CORRELATION & CLASSIFICATION ACCURACY
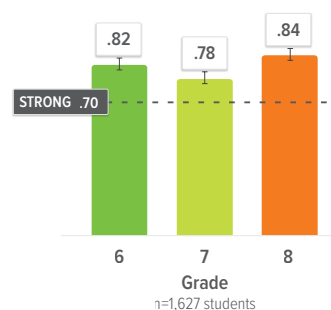
InSight and MAP Reading

The relationship between InSight and the MAP Reading assessment has been evaluated following standards established by the National Center for Intensive Intervention (NCII).

As detailed below, InSight meets both correlation and classification accuracy standards when analyzed in relation to MAP Reading. Therefore, educators can be confident in InSight results and the subsequent intervention decisions they make for their students.

InSight is Strongly Correlated with MAP

A statistical correlation measures the strength of the relationship between the results of two assessments. A value of 0.70 or higher* is considered a strong correlation and a key criterion of validity by the NCII. All correlation values between InSight and the MAP Reading assessment for grades 6–8 meet this standard.
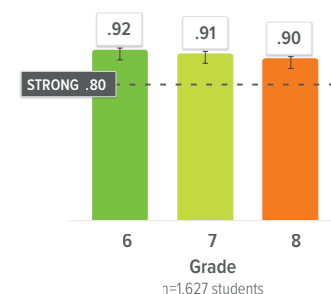
*NCII Technical Standard 3: Lower Bound of the Confidence Interval ≥ 0.60; previous Center for Response to Intervention (CRTI) Technical Standard 4 = 0.70

.82 .78 .84
STRONG .70
6   7   8
Grade
n=1,627 students

InSight Classifies Students Similarly to MAP

The NCII considers an Area Under the Curve (AUC) value of 0.80 or higher** to be convincing evidence that an assessment has met the "classification accuracy" standard. This indicates that InSight and MAP Reading have equivalent standards for determining whether students are achieving grade level proficiency or not. All AUC values between InSight and MAP Reading for grades 6–8 meet this standard.

**NCII Technical Standard 1: Lower Bound of the AUC Confidence Interval ≥ 0.80

.92 .91 .90
STRONG .80
6   7   8
Grade
n=1,627 students

InSight and MAP Reading were also evaluated with another important classification statistic. The Overall Classification Accuracy Rate is the percentage of students who were classified as being above or below the 75th percentile on MAP and were also classified as above or below grade level on InSight. Although the NCII requires this statistic as part of its evaluation process, it does not set a threshold criterion. Reading Plus believes that two assessments which have similar expectations for student performance should classify 75% or more of students in the same way. InSight and MAP meet this level of equivalent classification in grades 6-8.

88% 88% 83%
STRONG 75%
6   7   8
Grade
n=1,627 students

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