAGE/LITERACY, MATHEMATICS, AND EXECUTIVE FUNCTIONING USING WELL-VALIDATED MEASURES.
- THE CHARTS BELOW SHOW SIGNIFICANT DIFFERENCES BETWEEN GROUPS.
- CHILDREN WHO ATTENDED PRE-K HAD HIGHER SCORES ON THREE MEASURES OF LANGUAGE/LITERACY AND ONE MEASURE OF MATHEMATICS.



### LANGUAGE & LITERACY

NO PRE-K  
PRE-K



### MATHEMATICS

SOLVING/ANALYZING MATH PROBLEMS



#### NOTES

- CHARTS ABOVE SHOW DIFFERENCES BETWEEN GROUPS WHEN THE SAMPLE WAS RESTRICTED TO CHILDREN WHO WERE LESS THAN THREE MONTHS APART IN AGE.
- CHILDREN WERE ASSESSED USING THE PEABODY PICTURE VOCABULARY TEST AND THE WOODCOCK JOHNSON TESTS OF ACHIEVEMENT.
- PRE-K HAD NO SIGNIFICANT IMPACTS ON CHILDREN'S ABILITY TO UNDERSTAND LANGUAGE OR THEIR EXECUTIVE FUNCTIONING.

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