i-Ready Personalized Instruction and Michigan 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 Michigan state assessment, the Michigan Student Test of Educational Progress (M-STEP), Curriculum Associates evaluated M-STEP scores and proficiency levels. Analyses included 30,110 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. In both reading and mathematics, students who used *i-Ready* PI with fidelity demonstrated higher state test scores and were more likely to be proficient in all grades.
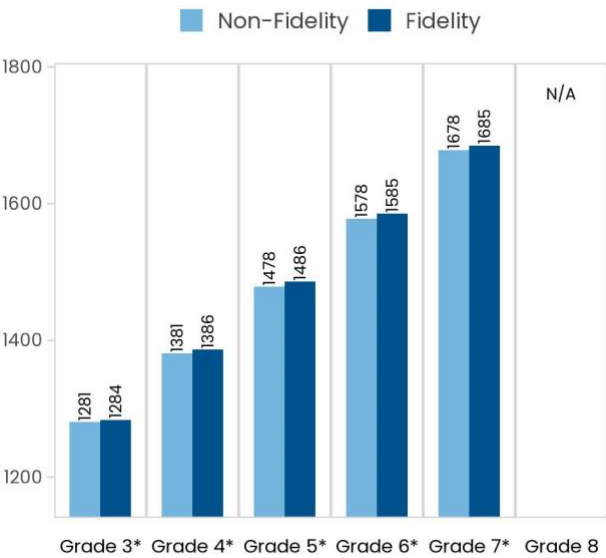
RESEARCH SAMPLE
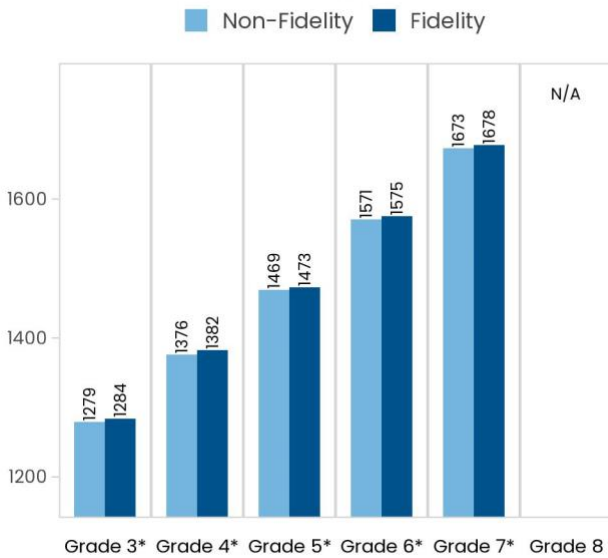**30,110** students
139 schools
11 districts

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

M-STEP Reading Scores by Fidelity Use

Non-Fidelity | Fidelity

Grade 3*: 1281, 1284
Grade 4*: 1381, 1386
Grade 5*: 1478, 1486
Grade 6*: 1578, 1585
Grade 7*: 1678, 1685
Grade 8: N/A

M-STEP Mathematics Scores by Fidelity Use

Non-Fidelity | Fidelity

Grade 3*: 1279, 1284
Grade 4*: 1376, 1382
Grade 5*: 1469, 1473
Grade 6*: 1571, 1575
Grade 7*: 1673, 1678
Grade 8: N/A

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.