

i-Ready Personalized Instruction and Colorado 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 Colorado state assessment, the Colorado Measures of Academic Success (CMAS), Curriculum Associates evaluated CMAS scores and proficiency levels. Analyses included 45,824 students who used *i-Ready* PI during the 2021–2022 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

45,824 students

251 schools

14 districts

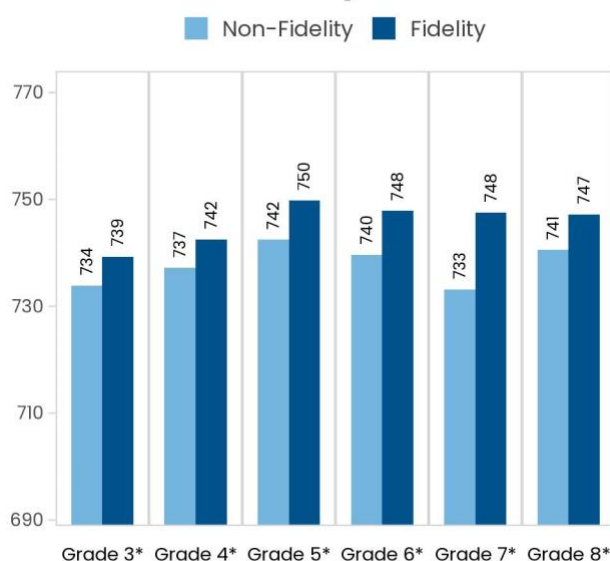
FIDELITY USE

≥ 70% pass rate

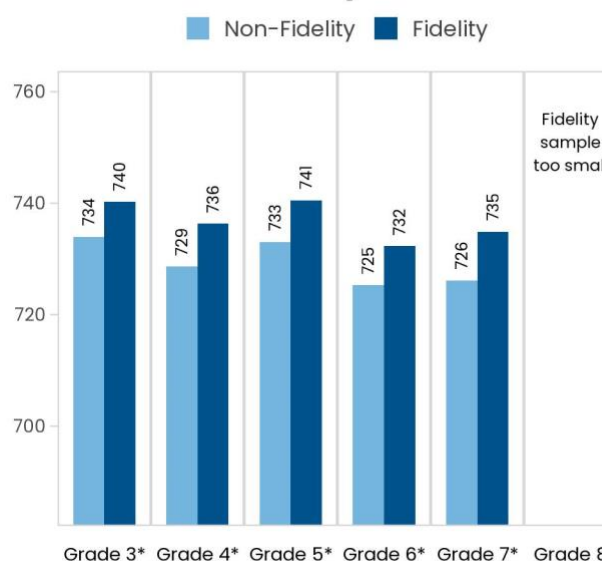
≥ 18 weeks per year

≥ 30 minutes per week

CMAS Reading Scores by Fidelity Use



CMAS Mathematics Scores by Fidelity Use



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.