i-Ready Personalized Instruction and New York State Assessment Performance

Curriculum Associates Research | November 2024

Research Overview

To understand the association between the use of *i-Ready Personalized Instruction* (PI) and performance on the New York state assessment, the New York State Testing Program (NYSTP), Curriculum Associates evaluated NYSTP scores and proficiency levels. Analyses included 37,084 students who used *i-Ready* PI during the 2022–2023 school year. These analyses examined the difference in state scores and proficiency rates between students who used *i-Ready* PI as intended and students using the program less consistently, accounting for fall performance. For reading, students who used *i-Ready* PI with fidelity demonstrated higher state test scores and were more likely to be proficient in most grades. For mathematics, fidelity users showed higher state test scores and were more likely to be proficient in all grades.
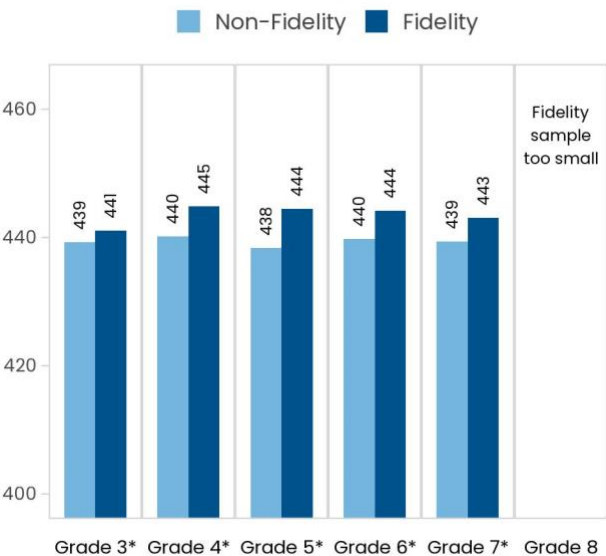
RESEARCH SAMPLE
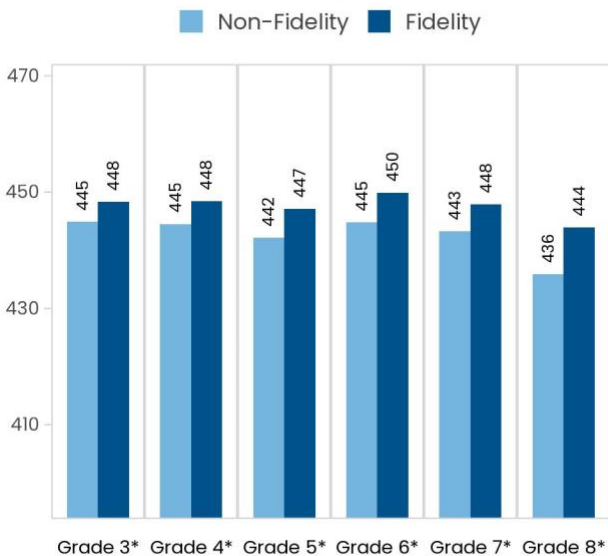**37,084** students
159 schools
26 districts

FIDELITY USE
≥ 70% pass rate
≥ 18 weeks per year
≥ 30 minutes per week

NYSTP Reading Scores by Fidelity Use

Non-Fidelity ■ Fidelity

Grade 3*: 439, 441
Grade 4*: 440, 445
Grade 5*: 438, 444
Grade 6*: 440, 444
Grade 7*: 439, 443
Grade 8: Fidelity sample too small

NYSTP Mathematics Scores by Fidelity Use

Non-Fidelity ■ Fidelity

Grade 3*: 445, 448
Grade 4*: 445, 448
Grade 5*: 442, 447
Grade 6*: 445, 450
Grade 7*: 443, 448
Grade 8*: 436, 444

Note: *$p < .05$; State scores presented above reflect adjusted averages accounting for fall baseline performance. The non-fidelity group includes students whose *i-Ready* PI use was not sufficient to meet fidelity standards.

Methods: Researchers used statistical modeling to evaluate student performance (state test scores and proficiency rates) based on *i-Ready* PI usage. These models, graphed above, adjust for fall *i-Ready Diagnostic* scores to account for student performance at school entry. Reading and mathematics scores were modeled separately by grade level. All models removed outliers in *i-Ready* PI usage. All results are correlational, testing if *i-Ready* PI usage is associated with differences in state scores/proficiency.