



***i-Ready Diagnostic* and Michigan Student Test of Educational Progress (M-STEP) Linking Study Overview**

Curriculum Associates, in partnership with the Educational Research Institute of America (ERIA), conducted a large-scale study on the relationship between *i-Ready Diagnostic* and the 2017 M-STEP. The research found a high correlation between *i-Ready Diagnostic* and the M-STEP. *i-Ready* was also shown to accurately predict end-of-year proficiency rates.

About the Research

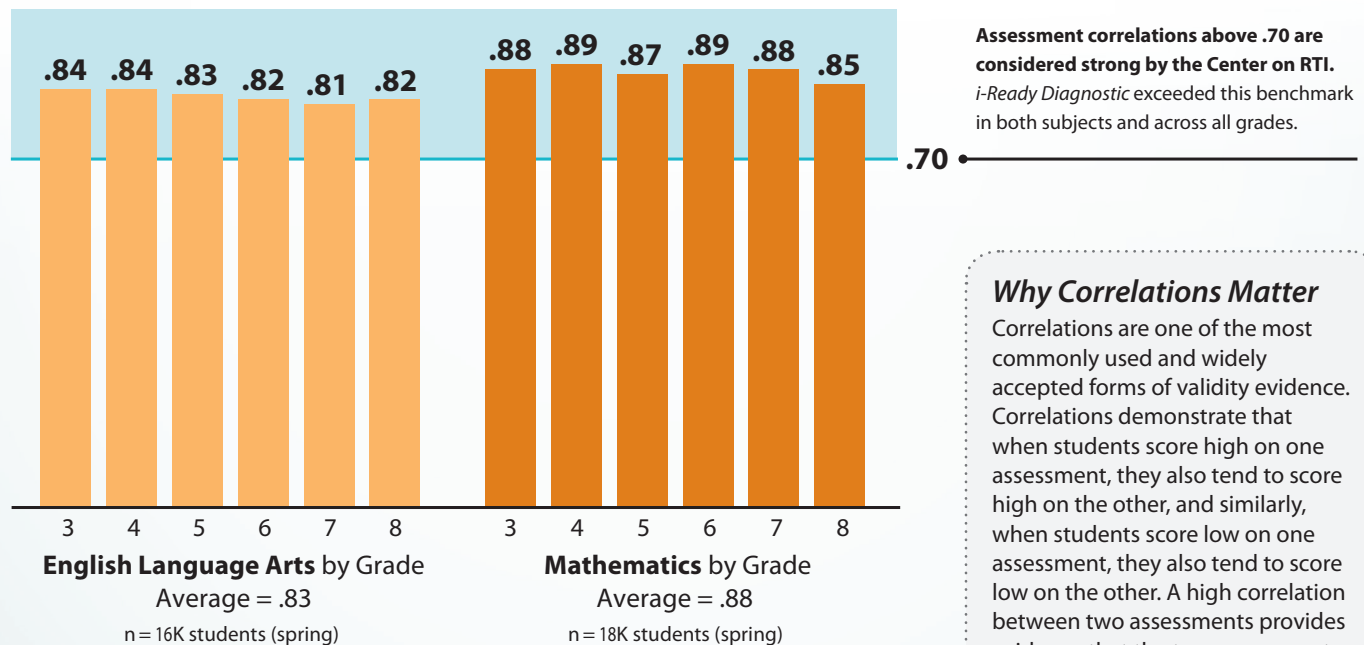
ERIA collected data from approximately 20,000 students across 10 districts in Michigan. The research includes the following analyses:

- Correlations between M-STEP and *i-Ready Diagnostic*
- Analysis of *i-Ready Diagnostic* placements and student proficiency, as measured by M-STEP
- Creation of a proficiency prediction model using 2016–2017 data that allows educators to use *i-Ready Diagnostic* data to predict end-of-year proficiency on their state assessment

Correlation Between *i-Ready Diagnostic* and M-STEP

The research study found a strong correlation between *i-Ready Diagnostic* scores and scores on the M-STEP assessments administered in 2017.

Correlations Between the Spring *i-Ready Diagnostic* and the 2017 M-STEP



Why Correlations Matter

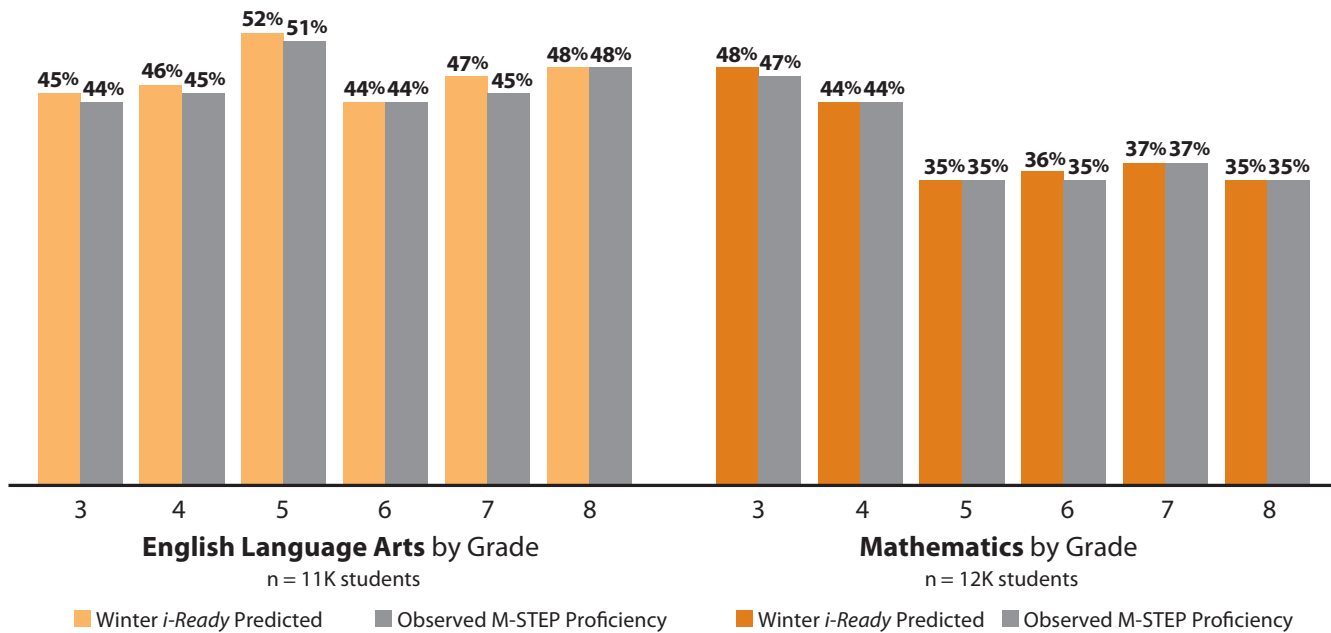
Correlations are one of the most commonly used and widely accepted forms of validity evidence. Correlations demonstrate that when students score high on one assessment, they also tend to score high on the other, and similarly, when students score low on one assessment, they also tend to score low on the other. A high correlation between two assessments provides evidence that the two assessments are measuring similar constructs.

Predicted Proficiency Rates

Based on strong validity evidence and the needs of educators using *i-Ready*, the Curriculum Associates team developed a prediction model for M-STEP assessment results using logistic regression analysis. **The model proved to be highly accurate in forecasting aggregate proficiency rates across grades and subjects.**

Comparison of Predicted and Observed Proficiency Rates for 2017 M-STEP

i-Ready's predicted proficiency rates were remarkably consistent with observed (actual) M-STEP proficiency rates—often within 1% of observed proficiency for the sample.



Note: The charts above use assessment scores from more than 11,000 winter *i-Ready Diagnostics* and students' corresponding M-STEP scores; similar accuracy was observed across fall, winter, and spring testing scores.

Summary of Research Findings

Findings from the research demonstrate that:

- *i-Ready Diagnostic* scores are strongly correlated with the scores on M-STEP.
- *i-Ready Diagnostic* scores can be used to accurately predict and classify students' proficiency on the 2017 M-STEP.

Want a copy of the full study?

Contact your local Curriculum Associates representative or call Customer Service at (800) 225-0248.

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