



# EFFICACY STUDY MOY SUMMARY 2023-2024



## STUDY SUMMARY

Two schools in Boerne, Texas were selected to pilot 95 Phonics Core Program in grades 4 and 5 during the 2023-2024 school year. This brief highlights the growth of these students from beginning-of-year (BOY) to middle-of-year (MOY) on both the Istation Indicators of Progress (ISIP) Early Reading district wide assessment and the 95 Phonics core Program Assessment. This analysis completed by a third party research firm, LXD Research, provides promising results for using 95 PCP in 4th and 5th grade in just half a year.

## PROGRAM DESCRIPTION

95 Phonics Core Program (95 PCP) is a Tier 1, phonics curriculum designed for grades K-5 to support students with phonics and morphology skills and reading more intricate texts. For grades 4 and 5, the 30-minute daily lessons focus on word study where students move beyond simple decoding where they can understand words in decodable and non-decodable text passages. The lessons include explicit instruction on syllable types and morphology, reading authentic texts, and demonstrating comprehension through oral and written responses

## STUDY DETAILS

### Location

Texas

### Analysis Sample Sizes

#### Grade 4

- 227 students

#### Grade 5

- 220 students

### Demographics

63% White | 29% Hispanic

20% SPED | 13% Economic Disadvantage

### Time Frame

August 2023-December 2023

### Implementation Description

- Treatment teachers used 95 PCP for their Tier 1 core phonics instruction every day

### Methodology

- Compared BOY-MOY scores on ISIP and 95 PCP assessment.

## KEY FINDINGS: ISIP

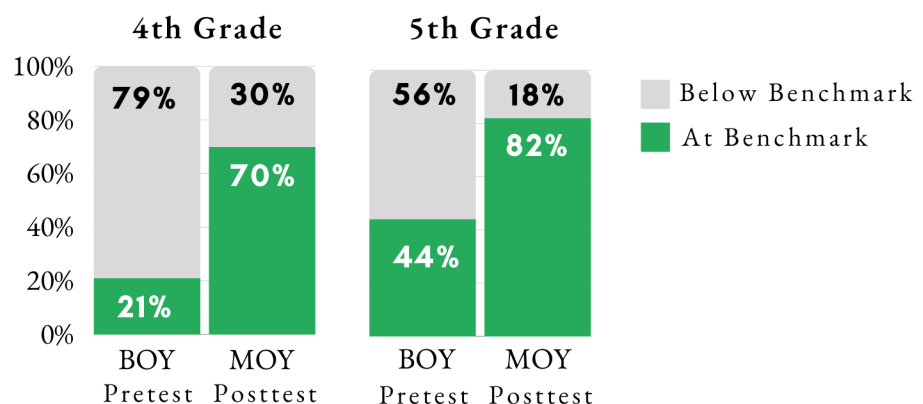
Each grade showed significant growth from BOY to MOY, with 4th grade growing 22 points and 5th grade growing 15 points. Also, 4th and 5th graders showed significant growth on all ISIP subdomains BOY-MOY (page 2).

## ISIP Overall Score Growth from BOY to MOY

Grade	BOY		MOY		Statistically significant growth from BOY to MOY?
	Mean	Standard Deviation	Mean	Standard Deviation	
4th	510	51.17	532	53.85	Yes +22 points: $t = 10.9, p < .05$
5th	554	57.68	569	59.31	Yes +15 points: $t = 7.3, p < .05$

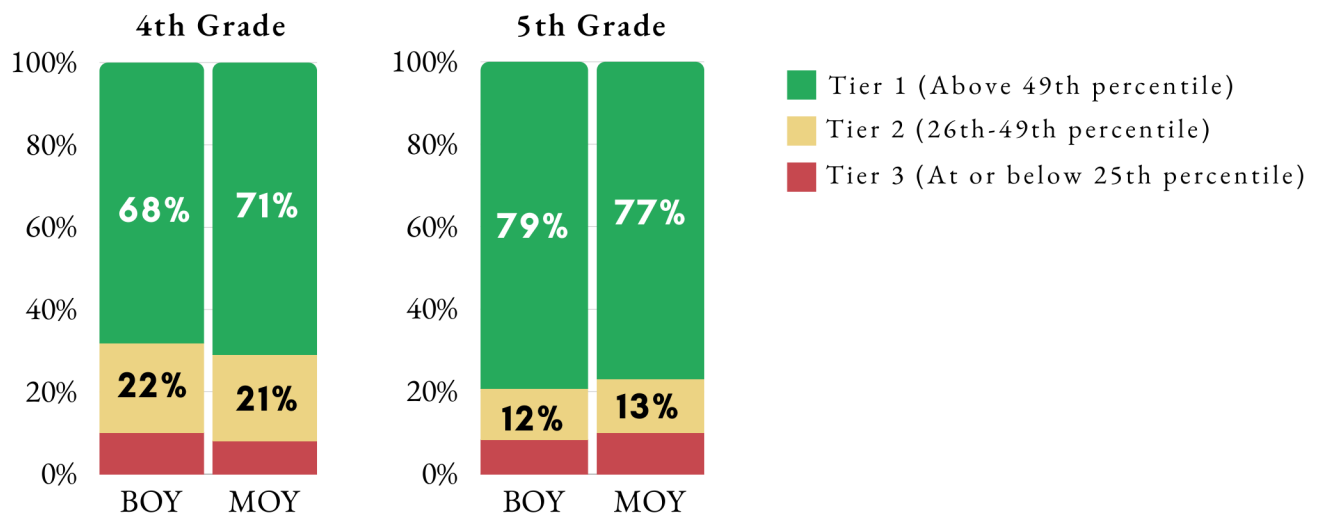
## KEY FINDINGS: 95 PCP ASSESSMENTS

The assessment results were aligned with improvements seen on the 95 PCP unit assessments. At pretest, most students were Below Benchmark, unfamiliar with the skills. By mid-year, students gained mastery of the skills and most students were At Benchmark (scoring above 70%) on the end-of-unit test in January.



### ISIP BOY & MOY Overall Performance Levels By Grade

On the ISIP assessment, the proportion of students in each of the tiers remained relatively stable. In fourth grade, there were more 4th grade students considered Tier 1 (above 49th percentile) at the MOY than at the BOY. Because students spent much of the first half of the year learning new word study skills, more time may be needed for students to increase their automaticity in applying these skills. The study will follow students through to the end of the year to see how the new word study skills learned in the 95 PCP transfer to the assessments focused on reading fluency and comprehension.



### ISIP Domain Findings

For both grades, students who received the 95 PCP showed statistically significant gains from BOY to MOY for each ISIP domain. The table below shows how many points students grew from BOY to MOY. All gains were statistically significant; statistical results are available in the appendix.

	4th Grade	5th Grade
Comprehension Score	+44	+32
Vocabulary Score	+27	+22
Spelling Score	+24	+14
Text Fluency Score	+16	+11

## Appendix for ISIP Findings

4th and 5th grade each showed significant growth from BOY to MOY for each subdomain:

- 4th grade
  - Overall Scores:  $t = 10.9^*$
  - Comprehension scores:  $t = 11.8^*$
  - Vocabulary scores:  $t = 10.7^*$
  - Spelling scores:  $t = 10.8^*$
  - Text fluency scores:  $t = 6.8^*$
- 5th grade
  - Overall Scores:  $t = 7.3^*$
  - Comprehension scores:  $t = 7.56^*$
  - Vocabulary scores:  $t = 6.8^*$
  - Spelling scores:  $t = 8.7^*$
  - Text fluency scores:  $t = 4.4^*$

\*  $p < .05$