

***i-Ready Diagnostic* and Smarter Balanced Assessment Consortium (SBAC) 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 2016 SBAC. The research found a high correlation between *i-Ready Diagnostic* and the SBAC. *i-Ready* was also shown to accurately predict end-of-year proficiency rates.

About the Research

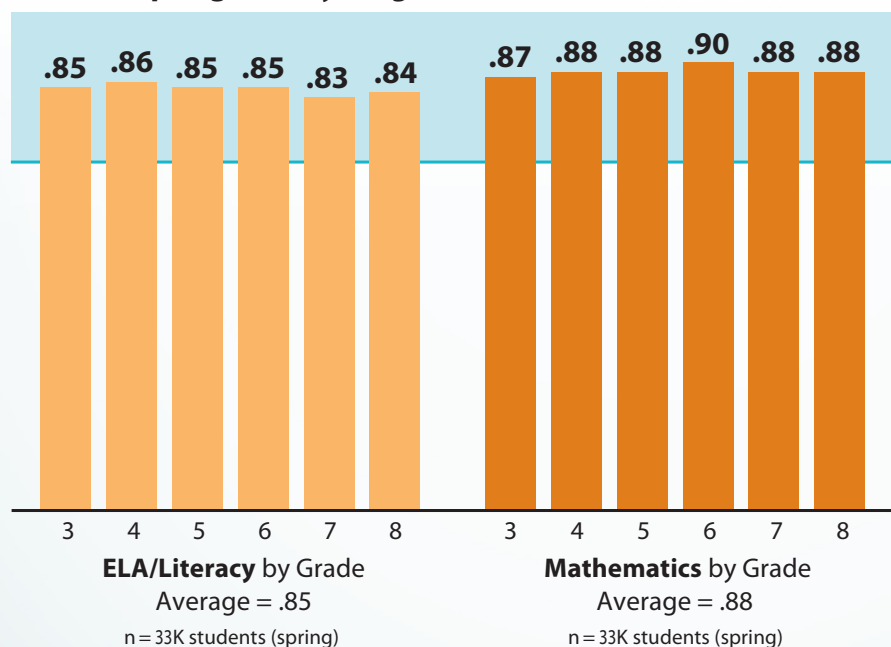
ERIA collected data from approximately 37,000 students across 10 districts in California, Connecticut, and Washington. The research includes the following analyses:

- Correlations between SBAC and *i-Ready Diagnostic*
- Analysis of *i-Ready Diagnostic* placements and student proficiency, as measured by SBAC
- Refresh of a proficiency prediction model using 2015–2016 data, that allows educators to use *i-Ready* data to predict end-of-year proficiency on their state assessment

Correlation Between *i-Ready Diagnostic* and SBAC

The research study found a strong correlation between *i-Ready Diagnostic* scores and scores on the SBAC assessments administered in 2016.

Correlations Between the Spring *i-Ready Diagnostic* and the 2016 SBAC



Assessment correlations above .70 are considered strong by the Center on RTI. *i-Ready Diagnostic* exceeded this benchmark in both subjects and across all grades.

Why Correlations Matter

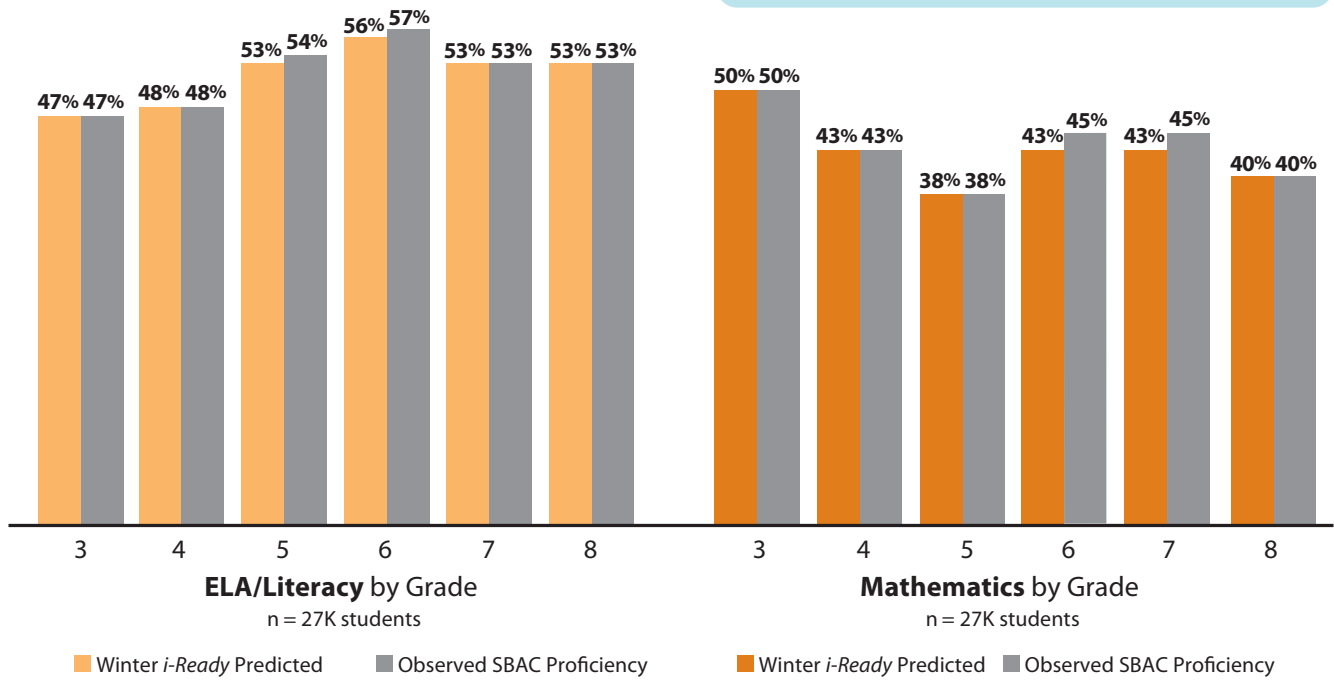
Correlations are one of the most commonly used and widely accepted forms of validity evidence. Correlations demonstrate that when students score high on one assessment, they also tend to score high on the other, and similarly, when students score low on one assessment, they also tend to score low on 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 SBAC 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 2016 SBAC

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



Note: The charts above use assessment scores from more than 27,000 winter *i-Ready Diagnostics* and students' corresponding SBAC 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 the SBAC administered to students in 2016.
- *i-Ready Diagnostic* scores can be used to accurately predict and classify students' proficiency on the 2016 SBAC assessments.

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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