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Cross-validation of easyCBM Reading Cut Scores in Oregon: 2009-2010

Bitnara Jasmine Park

P. Shawn Irvin

Daniel Anderson

Julie Alonzo

Gerald Tindal

University of Oregon

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University of Oregon • 175 Education
5262 University of Oregon • Eugene, OR 97403-5262
Phone: 541-346-3535 • Fax: 541-346-5689
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Abstract

This technical report presents results from a cross-validation study designed to identify optimal cut scores when using easyCBM® reading tests in Oregon. The cross-validation study analyzes data from the 2009-2010 academic year for easyCBM® reading measures. A sample of approximately 2,000 students per grade, randomly split into two groups of roughly the same size, was used for this study. Students state test performance classification (passing/not passing) on the Oregon Assessment of Knowledge and Skills (OAKS) was used as the criterion. Optimal cut scores were identified for each of the randomly split groups with a receiver operating characteristic curve (ROC) analysis. Results indicated reasonably stable cut scores between groups. Further, the overall area under the ROC curve (AUC) was not statistically different between groups for any measurement occasion at any grade, providing strong evidence for the validity of identified cut scores as optimal to predict student performance classification on the Oregon state large-scale assessment.

A Cross-validation of easyCBM Reading Cut Scores in Oregon: 2009-2010

In this technical report, we present findings from a cross-validation study examining the diagnostic efficiency of easyCBM® reading tests. Data for these tests were analyzed for grades 3-8, and came from the 2009-2010 academic year. Park, Anderson, Irvin, Alonzo, and Tindal (2011) used a large sample in Oregon to establish optimal cut scores for predicting performance classification (not passing/passing) on the reading portion of the Oregon Assessment of Knowledge and Skills (OAKS), the state test used in Oregon. We extend their study by randomly splitting the same sample into two groups and examining the stability of the optimal cut scores for each easyCBM® reading measure across the randomly selected groups. The relative stability of the cut points provides further evidence to support the specified cut point for predicting state test classification in Oregon.

Theoretical Framework

The online easyCBM® progress monitoring assessment system was launched in September 2006 as part of a Model Demonstration Center on Progress Monitoring funded by the Office of Special Education Programs (OSEP). Since 2006, up to 17 forms for each reading measure have been developed for grades K-8. These reading measures accompany the 33 test forms available at each of grades K-8 for mathematics, together making up the easyCBM® online assessment system.

The easyCBM® reading measures were developed specifically for use within a response to intervention (RTI) framework. Within RTI, students are administered benchmark screening assessments periodically throughout the year (e.g., fall, winter, and spring). From these benchmark assessments, students are classified into tiers of "academic risk," typically based on normative cut scores. For example, a district using easyCBM® may administer the reading assessments in the fall for benchmark screening purposes. Based on student results on these

screening tests, and on a set of performance-associated normative risk ratings that the district identifies for each measure, students are classified into one of two tiers of risk (Tier 1: *not at-risk* or Tier 2: *at risk*). Students identified as *at-risk* on one or more easyCBM® reading assessments are then provided with a targeted academic intervention, and their progress is monitored with frequent easyCBM® administrations. The progress-monitoring probes are administered until the student (a) has responded to the intervention and is placed back in Tier 1, or (b) the subsequent benchmarking occasion, at which point tier placement is re-evaluated.

Although many districts operate under a normative evaluation of student achievement when assigning tier placement, a criterion-referenced view may provide additional useful information. For example, a district may know that students scoring an 8 or below on a particular screener are below the 20th percentile. However, from a criterion-referenced view, the district may also take into account that students scoring an 11 or below are not likely to pass the state test. A score of 11 may be closer to the 30th percentile of normative achievement. The educators within the district can then determine what the most optimal cut-point would be for their district given the resources available, weighing both the normative and criterion-referenced interpretations of student achievement.

The easyCBM® system has three designated benchmark screening assessments for reading, administered during the fall, winter, and spring for fluency and comprehension, and during fall and spring for vocabulary. The remaining reading assessment forms for a given measure and at a given grade are designated for progress-monitoring between the seasonal benchmark assessments. Although ostensibly low-stakes in nature, perhaps the most critical assessment occasion for easyCBM® reading assessments is the fall benchmark screener. As in the example above, the results from the fall benchmarks are used to initially classify students into

RTI tiers, from which two types of errors can occur: false positives and false negatives. A false positive occurs when a student is incorrectly identified as being *at-risk,* while a false negative occurs when a student is incorrectly identified as being *not at risk*. From an instructional standpoint and within the RTI model, false negatives are of far greater concern than false positives. Students who are not identified as *at-risk* when they should be are provided only typical grade-level instruction and are not tested again until the next benchmark screening in the winter. In other words, when a false negative occurs, students may be excluded from potentially valuable reading interventions for months, unless their teacher or a separate measure deems them *at-risk*. In contrast, false positives result in providing targeted interventions to students who are not necessarily in need. In the case of a false positive, additional interventions given to students not in need can be a drain on instructional resources.

Although false positives may drain limited resources, they are not as great a concern as false negatives because students receiving unneeded additional support are also administered additional progress-monitoring measures. Thus, students who are not in need of the additional support will likely be correctly reclassified as being *not at-risk* based on results from additional progress monitoring assessments, whereas students misclassified by false negatives may spend much of the school year not receiving instructional interventions they need to improve their reading. Given the importance of the instructional decisions made based on student performance on the easyCBM® benchmark reading measures and the inherent complexity around identifying a student as being at-risk, it is important to scrutinize potential easyCBM® cut scores used for classifying students.

We examine raw score cut points on easyCBM® benchmarks with a criterion-referenced evaluation, determining how well each score predicts performance-level classification on the

reading portion of the OAKS. Park et al. (2011) established optimal raw score cut points, and we extend this work by conducting a cross-validation study to explore the stability of optimal cut scores when the sample is randomly split into two similar groups. Therefore, we examine and report only the diagnostic efficiency information obtained from the receiver operating characteristics (ROC) curve analysis (including the ROC curve figure, area under the curve statistics, and the sensitivity and specificity of each cut score), and not other classification statistics such as the positive and negative predictive power, or overall correct classification rate. Readers are referred to Park et al.'s (2011) technical report for this information.

Methods

Setting and Subjects

Three districts participated in this study. The demographics and number of students in the full sample are reported by grade level in Table 1 and by district in Table 2. Two of the three participating districts have implemented a district-wide response to intervention (RTI) program. As part of this program, all students, including English language learners and/or students with learning disabilities, are assessed using seasonal easyCBM® benchmark screeners. All students in these two districts who were present on the day of testing were included in the study. The third district administered the easyCBM® benchmark assessments to a subset of classes selected to match overall district demographics.

Measures

In this section, we begin by first describing the easyCBM® reading benchmark screening assessments under investigation. We then describe the state test, used as the criterion to determine students "true classification": the OAKS.

For students in grades two through eight, three types of reading measures are available through easyCBM®: fluency, comprehension, and vocabulary. The fluency and comprehension

measures are administered in the fall, winter, and spring, while the vocabulary measure is administered only in the fall and spring. Both the comprehension and vocabulary easyCBM® measures are computer-based, although teachers have access to printable versions of the tests so they can be administered via paper-pencil. Fluency measures are designed for individual administration, with scores recorded on the computer after student performance has been assessed. All easyCBM® test forms of a specific type and within a grade-level were designed to be of equivalent difficulty. However, no attempt was made to control the difficulty of the measures across different test types (i.e., the comprehension tests are not designed to be of equivalent difficulty to the fluency or vocabulary tests within a given grade level).

Fluency. There are two types of fluency measures available through easyCBM®: word reading fluency (WRF) and passage reading fluency (PRF). The WRF measures are available in grades K-3, while the PRF measures are available in grades 1-8. For the current study, we analyze easyCBM® PRF results only in the grades where the OAKS was administered (3-8). Although some data were available on the WRF measures in grade 3, this measure was not included in the current study. By grade 3 students have typically "graduated" from the WRF measures to the PRF measures, and very few teachers chose to use WRF for benchmark screening in the study samples.

The PRF measures consist of an original work of fictional narrative varying in length from 250 to 380 words, depending on the grade-level. Students are administered the measures individually by trained assessors. The assessor begins by reading a standardized set of directions and presenting the student with the passage on a single page. The assessor provides one-minute of reading time and scores the number of correctly read words per minute. Words students fail to read or read incorrectly are counted as errors, while self-corrections are scored as correct. A

complete description of the development of the PRF measures can be found in Alonzo, Park, and Tindal (2008), Alonzo and Tindal (2008), and Alonzo and Tindal (2007).

Comprehension. Students' comprehension skills are assessed with the easyCBM® multiple-choice reading comprehension (MCRC) measures. MCRC measures for grades 3-8 contain 20 items assessing students' comprehension of a 1,500 word fictional narrative. The comprehension items are designed to target students' literal (7 items), inferential (7 items), and evaluative (6 items) comprehension. Literal items ask the student to identify a specific event from the text. Inferential questions require students to infer unwritten meaning from the text. For example, a story may describe how a character feels, but not explicitly describe the character's feelings. A typical inferential question might then explicitly ask how the character felt. Evaluative questions ask the reader to evaluate the situation and make a judgment. For example, an item may ask what a character in the story would likely do if he or she were in the situation described in the story at another time. Students are allowed to read back through the text as they are answering the items. Each item consists of a question stem followed by three possible answer choices: one correct, one intended as a near-distractor, and one intended as a far-distractor. Each item is worth one point for a total possible raw score of 20. Additional description of the development of the MCRC measures can be found in Park, Alonzo, and Tindal (2011) and Alonzo, Liu, and Tindal (2007).

Vocabulary. The vocabulary (VOC) measures available through easyCBM® contain 25 multiple-choice items. The stem of each item consists of a single vocabulary word targeted at the students' grade level. Various word-lists were used during development to determine appropriate words (e.g., Fry, EDL Core Vocabulary, etc.). Each item contains three answer options consisting of a correct response and two relevant distractors. The correct response was the

second most-common synonym of the word as indicated in the dictionary. Complete description of the development of the VOC measures can be found in Alonzo and Tindal (2004).

Oregon Assessment of Knowledge and Skills (OAKS)

The OAKS is a 50-item fixed-length computer-adaptive test. Students are allowed to take the test anywhere from 1-3 times during the school year, with their highest score retained for accountability purposes. The OAKS reading test has six score reporting categories: (a) vocabulary, (b) read to perform a task, (c) demonstrate a general understanding, (d) develop an interpretation, (e) examine content and structure of informative text, and (f) examine content and structure of literary text. The percentages of each item type are differentially weighted across grades (for specific weighting, see ODE, 2011). The items targeting *develop an interpretation* are closely related to what easyCBM® refers to as inferential type questions on MCRC tests, while the items targeting *examine content and structure of literary text* are closely related to easyCBM® evaluative type questions on the MCRC. All items have four response options with one correct response and three distracters. Students' scores are reported in Rasch units, a continuous scale ranging from 0 to infinity. The Rasch unit scale accounts for students' response to items relative to the item difficulty. According to the Oregon Department of Education, most scores range from 150 – 300 (Oregon Department of Education, 2010). The *meeting* scores for the OAKS reading test in grades 3-8 for 2010 were 204, 211, 218, 222, 227, and 231 respectively.

Data Analyses

To evaluate the stability of the optimal cut scores selected for each easyCBM® measure, we randomly split the sample into two similar groups. After each group was selected, we followed a two-stage process. First, we evaluated the groups to ensure that the random group

selection resulted in two demographically comparable samples. Second, we conducted receiver operating characteristic curve (ROC) analyses with each group for each measure at each time-point. The results of the ROC analyses were then used to select an optimal cut-score for each group. The stability of the optimal cut-scores across the randomly selected groups was then compared.

Random Split-File. Groups were randomly split into two groups using the random sample selection function in SPSS 18.0, by which each case is randomly assigned a value based on the specified probability parameter of 0.5, giving each student case an equal probability of being assigned to either group. We then conducted a series of *t*-tests with student subgroups to determine whether the students from a particular subgroup differed significantly between the randomly selected groups. In addition, we conducted *t*-tests with each measure used in the study to determine if students' performance differed significantly between the two groups. For these *t*-tests, we analyzed comparability of the samples based on ten student subgroup categories: seven for ethnicity (American Indian/Alaskan Native, Asian/Pacific Islander, Black, Hispanic, White, Multiethnic, and Decline to Identify) and one for each of Special Education; English Language Learner; and economically disadvantaged students (determined by free or reduced priced lunch eligibility).

ROC Analyses. When *t*-test results indicated that the randomly selected groups were comparable, we conducted a ROC analysis for each measure and grade for each randomly selected half of the sample. We examined the overall AUC for comparability between the groups, with respect to a 95% confidence interval. Overlapping confidence intervals indicated a non-significant difference between the randomly selected groups. We then evaluated the sensitivity and specificity of each cut score and chose an optimal cut score for each group, using

the same approach described in the study by Anderson, Alonzo, and Tindal (2010).

These decision rules applied a slightly modified version of the decision rules outlined by Silberglitt and Hintze (2005). Silberglitt and Hintze aimed to maximize both sensitivity and specificity, but placed an increased emphasis on sensitivity. When determining an optimal cut score, they suggest the researcher:

> (a) determine the cut score(s) that yield at least 0.7 for sensitivity and specificity; (b) if possible, increase sensitivity from this point, continuing upward while still maintaining specificity of 0.7, stopping if sensitivity exceeds 0.8; (c) if sensitivity exceeds 0.8 and specificity can still be increased, continue to maximize specificity (while maintaining sensitivity of 0.8); and (d) if both sensitivity and specificity exceed 0.8, repeat steps 2 and 3, using 0.9 as the next cutoff (p. 316).

We felt that if both sensitivity and specificity were above 0.8, that cut score would be the best option. However, if no cut score resulted in both sensitivity and specificity being above 0.8, sensitivity was maximized while keeping specificity above 0.7, even if a different cut score would have resulted in both statistics being close to 0.8. These modified rules placed a further emphasis on sensitivity, which we felt was warranted given the importance of reducing false negatives in an RTI model.

Results

We present the results of this cross-validation study in two sections: (a) sample comparisons of demographic characteristics between the two randomly split groups, and (b) optimal cut scores and ROC analyses for both groups.

Section One: Sample Demographic Comparisons

Sample characteristics were compared based on the proportion of each student subgroup and the descriptive statistics of each measure. The *t*-test results indicated that across all grades, the two groups did not differ significantly based on demographic characteristics with two exceptions: the proportion of students who declined to identify their ethnicity in grade 4, $t(3640) = -2.16$, $p = .031$ and the proportion of students receiving free or reduced priced lunch in grade 5, $t(2140) = 1.98$, $p = .047$. Although *t*-tests indicated statistically significant differences in these two instances, examination of the descriptive statistics related to each group indicated that the differences between the two groups in the two aforementioned categories were minimal. Thus, we concluded that student demographic characteristics across the two randomly split groups were sufficiently similar for cross-validation analysis of identified optimal cut scores between the groups. The results of the comparison of sample demographic characteristics between the two groups are presented, by grade, in Appendix A.

Section Two: ROC Analyses and Optimal Cut Scores

ROC analysis computes sensitivity and specificity statistics for all possible cut scores in half-point increments. When selecting an optimal meeting score, the next highest whole number of a chosen cut score is reported, serving as the basis for student classification. For example, given a cut score value of 9.5 on a benchmark vocabulary measure, students who score 9 or below would be classified as at-risk of failing to meet the state standard, whereas students who score 10 or above would be classified as not at-risk. In this case, 10 would be reported as an optimal *meeting* score for this measure. The chosen meeting cut scores for each measure yielded the most optimal sensitivity and specificity statistics based on the decision rules outlined above for the two groups.

Grade 3 results. For students in Grade 3, the optimal meeting score on the easyCBM® fall PRF benchmark test was 61 correct words per minute (CWPM) for the first group and 62 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 10 and 9 for the first and the second group, respectively. On the fall VOC benchmark test, the optimal meeting scores were 13 and 14 for the first and the second group, respectively. The optimal meeting score on the easyCBM® winter PRF benchmark test was 89 CWPM for the first group and 90 for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 10 for both groups. The optimal meeting score on the easyCBM® spring PRF benchmark test was 93 CWPM for the first group and 92 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 13 for both groups. On the spring VOC benchmark test, the optimal meeting scores were 21 for both groups.

Grade 4 results. For students in Grade 4, the optimal meeting score on the easyCBM® fall PRF benchmark test was 95 CWPM for the first group and 96 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 10 and 11 for the first and the second group, respectively. On the fall VOC benchmark test, the optimal meeting scores were 13 and 14 for the first and the second group, respectively. The optimal meeting score on the easyCBM® winter PRF benchmark test was 119 CWPM for the first group and 121 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 13 for both groups. The optimal meeting scores on the easyCBM® spring PRF benchmark test were 123 CWPM for both. On the spring MCRC benchmark test, the optimal meeting scores were 12 and 13 for the first and the second group, respectively. On the spring VOC benchmark test, the optimal meeting scores were 18 for both groups.

Grade 5 results. For students in Grade 5, the optimal meeting score on the easyCBM® fall PRF benchmark test was 137 CWPM for the first group and 138 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 13 for both groups. On the fall VOC benchmark test, the optimal meeting scores were 17 for both groups. The optimal meeting score on the easyCBM® winter PRF benchmark test was 141 CWPM for the first group and 143 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 15 and 16 for the first and the second group, respectively. The optimal meeting score on the easyCBM® spring PRF benchmark test was 159 CWPM for the first group and 162 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 15 for both groups. On the spring VOC benchmark test, the optimal meeting scores were 20 for both groups.

Grade 6 results. For students in Grade 6, the optimal meeting score on the easyCBM® fall PRF benchmark test was 135 CWPM for the first group and 134 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 14 and 15 for the first and the second group, respectively. On the fall VOC benchmark test, the optimal meeting scores were 14 for both groups. The optimal meeting score on the easyCBM® winter PRF benchmark test was 147 CWPM for the first group and 151 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 14 and 13 for the first and the second group, respectively. The optimal meeting score on the easyCBM® spring PRF benchmark test was 152 CWPM for the first group and 156 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 15 for both groups. On the spring VOC benchmark test, the optimal meeting scores were 15 for both groups.

Grade 7 results. For students in Grade 7, the optimal meeting score on the easyCBM® fall PRF benchmark test was 145 for the first group and 143 for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 13 and 14 for the first and the second group, respectively. On the fall VOC benchmark test, the optimal meeting scores were 13 for both groups. The optimal meeting scores on the easyCBM® winter PRF benchmark test were 160 CWPM for both groups. On the winter MCRC benchmark test, the optimal meeting scores were 15 for both groups. The optimal meeting score on the easyCBM® spring PRF benchmark test was 153 CWPM for the first group and 152 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 12 for both groups. On the spring VOC benchmark test, the optimal meeting scores were 15 for both groups.

Grade 8 results. For students in Grade 8, the optimal meeting scores on the easyCBM® fall PRF benchmark test were 166 CWPM for both groups. On the fall MCRC benchmark test, the optimal meeting scores were 15 for both groups. On the fall VOC benchmark test, the optimal meeting scores were 14 for both groups. The optimal meeting score on the easyCBM® winter PRF benchmark test was 156 CWPM for the first group and 159 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 13 for both groups. The optimal meeting scores on the easyCBM® spring PRF benchmark test were 160 CWPM for both groups. On the spring MCRC benchmark test, the optimal meeting scores were 14 and 13 for the first and the second group, respectively. On the spring VOC benchmark test, the optimal meeting scores were 16 for both groups.

The sensitivity and specificity statistics for all possible cut scores and the results of ROC analyses for the three reading easyCBM® measures are presented in the order of PRF, MCRC, and VOC, by grade, for both groups in Appendix B. The results are presented in the order of (a)

case processing summary, (b) area under curve statistics, (c) ROC curve figures, and (d) sensitivity and specificity statistics for each cut score. The determined optimal cut scores for each group are displayed in bold-faced font in the sensitivity and specificity tables.

Discussion

Overall, identified optimal cut scores appear quite stable across the two randomly split groups. Specifically, the average difference in cut scores for the easyCBM® PRF measure between groups was 1.50 CWPM for 18 grade-level and measurement occasion comparisons (6 grade levels, 3 measurement occasions at each grade). The average difference between cut scores for the MCRC and VOC measures was 0.44 and 0.17 for 18 and 12 grade-level and measurement occasion comparisons, respectively. Additionally, 95% confidence intervals for AUC statistics overlapped between groups for each measure type at all measurement occasions, indicating that observed differences in identified optimal cut scores between the two groups are non-significant. The consistency of optimal cut scores across measurement occasions for the two groups and the non-significant differences in AUC statistics at all measurement occasion and grades provide strong evidence for the validity of the cut scores derived.

Although identified optimal cut scores appear stable across the two groups used in the study, caution is warranted when extrapolating the actual *values* of identified cut scores. The identified cut scores were chosen using the Oregon state test as the criterion; a different criterion may well produce different optimal cut-scores. Performance standards vary from state to state, and we would expect the identified cut scores to differ based on the state test used (for example, see Anderson, Park, Irvin, Alonzo, & Tindal, 2011). However, given a common criterion, the results of this study indicate that the optimal cut-score is quite stable. Caution is also warranted when considering the identified optimal cut scores used in this study given that the sample,

although large, included only three districts within the state of Oregon. Identified optimal cut-scores could serve as a guide to districts within Oregon, but should not serve as a substitute for careful state- and district-level judgment of easyCBM® cut score identification and evaluation within high-stakes accountability systems.

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Table 1

Demographics – Full Sample

						% Ethnicity						
Grade	*n*	% ELL	% FRL	% SPED	% Female	Amer Ind	Asian/Pac Islander	Black	Hispanic	White	Multi	Decline/ Missing
3	2086	9.9	53.6	15.2	48.1	1.1	5.1	2.0	23.0	63.9	2.2	2.5
4	2026	8.1	53.7	15.9	47.4	1.5	5.3	2.3	23.4	61.9	3.3	2.2
5	2142	7.3	51.8	16.2	47.8	1.6	5.7	2.6	22.0	62.7	2.7	2.6
6	1990	6.1	43.8	16.6	49.0	1.6	4.6	2.2	6.9	65.5	4.0	15.2
7	1916	5.1	47.3	14.5	49.8	1.0	5.5	2.2	21.0	65.0	3.5	1.7
8	2055	5.0	46.7	13.6	47.7	1.1	4.6	2.5	22.1	63.2	3.1	3.4

Table 2
Demographics by District

						% Ethnicity						
Grade	*n*	% ELL	% FRL	% SPED	% Female	Amer Ind	Asian/Pac Islander	Black	Hispanic	White	Multi	Decline/ Missing
						District 1						
3	1311	4.7	44.3	15.9	47.2	1.7	4.7	2.4	10.1	73.2	3.1	4.8
4	1299	4.4	44.7	17.4	49.3	1.9	4.4	2.8	11.6	70.1	4.6	4.4
5	1357	3.7	43.6	17.4	48.3	1.8	5.2	2.6	9.9	71.2	3.8	5.5
6	1329	4.0	38.1	18.7	46.9	2.6	4.8	2.6	9.2	67.3	2.9	1.7
7	1262	3.0	39.8	15.5	52.5	1.5	5.9	2.8	10.5	70.6	4.6	1.7
8	1298	2.3	38.6	13.7	49.8	.9	4.7	2.8	10.9	69.0	4.9	6.8
						District 2						
3	870	1.1	61.8	17.0	49.0	1.7	2.0	1.4	19.8	67.0	2.2	6.0
4	818	-	63.3	19.8	42.5	2.1	1.8	1.6	17.0	66.5	4.0	6.9
5	876	1.4	60.3	19.3	48.2	2.4	2.1	1.6	16.7	67.9	4.1	5.3
6	846	1.5	58.0	16.9	50.4	2.6	1.4	1.7	14.9	70.7	3.5	5.2
7	737	3.0	58.3	15.9	47.5	2.2	1.6	1.1	18.6	67.8	2.8	5.9
8	843	1.9	55.5	15.8	47.9	1.5	1.4	2.3	16.3	70.6	3.0	5.0
						District 3						
3	1707	18.7	-	13.1	48.4	0.0	7.0	1.9	33.7	52.0	1.5	4.0
4	1623	15.2	-	12.0	48.3	0.0	7.7	2.2	34.6	49.7	1.7	4.2
5	1618	13.8	-	13.4	47.0	0.0	8.0	3.1	33.7	49.5	.9	4.8
6	1613	11.9	-	13.0	48.5	0.7	7.1	2.4	34.0	50.7	1.1	4.1
7	1643	9.3	-	12.4	48.5	0.9	6.8	2.3	29.1	55.3	1.3	4.4
8	1608	9.1	-	13.2	45.9	1.0	6.3	2.4	33.3	51.7	1.6	3.7

Note. Numbers reflect full sample separated by District. However, during analyses students were excluded listwise and the actual demographics of students included varies by analysis. All values thus more accurately represent the Districts and sample, but not necessarily the analyses. Statistics are intended to provide only a general indication of the students included in the analyses.
ELL – English Language Learner, FRL – Free or reduced lunch eligible, SPED – Student receives special education services

Appendix A: Results of the Random Sample Split

Grade 3

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	1944	50.0	50.0	50.0
	Group 2	1944	50.0	50.0	100.0
	Total	3888	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American Indian/Alaskan Native	24	1.2	1.3	1.3
		Asian/Pacific Islander	101	5.2	5.3	6.6
		Black	44	2.3	2.3	8.9
		Hispanic	442	22.7	23.3	32.2
		White	1199	61.7	63.1	95.3
		Multi-Ethnic	44	2.3	2.3	97.6
		Decline/Missing	45	2.3	2.4	100.0
		Total	1899	97.7	100.0	
	Missing	System	45	2.3		
	Total		1944	100.0		
Group 2	Valid	American Indian/Alaskan Native	19	1.0	1.0	1.0
		Asian/Pacific Islander	92	4.7	4.9	5.9
		Black	33	1.7	1.7	7.6
		Hispanic	430	22.1	22.8	30.4
		White	1224	63.0	64.8	95.1
		Multi-Ethnic	41	2.1	2.2	97.3
		Decline/Missing	51	2.6	2.7	100.0
		Total	1890	97.2	100.0	
	Missing	System	54	2.8		
	Total		1944	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1618	83.2	85.0	85.0
		Yes	285	14.7	15.0	100.0
		Total	1903	97.9	100.0	
	Missing	System	41	2.1		
	Total		1944	100.0		
Group 2	Valid	No	1615	83.1	84.6	84.6
		Yes	295	15.2	15.4	100.0
		Total	1910	98.3	100.0	
	Missing	System	34	1.7		
	Total		1944	100.0		

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	998	51.3	51.4	51.4
		Female	945	48.6	48.6	100.0
		Total	1943	99.9	100.0	
	Missing	System	1	.1		
	Total		1944	100.0		
Group 2	Valid	Male	1017	52.3	52.3	52.3
		Female	926	47.6	47.7	100.0
		Total	1943	99.9	100.0	
	Missing	System	1	.1		
	Total		1944	100.0		

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1744	89.7	89.7	89.7
		Yes	200	10.3	10.3	100.0
		Total	1944	100.0	100.0	
Group 2	Valid	No	1756	90.3	90.3	90.3
		Yes	188	9.7	9.7	100.0
		Total	1944	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	482	24.8	46.2	46.2
		Yes	561	28.9	53.8	100.0
		Total	1043	53.7	100.0	
	Missing	999	44	2.3		
		System	857	44.1		
		Total	901	46.3		
	Total		1944	100.0		
Group 2	Valid	No	485	24.9	46.5	46.5
		Yes	558	28.7	53.5	100.0
		Total	1043	53.7	100.0	
	Missing	999	51	2.6		
		System	850	43.7		
		Total	901	46.3		
	Total		1944	100.0		

OAKS_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	217	11.2	11.8	11.8
		1.00	1620	83.3	88.2	100.0
		Total	1837	94.5	100.0	
	Missing	System	107	5.5		
	Total		1944	100.0		
Group 2	Valid	.00	223	11.5	12.2	12.2
		1.00	1612	82.9	87.8	100.0
		Total	1835	94.4	100.0	
	Missing	System	109	5.6		
	Total		1944	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	OAKSRdgTot	1837	177	255	214.33	10.710
	OAKS_Perf	1837	.00	1.00	.8819	.32285
	Fall09PRF	1110	0	219	85.50	39.554
	Fall09MCRC	1156	0	19	10.46	4.146
	Fall09Voc	1030	0	25	16.66	5.140
	Wint10PRF	1148	0	308	117.57	45.521
	Wint10MCRC	1231	0	18	10.19	3.500
	Spr10PRF	1108	3	255	118.18	43.244
	Spr10MCRC	1198	0	20	13.55	4.360
	Spr10Voc	1082	0	25	21.54	4.171
	Valid N (listwise)	941				
Group 2	OAKSRdgTot	1835	166	256	214.64	10.885
	OAKS_Perf	1835	.00	1.00	.8785	.32683
	Fall09PRF	1099	0	244	86.08	40.958
	Fall09MCRC	1157	0	20	10.42	4.142
	Fall09Voc	1030	0	25	16.88	5.418
	Wint10PRF	1148	6	268	116.45	46.421
	Wint10MCRC	1228	0	17	10.13	3.614
	Spr10PRF	1108	8	266	116.90	44.058
	Spr10MCRC	1174	0	20	13.49	4.404
	Spr10Voc	1060	0	25	21.55	4.155
	Valid N (listwise)	936				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
AmerIndAkNative	Equal variances assumed	2.258	.133	.751	3787	.453	.003	.003	-.004	.009
	Equal variances not assumed			.751	3743.401	.453	.003	.003	-.004	.009
AsianPacIslnder	Equal variances assumed	1.593	.207	.631	3787	.528	.005	.007	-.010	.019
	Equal variances not assumed			.631	3781.783	.528	.005	.007	-.009	.019
Black	Equal variances assumed	6.214	.013	1.245	3787	.213	.006	.005	-.003	.015
	Equal variances not assumed			1.246	3721.212	.213	.006	.005	-.003	.015
Hispanic	Equal variances assumed	.587	.444	.383	3787	.702	.005	.014	-.022	.032
	Equal variances not assumed			.383	3786.960	.702	.005	.014	-.022	.032
White	Equal variances assumed	4.322	.038	-1.040	3787	.298	-.016	.016	-.047	.014
	Equal variances not assumed			-1.040	3786.903	.298	-.016	.016	-.047	.014
Multiethnic	Equal variances assumed	.377	.539	.307	3787	.759	.001	.005	-.008	.011
	Equal variances not assumed			.307	3784.156	.759	.001	.005	-.008	.011
Decline	Equal variances assumed	1.658	.198	-.644	3787	.520	-.003	.005	-.013	.007
	Equal variances not assumed			-.644	3769.605	.520	-.003	.005	-.013	.007
SPED	Equal variances assumed	.649	.420	-.403	3811	.687	-.005	.012	-.027	.018
	Equal variances not assumed			-.403	3810.693	.687	-.005	.012	-.027	.018

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Female	Equal variances assumed	1.391	.238	.610	3884	.542	.010	.016	-.022	.041
	Equal variances not assumed			.610	3883.998	.542	.010	.016	-.022	.041
ELL	Equal variances assumed	1.649	.199	.642	3886	.521	.006	.010	-.013	.025
	Equal variances not assumed			.642	3883.063	.521	.006	.010	-.013	.025
EconDsvntg	Equal variances assumed	.069	.792	.132	2084	.895	.003	.022	-.040	.046
	Equal variances not assumed			.132	2084.000	.895	.003	.022	-.040	.046
OAKSRdgTot	Equal variances assumed	.362	.547	-.883	3670	.377	-.315	.356	-1.014	.384
	Equal variances not assumed			-.883	3668.907	.377	-.315	.356	-1.014	.384
OAKS_Perf	Equal variances assumed	.402	.526	.317	3670	.751	.00340	.01072	-.01762	.02442
	Equal variances not assumed			.317	3669.347	.751	.00340	.01072	-.01762	.02442
Fall09PRF	Equal variances assumed	.723	.395	-.335	2207	.738	-.574	1.713	-3.933	2.786
	Equal variances not assumed			-.335	2202.576	.738	-.574	1.713	-3.934	2.786
Fall09MCRC	Equal variances assumed	.000	.994	.193	2311	.847	.033	.172	-.305	.371
	Equal variances not assumed			.193	2310.992	.847	.033	.172	-.305	.371

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Fall09Voc	Equal variances assumed	2.680	.102	-.914	2058	.361	-.213	.233	-.669	.244
	Equal variances not assumed			-.914	2052.349	.361	-.213	.233	-.669	.244
Wint10PRF	Equal variances assumed	.372	.542	.588	2294	.557	1.128	1.919	-2.635	4.891
	Equal variances not assumed			.588	2293.120	.557	1.128	1.919	-2.635	4.891
Wint10MCRC	Equal variances assumed	1.066	.302	.411	2457	.681	.059	.143	-.222	.340
	Equal variances not assumed			.411	2454.049	.681	.059	.143	-.222	.340
Spr10PRF	Equal variances assumed	.745	.388	.685	2214	.493	1.271	1.855	-2.366	4.908
	Equal variances not assumed			.685	2213.231	.493	1.271	1.855	-2.366	4.908
Spr10MCRC	Equal variances assumed	.172	.679	.344	2370	.731	.062	.180	-.291	.415
	Equal variances not assumed			.344	2367.825	.731	.062	.180	-.291	.415
Spr10Voc	Equal variances assumed	.066	.797	-.047	2140	.963	-.008	.180	-.361	.344
	Equal variances not assumed			-.047	2139.411	.963	-.008	.180	-.361	.344

Grade 4

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	1870	50.0	50.0	50.0
	Group 2	1870	50.0	50.0	100.0
	Total	3740	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American Indian/Alaskan Native	32	1.7	1.8	1.8
		Asian/Pacific Islander	94	5.0	5.2	6.9
		Black	38	2.0	2.1	9.0
		Hispanic	436	23.3	23.9	32.9
		White	1139	60.9	62.4	95.3
		Multi-Ethnic	55	2.9	3.0	98.3
		Decline/Missing	31	1.7	1.7	100.0
		Total	1825	97.6	100.0	
	Missing	System	45	2.4		
	Total		1870	100.0		
Group 2	Valid	American Indian/Alaskan Native	23	1.2	1.3	1.3
		Asian/Pacific Islander	98	5.2	5.4	6.7
		Black	47	2.5	2.6	9.2
		Hispanic	417	22.3	22.9	32.2
		White	1116	59.7	61.4	93.6
		Multi-Ethnic	66	3.5	3.6	97.2
		Decline/Missing	50	2.7	2.8	100.0
		Total	1817	97.2	100.0	
	Missing	System	53	2.8		
	Total		1870	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1526	81.6	83.2	83.2
		Yes	309	16.5	16.8	100.0
		Total	1835	98.1	100.0	
	Missing	System	35	1.9		
	Total		1870	100.0		
Group 2	Valid	No	1554	83.1	85.0	85.0
		Yes	274	14.7	15.0	100.0
		Total	1828	97.8	100.0	
	Missing	System	42	2.2		
	Total		1870	100.0		

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	988	52.8	52.8	52.8
		Female	882	47.2	47.2	100.0
		Total	1870	100.0	100.0	
Group 2	Valid	Male	978	52.3	52.3	52.3
		Female	891	47.6	47.7	100.0
		Total	1869	99.9	100.0	
	Missing	System	1	.1		
	Total		1870	100.0		

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1716	91.8	91.8	91.8
		Yes	154	8.2	8.2	100.0
		Total	1870	100.0	100.0	
Group 2	Valid	No	1720	92.0	92.0	92.0
		Yes	149	8.0	8.0	100.0
		Total	1869	99.9	100.0	
	Missing	System	1	.1		
	Total		1870	100.0		

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	453	24.2	44.5	44.5
		Yes	565	30.2	55.5	100.0
		Total	1018	54.4	100.0	
	Missing	System	852	45.6		
	Total		1870	100.0		
Group 2	Valid	No	484	25.9	48.0	48.0
		Yes	524	28.0	52.0	100.0
		Total	1008	53.9	100.0	
	Missing	System	859	45.9		
		999	3	.2		
		Total	862	46.1		
	Total		1870	100.0		

OAKS_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	217	11.6	12.3	12.3
		1.00	1553	83.0	87.7	100.0
		Total	1770	94.7	100.0	
	Missing	System	100	5.3		
	Total		1870	100.0		
Group 2	Valid	.00	225	12.0	12.9	12.9
		1.00	1525	81.6	87.1	100.0
		Total	1750	93.6	100.0	
	Missing	System	120	6.4		
	Total		1870	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	OAKSRdgTot	1770	180	263	220.92	10.663
	OAKS_Perf	1770	.00	1.00	.8774	.32807
	Fall09PRF	1127	0	263	109.58	38.170
	Fall09MCRC	1147	0	20	11.78	4.434
	Fall09Voc	996	0	25	15.83	4.640
	Wint10PRF	1105	6	269	131.56	37.996
	Wint10MCRC	1174	0	20	13.27	4.336
	Spr10PRF	1127	4	340	139.94	43.660
	Spr10MCRC	1172	0	20	13.46	4.142
	Spr10Voc	1069	0	25	19.32	4.458
	Valid N (listwise)	932				
Group 2	OAKSRdgTot	1750	183	258	220.91	10.231
	OAKS_Perf	1750	.00	1.00	.8714	.33482
	Fall09PRF	1143	0	254	109.61	36.591
	Fall09MCRC	1147	0	20	12.08	4.474
	Fall09Voc	999	0	25	16.15	4.551
	Wint10PRF	1112	4	269	133.29	38.980
	Wint10MCRC	1171	0	20	13.27	4.501
	Spr10PRF	1140	5	310	142.00	43.277
	Spr10MCRC	1193	0	20	13.56	4.317
	Spr10Voc	1072	0	25	19.56	4.377
	Valid N (listwise)	935				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
AmerIndAkNative	Equal variances assumed	5.830	.016	1.206	3640	.228	.005	.004	-.003	.013
	Equal variances not assumed			1.207	3554.874	.228	.005	.004	-.003	.013
AsianPacIslnder	Equal variances assumed	.430	.512	-.328	3640	.743	-.002	.007	-.017	.012
	Equal variances not assumed			-.328	3637.514	.743	-.002	.007	-.017	.012
Black	Equal variances assumed	4.070	.044	-1.008	3640	.313	-.005	.005	-.015	.005
	Equal variances not assumed			-1.008	3596.583	.314	-.005	.005	-.015	.005
Hispanic	Equal variances assumed	1.796	.180	.670	3640	.503	.009	.014	-.018	.037
	Equal variances not assumed			.670	3639.668	.503	.009	.014	-.018	.037
White	Equal variances assumed	1.514	.219	.616	3640	.538	.010	.016	-.022	.041
	Equal variances not assumed			.616	3639.678	.538	.010	.016	-.022	.041
Multiethnic	Equal variances assumed	4.344	.037	-1.041	3640	.298	-.006	.006	-.018	.005
	Equal variances not assumed			-1.041	3607.922	.298	-.006	.006	-.018	.005
Decline	Equal variances assumed	18.682	.000	-2.156	3640	.031	-.011	.005	-.020	-.001
	Equal variances not assumed			-2.155	3448.225	.031	-.011	.005	-.020	-.001
SPED	Equal variances assumed	9.388	.002	1.531	3661	.126	.019	.012	-.005	.042
	Equal variances not assumed			1.531	3654.137	.126	.019	.012	-.005	.042

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Female	Equal variances assumed	.381	.537	-.310	3737	.756	-.005	.016	-.037	.027
	Equal variances not assumed			-.310	3736.996	.756	-.005	.016	-.037	.027
ELL	Equal variances assumed	.347	.556	.295	3737	.768	.003	.009	-.015	.020
	Equal variances not assumed			.295	3736.239	.768	.003	.009	-.015	.020
EconDsvntg	Equal variances assumed	8.261	.004	1.588	2024	.113	.035	.022	-.008	.079
	Equal variances not assumed			1.588	2023.534	.113	.035	.022	-.008	.079
OAKSRdgTot	Equal variances assumed	1.016	.313	.016	3518	.988	.006	.352	-.685	.696
	Equal variances not assumed			.016	3514.848	.988	.006	.352	-.685	.696
OAKS_Perf	Equal variances assumed	1.143	.285	.535	3518	.593	.00597	.01117	-.01593	.02788
	Equal variances not assumed			.534	3514.461	.593	.00597	.01117	-.01594	.02788
Fall09PRF	Equal variances assumed	2.382	.123	-.019	2268	.985	-.029	1.569	-3.107	3.048
	Equal variances not assumed			-.019	2260.831	.985	-.029	1.570	-3.108	3.049
Fall09MCRC	Equal variances assumed	.040	.842	-1.627	2292	.104	-.303	.186	-.667	.062
	Equal variances not assumed			-1.627	2291.817	.104	-.303	.186	-.667	.062

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Fall09Voc	Equal variances assumed	.973	.324	-1.583	1993	.113	-.326	.206	-.729	.078
	Equal variances not assumed			-1.583	1992.005	.113	-.326	.206	-.729	.078
Wint10PRF	Equal variances assumed	.050	.823	-1.056	2215	.291	-1.727	1.635	-4.933	1.480
	Equal variances not assumed			-1.056	2214.180	.291	-1.727	1.635	-4.933	1.479
Wint10MCRC	Equal variances assumed	1.492	.222	.010	2343	.992	.002	.183	-.356	.360
	Equal variances not assumed			.010	2339.299	.992	.002	.183	-.356	.360
Spr10PRF	Equal variances assumed	.225	.635	-1.128	2265	.259	-2.059	1.826	-5.640	1.521
	Equal variances not assumed			-1.128	2264.068	.259	-2.059	1.826	-5.640	1.521
Spr10MCRC	Equal variances assumed	1.373	.241	-.570	2363	.569	-.099	.174	-.440	.242
	Equal variances not assumed			-.570	2361.686	.569	-.099	.174	-.440	.242
Spr10Voc	Equal variances assumed	.267	.605	-1.285	2139	.199	-.245	.191	-.620	.129
	Equal variances not assumed			-1.285	2138.045	.199	-.245	.191	-.620	.129

Grade 5

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	1925	50.0	50.0	50.0
	Group 2	1926	50.0	50.0	100.0
	Total	3851	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American Indian/Alaskan Native	32	1.7	1.7	1.7
		Asian/Pacific Islander	115	6.0	6.1	7.8
		Black	52	2.7	2.8	10.6
		Hispanic	422	21.9	22.4	33.0
		White	1170	60.8	62.1	95.1
		Multi-Ethnic	45	2.3	2.4	97.5
		Decline/Missing	48	2.5	2.5	100.0
		Total	1884	97.9	100.0	
	Missing	999	41	2.1		
	Total		1925	100.0		
Group 2	Valid	American Indian/Alaskan Native	29	1.5	1.5	1.5
		Asian/Pacific Islander	101	5.2	5.4	6.9
		Black	46	2.4	2.5	9.4
		Hispanic	404	21.0	21.5	30.9
		White	1187	61.6	63.3	94.2
		Multi-Ethnic	58	3.0	3.1	97.3
		Decline/Missing	51	2.6	2.7	100.0
		Total	1876	97.4	100.0	
	Missing	999	50	2.6		
	Total		1926	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1588	82.5	83.3	83.3
		Yes	319	16.6	16.7	100.0
		Total	1907	99.1	100.0	
	Missing	999	18	.9		
	Total		1925	100.0		
Group 2	Valid	No	1612	83.7	84.4	84.4
		Yes	298	15.5	15.6	100.0
		Total	1910	99.2	100.0	
	Missing	999	16	.8		
	Total		1926	100.0		

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	985	51.2	51.2	51.2
		Female	938	48.7	48.8	100.0
		Total	1923	99.9	100.0	
	Missing	999	2	.1		
	Total		1925	100.0		
Group 2	Valid	Male	1026	53.3	53.3	53.3
		Female	900	46.7	46.7	100.0
		Total	1926	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1775	92.2	92.2	92.2
		Yes	150	7.8	7.8	100.0
		Total	1925	100.0	100.0	
Group 2	Valid	No	1794	93.1	93.1	93.1
		Yes	132	6.9	6.9	100.0
		Total	1926	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	495	25.7	46.0	46.0
		Yes	580	30.1	54.0	100.0
		Total	1075	55.8	100.0	
	Missing	999	850	44.2		
	Total		1925	100.0		
Group 2	Valid	No	537	27.9	50.3	50.3
		Yes	530	27.5	49.7	100.0
		Total	1067	55.4	100.0	
	Missing	999	859	44.6		
	Total		1926	100.0		

OAKS_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	360	18.7	19.6	19.6
		1.00	1479	76.8	80.4	100.0
		Total	1839	95.5	100.0	
	Missing	999.00	86	4.5		
	Total		1925	100.0		
Group 2	Valid	.00	356	18.5	19.5	19.5
		1.00	1466	76.1	80.5	100.0
		Total	1822	94.6	100.0	
	Missing	999.00	104	5.4		
	Total		1926	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	OAKSRdgTot	1839	192	263	223.99	9.107
	OAKS_Perf	1839	.00	1.00	.8042	.39689
	Fall09PRF	1198	5	301	146.82	41.953
	Fall09MCRC	1234	0	20	13.54	3.721
	Fall09Voc	1087	0	25	18.50	4.786
	Wint10PRF	1163	17	344	154.30	41.619
	Wint10MCRC	1245	0	20	15.31	4.146
	Spr10PRF	1219	7	330	167.48	41.504
	Spr10MCRC	1236	0	19	14.12	3.449
	Spr10Voc	1120	0	25	20.38	3.964
	Valid N (listwise)	986				
Group 2	OAKSRdgTot	1822	189	267	224.50	9.363
	OAKS_Perf	1822	.00	1.00	.8046	.39661
	Fall09PRF	1196	0	287	146.92	44.487
	Fall09MCRC	1235	0	20	13.35	3.780
	Fall09Voc	1097	0	25	18.33	4.840
	Wint10PRF	1162	10	293	153.98	43.410
	Wint10MCRC	1228	0	20	15.47	3.881
	Spr10PRF	1221	24	289	167.33	41.639
	Spr10MCRC	1216	0	20	14.25	3.195
	Spr10Voc	1129	0	25	20.29	3.964
	Valid N (listwise)	989				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
AmerIndAkNative	Equal variances assumed	.549	.459	.370	3758	.711	.002	.004	-.007	.010
	Equal variances not assumed			.370	3751.373	.711	.002	.004	-.007	.010
AsianPacIslnder	Equal variances assumed	3.604	.058	.949	3758	.343	.007	.008	-.008	.022
	Equal variances not assumed			.949	3746.814	.343	.007	.008	-.008	.022
Black	Equal variances assumed	1.406	.236	.593	3758	.553	.003	.005	-.007	.013
	Equal variances not assumed			.593	3747.363	.553	.003	.005	-.007	.013
Hispanic	Equal variances assumed	1.637	.201	.640	3758	.522	.009	.014	-.018	.035
	Equal variances not assumed			.640	3757.634	.522	.009	.014	-.018	.035
White	Equal variances assumed	2.200	.138	-.742	3758	.458	-.012	.016	-.043	.019
	Equal variances not assumed			-.742	3757.984	.458	-.012	.016	-.043	.019
Multiethnic	Equal variances assumed	6.989	.008	-1.321	3758	.187	-.007	.005	-.017	.003
	Equal variances not assumed			-1.320	3696.511	.187	-.007	.005	-.017	.003
Decline	Equal variances assumed	.428	.513	-.327	3758	.744	-.002	.005	-.012	.009
	Equal variances not assumed			-.327	3753.188	.744	-.002	.005	-.012	.009
SPED	Equal variances assumed	3.571	.059	.945	3815	.345	.011	.012	-.012	.035
	Equal variances not assumed			.945	3811.641	.345	.011	.012	-.012	.035

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Female	Equal variances assumed	5.366	.021	1.272	3847	.203	.020	.016	-.011	.052
	Equal variances not assumed			1.272	3846.955	.203	.020	.016	-.011	.052
ELL	Equal variances assumed	5.004	.025	1.118	3849	.264	.009	.008	-.007	.026
	Equal variances not assumed			1.118	3835.393	.264	.009	.008	-.007	.026
EconDsvntg	Equal variances assumed	6.569	.010	1.984	2140	.047	.043	.022	.000	.085
	Equal variances not assumed			1.984	2139.760	.047	.043	.022	.000	.085
OAKSRdgTot	Equal variances assumed	1.468	.226	-1.643	3659	.100	-.502	.305	-1.100	.097
	Equal variances not assumed			-1.643	3653.988	.100	-.502	.305	-1.100	.097
OAKS_Perf	Equal variances assumed	.003	.955	-.028	3659	.978	-.00037	.01311	-.02608	.02534
	Equal variances not assumed			-.028	3658.731	.978	-.00037	.01311	-.02608	.02534
Fall09PRF	Equal variances assumed	3.563	.059	-.058	2392	.953	-.103	1.767	-3.569	3.362
	Equal variances not assumed			-.058	2383.349	.953	-.103	1.767	-3.569	3.363
Fall09MCRC	Equal variances assumed	.427	.514	1.231	2467	.218	.186	.151	-.110	.482
	Equal variances not assumed			1.231	2466.449	.218	.186	.151	-.110	.482

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Fall09Voc	Equal variances assumed	.478	.490	.805	2182	.421	.166	.206	-.238	.570
	Equal variances not assumed			.805	2181.990	.421	.166	.206	-.238	.570
Wint10PRF	Equal variances assumed	1.547	.214	.178	2323	.858	.315	1.764	-3.144	3.774
	Equal variances not assumed			.178	2318.718	.858	.315	1.764	-3.144	3.774
Wint10MCRC	Equal variances assumed	3.466	.063	-1.009	2471	.313	-.163	.162	-.480	.154
	Equal variances not assumed			-1.010	2464.300	.313	-.163	.161	-.480	.154
Spr10PRF	Equal variances assumed	.382	.537	.093	2438	.926	.157	1.683	-3.143	3.458
	Equal variances not assumed			.093	2437.994	.926	.157	1.683	-3.143	3.458
Spr10MCRC	Equal variances assumed	2.757	.097	-.957	2450	.339	-.129	.134	-.392	.135
	Equal variances not assumed			-.958	2441.168	.338	-.129	.134	-.392	.135
Spr10Voc	Equal variances assumed	.000	.996	.532	2247	.595	.089	.167	-.239	.417
	Equal variances not assumed			.532	2246.858	.595	.089	.167	-.239	.417

Grade 6

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	1925	31.3	50.0	50.0
	Group 2	1926	31.4	50.0	100.0
	Total	3851	62.7	100.0	
Missing	System	2291	37.3		
Total		6142	100.0		

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American Indian/Alaskan Native	32	1.7	1.7	1.7
		Asian/Pacific Islander	87	4.5	4.6	6.3
		Black	47	2.4	2.5	8.8
		Hispanic	127	6.6	6.7	15.5
		White	1238	64.3	65.5	81.0
		Mult-Ethnic	81	4.2	4.3	85.3
		Decline/Missing	278	14.4	14.7	100.0
		Total	1890	98.2	100.0	
	Missing	999	35	1.8		
	Total		1925	100.0		
Group 2	Valid	American Indian/Alaskan Native	27	1.4	1.4	1.4
		Asian/Pacific Islander	87	4.5	4.6	6.1
		Black	37	1.9	2.0	8.0
		Hispanic	133	6.9	7.1	15.1
		White	1231	63.9	65.4	80.5
		Mult-Ethnic	70	3.6	3.7	84.3
		Decline/Missing	296	15.4	15.7	100.0
		Total	1881	97.7	100.0	
	Missing	999	45	2.3		
	Total		1926	100.0		

SpEd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1589	82.5	84.1	84.1
		Yes	301	15.6	15.9	100.0
		Total	1890	98.2	100.0	
	Missing	999	35	1.8		
	Total		1925	100.0		
Group 2	Valid	No	1557	80.8	82.8	82.8
		Yes	324	16.8	17.2	100.0
		Total	1881	97.7	100.0	
	Missing	999	45	2.3		
	Total		1926	100.0		

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	941	48.9	50.9	50.9
		Female	906	47.1	49.1	100.0
		Total	1847	95.9	100.0	
	Missing	999	78	4.1		
	Total		1925	100.0		
Group 2	Valid	Male	940	48.8	51.0	51.0
		Female	903	46.9	49.0	100.0
		Total	1843	95.7	100.0	
	Missing	999	83	4.3		
	Total		1926	100.0		

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1729	89.8	93.5	93.5
		Yes	121	6.3	6.5	100.0
		Total	1850	96.1	100.0	
	Missing	999	75	3.9		
	Total		1925	100.0		
Group 2	Valid	No	1725	89.6	94.4	94.4
		Yes	103	5.3	5.6	100.0
		Total	1828	94.9	100.0	
	Missing	999	98	5.1		
	Total		1926	100.0		

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	514	26.7	50.5	50.5
		Yes	504	26.2	49.5	100.0
		Total	1018	52.9	100.0	
	Missing	System	906	47.1		
		999	1	.1		
		Total	907	47.1		
	Total		1925	100.0		
Group 2	Valid	No	506	26.3	50.8	50.8
		Yes	491	25.5	49.2	100.0
		Total	997	51.8	100.0	
	Missing	System	925	48.0		
		999	4	.2		
		Total	929	48.2		
	Total		1926	100.0		

OAKS_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	371	19.3	20.2	20.2
		1.00	1464	76.1	79.8	100.0
		Total	1835	95.3	100.0	
	Missing	999.00	90	4.7		
	Total		1925	100.0		
Group 2	Valid	.00	381	19.8	21.0	21.0
		1.00	1430	74.2	79.0	100.0
		Total	1811	94.0	100.0	
	Missing	999.00	115	6.0		
	Total		1926	100.0		

Descriptive Statistics[a]

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	OAKSRdgTot	1835	0	271	225.73	27.592
	OAKS_Perf	1835	.00	1.00	.7978	.40174
	Fall09PRF	579	9	305	139.65	40.137
	Fall09MCRC	1175	0	20	14.01	3.677
	Fall09Voc	1047	0	25	15.14	4.540
	Wint10PRF	549	0	320	154.33	42.878
	Wint10MCRC	625	0	20	13.08	4.025
	Spr10PRF	598	1	332	160.10	49.534
	Spr10MCRC	1124	0	20	14.53	3.433
	Spr10Voc	997	0	25	16.20	4.511
	Valid N (listwise)	324				
Group 2	OAKSRdgTot	1811	0	272	226.14	25.723
	OAKS_Perf	1811	.00	1.00	.7896	.40769
	Fall09PRF	581	16	298	140.73	40.529
	Fall09MCRC	1176	0	20	14.15	3.571
	Fall09Voc	1029	0	25	15.14	4.550
	Wint10PRF	530	0	287	157.73	41.936
	Wint10MCRC	604	0	20	12.79	4.269
	Spr10PRF	593	6	303	164.54	50.597
	Spr10MCRC	1138	0	20	14.58	3.411
	Spr10Voc	1004	0	25	16.34	4.441
	Valid N (listwise)	301				

a. No statistics are computed for one or more split files because there are no valid cases.

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
AmerIndAkNative	Equal variances assumed	1.626	.202	.637	3769	.524	.003	.004	-.005	.011
	Equal variances not assumed			.638	3747.176	.524	.003	.004	-.005	.011
AsianPacIslnder	Equal variances assumed	.004	.949	-.032	3769	.974	.000	.007	-.014	.013
	Equal variances not assumed			-.032	3768.813	.974	.000	.007	-.014	.013
Black	Equal variances assumed	4.682	.031	1.081	3769	.280	.005	.005	-.004	.015
	Equal variances not assumed			1.082	3724.484	.280	.005	.005	-.004	.015
Hispanic	Equal variances assumed	.724	.395	-.425	3769	.671	-.004	.008	-.020	.013
	Equal variances not assumed			-.425	3765.973	.671	-.004	.008	-.020	.013
White	Equal variances assumed	.006	.940	.038	3769	.970	.001	.015	-.030	.031
	Equal variances not assumed			.038	3768.899	.970	.001	.015	-.030	.031
Multiethnic	Equal variances assumed	3.125	.077	.884	3769	.377	.006	.006	-.007	.018
	Equal variances not assumed			.884	3754.202	.377	.006	.006	-.007	.018
Decline	Equal variances assumed	3.085	.079	-.878	3769	.380	-.010	.012	-.033	.013
	Equal variances not assumed			-.878	3765.032	.380	-.010	.012	-.033	.013
SpEd	Equal variances assumed	4.604	.032	-1.072	3769	.284	-.013	.012	-.037	.011
	Equal variances not assumed			-1.072	3764.073	.284	-.013	.012	-.037	.011

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Female	Equal variances assumed	.005	.945	.034	3688	.973	.001	.016	-.032	.033
	Equal variances not assumed			.034	3687.983	.973	.001	.016	-.032	.033
ELL	Equal variances assumed	5.285	.022	1.149	3676	.251	.009	.008	-.006	.025
	Equal variances not assumed			1.149	3663.814	.251	.009	.008	-.006	.025
EconDsvntg	Equal variances assumed	.053	.818	.117	2013	.907	.003	.022	-.041	.046
	Equal variances not assumed			.117	2012.129	.907	.003	.022	-.041	.046
OAKSRdgTot	Equal variances assumed	.163	.687	-.455	3644	.649	-.402	.884	-2.135	1.330
	Equal variances not assumed			-.455	3632.241	.649	-.402	.883	-2.134	1.330
OAKS_Perf	Equal variances assumed	1.497	.221	.612	3644	.541	.00820	.01341	-.01808	.03448
	Equal variances not assumed			.612	3641.169	.541	.00820	.01341	-.01808	.03449
Fall09PRF	Equal variances assumed	.566	.452	-.454	1158	.650	-1.075	2.368	-5.722	3.572
	Equal variances not assumed			-.454	1157.955	.650	-1.075	2.368	-5.722	3.572
Fall09MCRC	Equal variances assumed	.181	.671	-.910	2349	.363	-.136	.150	-.429	.157
	Equal variances not assumed			-.910	2346.871	.363	-.136	.150	-.429	.157

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Fall09Voc	Equal variances assumed	.063	.802	-.003	2074	.998	-.001	.200	-.392	.391
	Equal variances not assumed			-.003	2073.193	.998	-.001	.200	-.392	.391
Wint10PRF	Equal variances assumed	.036	.850	-1.318	1077	.188	-3.404	2.583	-8.473	1.664
	Equal variances not assumed			-1.318	1076.816	.188	-3.404	2.582	-8.471	1.662
Wint10MCRC	Equal variances assumed	1.735	.188	1.254	1227	.210	.297	.237	-.167	.761
	Equal variances not assumed			1.253	1216.519	.210	.297	.237	-.168	.761
Spr10PRF	Equal variances assumed	.252	.616	-1.531	1189	.126	-4.443	2.901	-10.135	1.250
	Equal variances not assumed			-1.531	1187.956	.126	-4.443	2.902	-10.136	1.250
Spr10MCRC	Equal variances assumed	.017	.896	-.346	2260	.730	-.050	.144	-.332	.232
	Equal variances not assumed			-.346	2259.200	.730	-.050	.144	-.332	.232
Spr10Voc	Equal variances assumed	.158	.691	-.715	1999	.475	-.143	.200	-.535	.249
	Equal variances not assumed			-.715	1997.991	.475	-.143	.200	-.536	.249

Grade 7

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	1800	50.0	50.0	50.0
	Group 2	1800	50.0	50.0	100.0
	Total	3600	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American Indian/Alaskan Native	16	.9	.9	.9
		Asian/Pacific Islander	102	5.7	5.8	6.7
		Black	35	1.9	2.0	8.7
		Hispanic	368	20.4	20.8	29.5
		White	1153	64.1	65.3	94.8
		Multi-ethnic	61	3.4	3.5	98.3
		Decline/Missing	30	1.7	1.7	100.0
		Total	1765	98.1	100.0	
	Missing	999	35	1.9		
	Total		1800	100.0		
Group 2	Valid	American Indian/Alaskan Native	18	1.0	1.0	1.0
		Asian/Pacific Islander	92	5.1	5.2	6.3
		Black	43	2.4	2.4	8.7
		Hispanic	373	20.7	21.2	29.9
		White	1137	63.2	64.7	94.6
		Multi-ethnic	63	3.5	3.6	98.2
		Decline/Missing	31	1.7	1.8	100.0
		Total	1757	97.6	100.0	
	Missing	999	43	2.4		
	Total		1800	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1542	85.7	85.7	85.7
		Yes	258	14.3	14.3	100.0
		Total	1800	100.0	100.0	
Group 2	Valid	No	1535	85.3	85.3	85.3
		Yes	265	14.7	14.7	100.0
		Total	1800	100.0	100.0	

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	0	887	49.3	49.3	49.3
		1	911	50.6	50.7	100.0
		Total	1798	99.9	100.0	
	Missing	999	2	.1		
	Total		1800	100.0		
Group 2	Valid	0	916	50.9	51.1	51.1
		1	877	48.7	48.9	100.0
		Total	1793	99.6	100.0	
	Missing	999	7	.4		
	Total		1800	100.0		

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1714	95.2	95.2	95.2
		Yes	86	4.8	4.8	100.0
		Total	1800	100.0	100.0	
Group 2	Valid	No	1702	94.6	94.6	94.6
		Yes	98	5.4	5.4	100.0
		Total	1800	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	0	529	29.4	54.5	54.5
		1	441	24.5	45.5	100.0
		Total	970	53.9	100.0	
	Missing	999	2	.1		
		System	828	46.0		
		Total	830	46.1		
	Total		1800	100.0		
Group 2	Valid	0	480	26.7	50.7	50.7
		1	466	25.9	49.3	100.0
		Total	946	52.6	100.0	
	Missing	999	1	.1		
		System	853	47.4		
		Total	854	47.4		
	Total		1800	100.0		

OAKS_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	347	19.3	19.7	19.7
		1.00	1415	78.6	80.3	100.0
		Total	1762	97.9	100.0	
	Missing	999.00	38	2.1		
	Total		1800	100.0		
Group 2	Valid	.00	366	20.3	20.8	20.8
		1.00	1390	77.2	79.2	100.0
		Total	1756	97.6	100.0	
	Missing	999.00	44	2.4		
	Total		1800	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	OAKSRdgTot	1762	0	272	231.34	27.205
	OAKS_Perf	1762	.00	1.00	.8031	.39780
	Fall09PRF	1142	18	266	153.47	37.611
	Fall09MCRC	1634	0	20	13.80	3.416
	Fall09Voc	954	0	25	14.63	4.497
	Wint10PRF	1144	54	333	172.64	45.870
	Wint10MCRC	1034	0	20	14.48	3.291
	Spr10PRF	1215	28	292	160.44	42.970
	Spr10MCRC	1664	0	19	12.52	2.884
	Spr10Voc	934	0	25	15.78	5.040
	Valid N (listwise)	258				
Group 2	OAKSRdgTot	1756	0	268	230.45	29.844
	OAKS_Perf	1756	.00	1.00	.7916	.40630
	Fall09PRF	1152	21	290	152.79	38.808
	Fall09MCRC	1611	0	20	13.85	3.351
	Fall09Voc	939	0	25	14.67	4.623
	Wint10PRF	1161	15	301	170.79	46.184
	Wint10MCRC	1030	0	20	14.53	3.299
	Spr10PRF	1216	0	297	159.15	43.702
	Spr10MCRC	1640	0	20	12.50	2.974
	Spr10Voc	919	0	25	15.98	4.815
	Valid N (listwise)	255				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
AmerIndAkNative	Equal variances assumed	.512	.474	-.358	3520	.720	-.001	.003	-.008	.005
	Equal variances not assumed			-.358	3505.177	.720	-.001	.003	-.008	.005
AsianPacIslnder	Equal variances assumed	1.994	.158	.706	3520	.480	.005	.008	-.010	.021
	Equal variances not assumed			.706	3513.839	.480	.005	.008	-.010	.021
Black	Equal variances assumed	3.509	.061	-.936	3520	.349	-.005	.005	-.014	.005
	Equal variances not assumed			-.936	3480.168	.349	-.005	.005	-.014	.005
Hispanic	Equal variances assumed	.305	.581	-.276	3520	.782	-.004	.014	-.031	.023
	Equal variances not assumed			-.276	3519.562	.782	-.004	.014	-.031	.023
White	Equal variances assumed	.582	.446	.381	3520	.703	.006	.016	-.025	.038
	Equal variances not assumed			.381	3519.740	.703	.006	.016	-.025	.038
Multiethnic	Equal variances assumed	.174	.677	-.209	3520	.835	-.001	.006	-.013	.011
	Equal variances not assumed			-.209	3518.255	.835	-.001	.006	-.013	.011
Decline	Equal variances assumed	.086	.769	-.147	3520	.883	-.001	.004	-.009	.008
	Equal variances not assumed			-.147	3518.158	.883	-.001	.004	-.009	.008
SPED	Equal variances assumed	.438	.508	-.331	3598	.741	-.004	.012	-.027	.019
	Equal variances not assumed			-.331	3597.556	.741	-.004	.012	-.027	.019

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Female	Equal variances assumed	.240	.624	1.052	3589	.293	.018	.017	-.015	.050
	Equal variances not assumed			1.052	3588.975	.293	.018	.017	-.015	.050
ELL	Equal variances assumed	3.301	.069	-.908	3598	.364	-.007	.007	-.021	.008
	Equal variances not assumed			-.908	3584.347	.364	-.007	.007	-.021	.008
EconDsvntg	Equal variances assumed	7.241	.007	-1.664	1914	.096	-.038	.023	-.083	.007
	Equal variances not assumed			-1.664	1912.380	.096	-.038	.023	-.083	.007
OAKSRdgTot	Equal variances assumed	.919	.338	.922	3516	.357	.887	.963	-1.000	2.775
	Equal variances not assumed			.921	3484.072	.357	.887	.963	-1.001	2.775
OAKS_Perf	Equal variances assumed	2.876	.090	.848	3516	.397	.01149	.01356	-.01509	.03807
	Equal variances not assumed			.848	3513.880	.397	.01149	.01356	-.01509	.03808
Fall09PRF	Equal variances assumed	.245	.621	.425	2292	.671	.679	1.596	-2.451	3.808
	Equal variances not assumed			.425	2290.832	.671	.679	1.596	-2.450	3.808
Fall09MCRC	Equal variances assumed	.432	.511	-.404	3243	.686	-.048	.119	-.281	.185
	Equal variances not assumed			-.404	3242.919	.686	-.048	.119	-.281	.185

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Fall09Voc	Equal variances assumed	.242	.623	-.160	1891	.873	-.034	.210	-.445	.378
	Equal variances not assumed			-.160	1887.414	.873	-.034	.210	-.445	.378
Wint10PRF	Equal variances assumed	.015	.902	.964	2303	.335	1.849	1.917	-1.911	5.609
	Equal variances not assumed			.964	2302.855	.335	1.849	1.917	-1.911	5.609
Wint10MCRC	Equal variances assumed	.037	.848	-.368	2062	.713	-.053	.145	-.338	.231
	Equal variances not assumed			-.368	2061.921	.713	-.053	.145	-.338	.231
Spr10PRF	Equal variances assumed	.322	.570	.731	2429	.465	1.285	1.758	-2.162	4.732
	Equal variances not assumed			.731	2428.373	.465	1.285	1.758	-2.162	4.732
Spr10MCRC	Equal variances assumed	.307	.580	.135	3302	.892	.014	.102	-.186	.214
	Equal variances not assumed			.135	3295.319	.892	.014	.102	-.186	.214
Spr10Voc	Equal variances assumed	.112	.738	-.906	1851	.365	-.207	.229	-.657	.242
	Equal variances not assumed			-.906	1849.397	.365	-.207	.229	-.657	.242

Grade 8

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	1874	50.0	50.0	50.0
	Group 2	1875	50.0	50.0	100.0
	Total	3749	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American Indian/Alaskan Native	17	.9	.9	.9
		Asian/Pacific Islander	94	5.0	5.1	6.1
		Black	48	2.6	2.6	8.7
		Hispanic	404	21.6	22.0	30.7
		White	1157	61.7	63.1	93.8
		Multi-Ethnic	61	3.3	3.3	97.1
		Decline/Missing	53	2.8	2.9	100.0
		Total	1834	97.9	100.0	
	Missing	System	40	2.1		
	Total		1874	100.0		
Group 2	Valid	American Indian/Alaskan Native	22	1.2	1.2	1.2
		Asian/Pacific Islander	76	4.1	4.1	5.3
		Black	45	2.4	2.5	7.8
		Hispanic	408	21.8	22.3	30.1
		White	1160	61.9	63.3	93.3
		Multi-Ethnic	52	2.8	2.8	96.2
		Decline/Missing	70	3.7	3.8	100.0
		Total	1833	97.8	100.0	
	Missing	System	42	2.2		
	Total		1875	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1611	86.0	86.1	86.1
		Yes	261	13.9	13.9	100.0
		Total	1872	99.9	100.0	
	Missing	System	2	.1		
	Total		1874	100.0		
Group 2	Valid	No	1627	86.8	86.8	86.8
		Yes	247	13.2	13.2	100.0
		Total	1874	99.9	100.0	
	Missing	System	1	.1		
	Total		1875	100.0		

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	970	51.8	51.8	51.8
		Female	904	48.2	48.2	100.0
		Total	1874	100.0	100.0	
Group 2	Valid	Male	990	52.8	52.8	52.8
		Female	885	47.2	47.2	100.0
		Total	1875	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	1779	94.9	94.9	94.9
		Yes	95	5.1	5.1	100.0
		Total	1874	100.0	100.0	
Group 2	Valid	No	1781	95.0	95.0	95.0
		Yes	94	5.0	5.0	100.0
		Total	1875	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	540	28.8	52.4	52.4
		Yes	490	26.1	47.6	100.0
		Total	1030	55.0	100.0	
	Missing	999	1	.1		
		System	843	45.0		
		Total	844	45.0		
	Total		1874	100.0		
Group 2	Valid	No	555	29.6	54.1	54.1
		Yes	470	25.1	45.9	100.0
		Total	1025	54.7	100.0	
	Missing	999	3	.2		
		System	847	45.2		
		Total	850	45.3		
	Total		1875	100.0		

OAKS_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	549	29.3	30.6	30.6
		1.00	1247	66.5	69.4	100.0
		Total	1796	95.8	100.0	
	Missing	999.00	78	4.2		
	Total		1874	100.0		
Group 2	Valid	.00	550	29.3	30.5	30.5
		1.00	1252	66.8	69.5	100.0
		Total	1802	96.1	100.0	
	Missing	999.00	73	3.9		
	Total		1875	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	OAKS Read	1796	0	279	231.09	27.162
	OAKS_Perf	1796	.00	1.00	.6943	.46082
	easyCBM Fluency Score Grade 8 Fall	1183	8	397	169.83	42.626
	easyCBM Comp Score Grade 8 Fall	1706	0	20	14.04	3.223
	easyCBM Vocabulary Score Grade 8 Fall	1007	0	25	15.01	4.105
	easyCBM Fluency Score Grade 8 Winter	1183	11	343	159.84	43.951
	easyCBM Comp Score Grade 8 Winter	1100	0	19	12.78	3.070
	easyCBM Fluency Score Grade 8 Spring	1205	15	304	161.66	39.668
	easyCBM Comp Score Grade 8 Spring	1699	0	20	13.16	3.231
	easyCBM Vocabulary Score Grade 8 Spring	1015	0	25	16.18	4.570
	Valid N (listwise)	297				
Group 2	OAKS Read	1802	0	273	231.82	24.417
	OAKS_Perf	1802	.00	1.00	.6948	.46063
	easyCBM Fluency Score Grade 8 Fall	1177	16	308	168.41	43.715
	easyCBM Comp Score Grade 8 Fall	1716	0	20	13.98	3.359
	easyCBM Vocabulary Score Grade 8 Fall	1018	0	25	15.10	4.284
	easyCBM Fluency Score Grade 8 Winter	1181	10	303	159.48	45.936
	easyCBM Comp Score Grade 8 Winter	1060	0	19	12.56	3.120
	easyCBM Fluency Score Grade 8 Spring	1204	22	304	160.37	42.458
	easyCBM Comp Score Grade 8 Spring	1711	0	19	13.01	3.400
	easyCBM Vocabulary Score Grade 8 Spring	1022	0	25	16.20	4.664
	Valid N (listwise)	275				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
AmerIndAkNative	Equal variances assumed	2.604	.107	-.806	3665	.420	-.003	.003	-.009	.004
	Equal variances not assumed			-.806	3606.233	.420	-.003	.003	-.009	.004
AsianPacIslnder	Equal variances assumed	7.969	.005	1.410	3665	.159	.010	.007	-.004	.023
	Equal variances not assumed			1.410	3628.720	.159	.010	.007	-.004	.023
Black	Equal variances assumed	.390	.532	.312	3665	.755	.002	.005	-.009	.012
	Equal variances not assumed			.312	3661.569	.755	.002	.005	-.009	.012
Hispanic	Equal variances assumed	.113	.737	-.168	3665	.867	-.002	.014	-.029	.025
	Equal variances not assumed			-.168	3664.933	.867	-.002	.014	-.029	.025
White	Equal variances assumed	.062	.804	-.124	3665	.901	-.002	.016	-.033	.029
	Equal variances not assumed			-.124	3664.999	.901	-.002	.016	-.033	.029
Multiethnic	Equal variances assumed	2.939	.087	.857	3665	.392	.005	.006	-.006	.016
	Equal variances not assumed			.857	3643.774	.392	.005	.006	-.006	.016
Decline	Equal variances assumed	9.789	.002	-1.562	3665	.118	-.009	.006	-.021	.002
	Equal variances not assumed			-1.562	3600.065	.118	-.009	.006	-.021	.002
SPED	Equal variances assumed	1.855	.173	.681	3744	.496	.008	.011	-.014	.030
	Equal variances not assumed			.681	3741.707	.496	.008	.011	-.014	.030

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Female	Equal variances assumed	1.542	.214	.637	3747	.524	.010	.016	-.022	.042
	Equal variances not assumed			.637	3746.992	.524	.010	.016	-.022	.042
ELL	Equal variances assumed	.025	.875	.078	3747	.938	.001	.007	-.013	.015
	Equal variances not assumed			.078	3746.874	.938	.001	.007	-.013	.015
EconDsvntg	Equal variances assumed	2.287	.131	.781	2053	.435	.017	.022	-.026	.060
	Equal variances not assumed			.781	2052.986	.435	.017	.022	-.026	.060
OAKS Read	Equal variances assumed	.412	.521	-.847	3596	.397	-.729	.861	-2.418	.959
	Equal variances not assumed			-.847	3553.442	.397	-.729	.861	-2.418	.959
OAKS_Perf	Equal variances assumed	.004	.952	-.030	3596	.976	-.00046	.01536	-.03058	.02966
	Equal variances not assumed			-.030	3595.949	.976	-.00046	.01536	-.03058	.02966
easyCBM Passage Reading Fluency Score Grade 8 Fall	Equal variances assumed	.104	.747	.802	2358	.423	1.426	1.777	-2.060	4.911
	Equal variances not assumed			.802	2355.836	.423	1.426	1.778	-2.060	4.911
easyCBM Multiple Choice Read Comp Score Grade 8 Fall	Equal variances assumed	2.065	.151	.504	3420	.614	.057	.113	-.164	.277
	Equal variances not assumed			.504	3415.769	.614	.057	.113	-.164	.277

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
easyCBM Vocabulary Score Grade 8 Fall	Equal variances assumed	2.056	.152	-.505	2023	.613	-.094	.186	-.460	.272
	Equal variances not assumed			-.505	2020.954	.613	-.094	.186	-.460	.271
easyCBM Passage Reading Fluency Score Grade 8 Winter	Equal variances assumed	1.379	.240	.192	2362	.848	.355	1.849	-3.271	3.981
	Equal variances not assumed			.192	2357.046	.848	.355	1.849	-3.271	3.981
easyCBM Multiple Choice Read Comp Score Grade 8 Winter	Equal variances assumed	.710	.400	1.663	2158	.097	.221	.133	-.040	.483
	Equal variances not assumed			1.662	2151.905	.097	.221	.133	-.040	.483
easyCBM Passage Reading Fluency Score Grade 8 Spring	Equal variances assumed	3.765	.052	.771	2407	.441	1.290	1.674	-1.993	4.573
	Equal variances not assumed			.771	2395.690	.441	1.290	1.674	-1.993	4.573
easyCBM Multiple Choice Reading Comprehension Score Grade 8 Spring	Equal variances assumed	7.652	.006	1.327	3408	.185	.151	.114	-.072	.373
	Equal variances not assumed			1.327	3401.417	.185	.151	.114	-.072	.373
easyCBM Vocabulary Score Grade 8 Spring	Equal variances assumed	.606	.436	-.104	2035	.917	-.021	.205	-.423	.380
	Equal variances not assumed			-.104	2034.630	.917	-.021	.205	-.423	.380

Appendix B: ROC Analyses

Grade 3
Fall PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	116
	Negative	961
	Missing	867
Group 2	Positive[a]	116
	Negative	952
	Missing	876

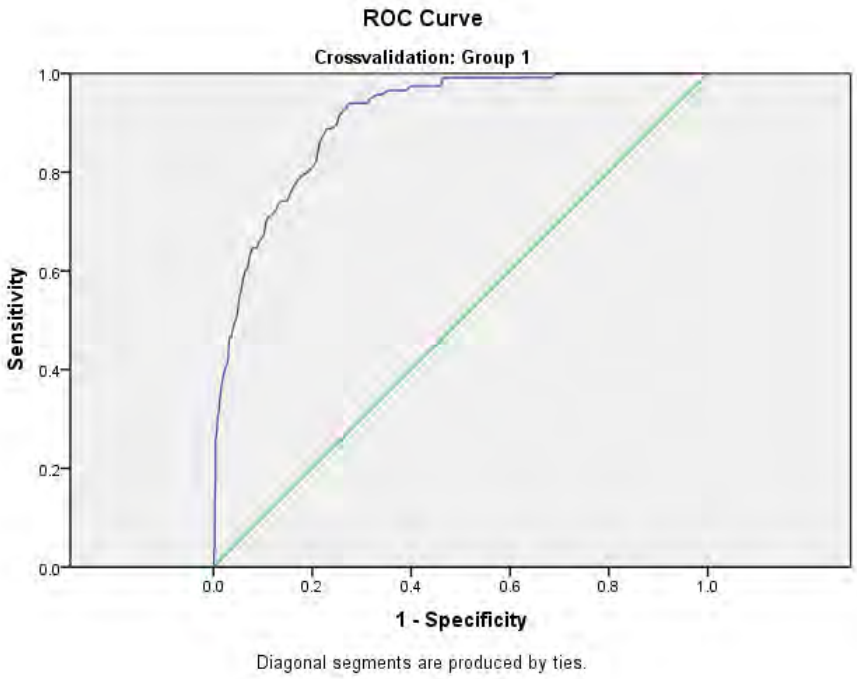
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group.

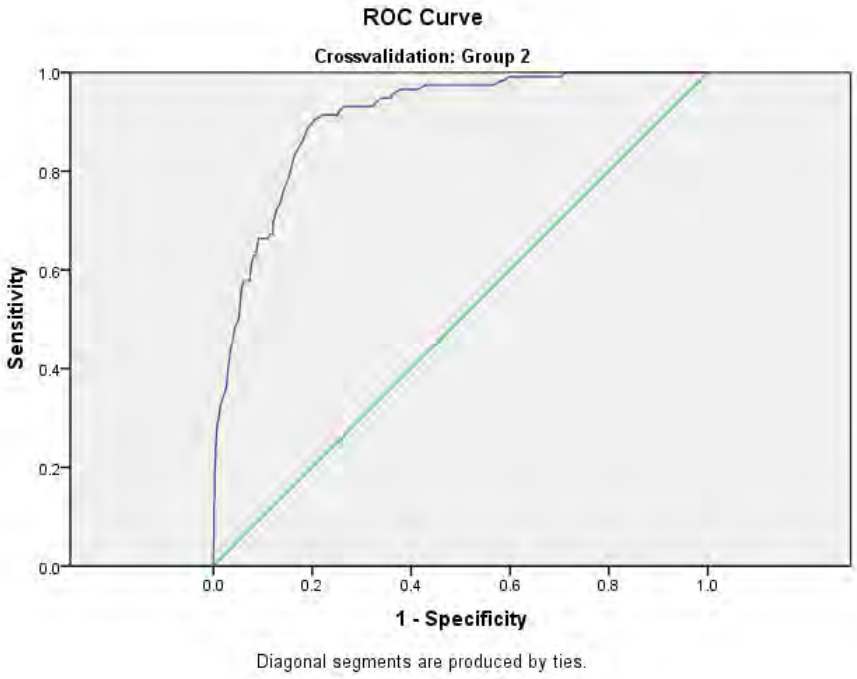
Area Under the Curve[c,d]

Test Result Variable(s):Fall09PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.908	.012	.000	.884	.932
Group 2	.907	.013	.000	.882	.932

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
1.00	-	-	.000	1.000
2.00	.000	1.000	-	-
3.50	.000	.999	.009	1.000
5.50	.009	.999	.017	1.000
8.00	.017	.999	.026	1.000
9.50	.026	.999	-	-
10.50	-	-	.060	.999
11.00	.034	.998	-	-
11.50	-	-	.103	.999
12.50	.052	.997	-	-
13.00	-	-	.112	.999
13.50	.078	.997	-	-
14.50	.086	.997	.121	.999
15.50	.095	.997	-	-
16.50	.112	.997	.147	.997
17.50	.129	.997	-	-
18.50	.181	.996	.155	.997
19.50	.198	.996	.190	.997
20.50	.233	.996	.224	.996
21.50	.259	.996	.241	.996
22.50	.267	.994	.241	.995
23.50	.302	.992	.250	.995
24.50	.319	.989	.284	.993
25.50	.336	.988	.293	.991
26.50	.371	.983	.328	.985
27.50	.388	.980	.345	.979
28.50	.405	.975	.362	.974
29.50	.414	.971	.388	.972
30.50	.466	.968	.397	.971
31.50	.466	.964	.440	.965
32.50	.474	.963	.457	.961
33.50	.491	.958	.483	.957
34.50	.509	.952	.491	.953
35.50	.552	.947	.500	.949
36.50	.560	.944	.517	.947
37.50	.586	.940	.552	.944
38.50	.603	.934	.560	.943
39.50	.603	.931	.578	.939

Grade 3
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
40.50	.638	.925	.578	.933
41.50	.638	.924	.578	.926
42.50	-	-	.612	.923
43.50	-	-	.629	.918
44.50	.647	.916	.629	.914
45.50	.647	.912	-	-
46.50	.655	.909	.664	.909
47.50	.664	.904	.664	.902
48.50	.672	.898	.664	.894
49.50	.698	.894	.664	.890
50.50	.707	.891	.672	.884
51.50	.716	.880	.672	.879
52.50	.724	.873	.698	.879
53.50	.733	.870	.707	.876
54.50	.741	.864	.724	.872
55.50	.741	.857	.733	.866
56.50	.741	.851	.759	.859
57.50	.767	.840	.784	.849
58.50	.784	.829	.828	.837
59.50	.793	.820	.836	.834
60.50	**.802**	**.807**	.862	.819
61.50	.819	.793	**.888**	**.809**
62.50	.862	.785	.905	.793
63.50	.888	.770	.914	.778
64.50	.888	.761	.914	.769
65.50	.897	.750	.914	.761
66.50	.914	.746	.914	.749
67.50	.922	.739	.922	.746
68.50	.931	.732	.931	.735
69.50	.940	.724	.931	.726
70.50	.940	.717	.931	.714
71.50	.940	.700	.931	.701
72.50	.940	.689	.931	.687
73.50	.948	.684	.931	.680
74.50	.957	.670	.940	.670
75.50	.957	.660	.948	.661
76.50	.966	.647	.948	.647
77.50	.966	.638	.948	.640

Grade 3
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
78.50	.966	.619	.957	.637
79.50	.966	.610	.966	.622
80.50	.974	.602	.966	.613
81.50	.974	.595	.966	.596
82.50	.974	.587	.966	.587
83.50	-	-	.974	.571
84.50	.974	.563	.974	.555
85.50	.974	.556	-	-
86.50	.974	.541	.974	.533
87.50	.991	.536	.974	.522
88.50	.991	.518	.974	.507
89.50	.991	.499	.974	.487
90.50	.991	.483	.974	.471
91.50	.991	.468	.974	.458
92.50	.991	.450	.974	.450
93.50	.991	.440	.974	.441
94.50	.991	.426	.974	.434
95.50	.991	.415	.983	.420
96.50	.991	.406	.983	.412
97.50	.991	.390	.991	.403
98.50	.991	.382	.991	.397
99.50	.991	.370	.991	.393
100.50	.991	.359	.991	.380
101.50	.991	.355	.991	.369
102.50	.991	.343	.991	.356
103.50	.991	.337	.991	.343
104.50	.991	.326	.991	.332
105.50	.991	.320	-	-
106.00	-	-	.991	.324
106.50	.991	.314	-	-
107.50	1.000	.309	.991	.316
108.50	1.000	.305	.991	.310
109.50	1.000	.299	.991	.306
110.50	1.000	.285	.991	.301
111.50	1.000	.280	.991	.296
112.50	1.000	.272	1.000	.290
113.50	1.000	.263	1.000	.272
114.50	1.000	.253	1.000	.266

Grade 3
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
115.50	1.000	.245	1.000	.261
116.50	1.000	.238	1.000	.251
117.50	1.000	.231	1.000	.242
118.50	1.000	.226	1.000	.233
119.50	1.000	.220	1.000	.228
120.50	1.000	.212	1.000	.224
121.50	1.000	.207	1.000	.214
122.50	1.000	.201	1.000	.211
123.50	-	-	1.000	.208
124.50	1.000	.194	1.000	.199
125.50	1.000	.190	1.000	.193
126.50	1.000	.186	-	-
127.50	1.000	.183	1.000	.187
128.50	1.000	.179	1.000	.183
129.50	1.000	.173	1.000	.173
130.50	1.000	.166	1.000	.167
131.50	1.000	.161	1.000	.164
132.50	1.000	.154	1.000	.158
133.50	1.000	.152	1.000	.154
134.50	1.000	.145	1.000	.150
135.50	1.000	.144	1.000	.149
136.50	1.000	.132	1.000	.146
137.50	1.000	.130	1.000	.144
138.50	1.000	.127	1.000	.141
139.50	1.000	.121	1.000	.134
140.50	1.000	.118	1.000	.127
141.50	1.000	.112	1.000	.125
142.50	1.000	.107	1.000	.121
143.50	1.000	.101	1.000	.117
144.50	1.000	.096	1.000	.112
145.50	1.000	.092	1.000	.110
146.50	1.000	.086	1.000	.106
147.50	1.000	.083	1.000	.104
148.50	1.000	.077	1.000	.100
149.50	1.000	.073	1.000	.099
150.50	1.000	.069	1.000	.096
151.50	1.000	.063	1.000	.088
152.50	1.000	.060	1.000	.084

Grade 3
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
153.50	1.000	.058	1.000	.083
154.50	1.000	.055	1.000	.079
155.50	1.000	.052	1.000	.076
156.50	1.000	.048	1.000	.072
158.00	1.000	.046	1.000	.067
159.50	1.000	.045	1.000	.064
160.50	1.000	.043	1.000	.062
161.50	1.000	.039	1.000	.057
162.50	1.000	.034	1.000	.053
164.50	1.000	.032	1.000	.051
165.50	-	-	1.000	.049
166.50	-	-	1.000	.044
168.00	-	-	1.000	.040
168.50	1.000	.028	-	-
170.50	1.000	.025	1.000	.034
171.50	1.000	.023	1.000	.033
172.50	-	-	1.000	.029
173.00	1.000	.021	-	-
173.50	-	-	1.000	.027
174.50	1.000	.019	1.000	.024
175.50	1.000	.017	-	-
176.00	-	-	1.000	.023
176.50	1.000	.016	-	-
177.50	1.000	.015	1.000	.021
178.50	-	-	1.000	.016
179.00	1.000	.011	-	-
180.00	-	-	1.000	.015
181.50	1.000	.010	-	-
182.00	-	-	1.000	.013
185.50	1.000	.008	-	-
187.00	-	-	1.000	.012
188.50	1.000	.007	-	-
190.50	1.000	.005	-	-
191.50	-	-	1.000	.011
192.50	-	-	1.000	.008
193.50	-	-	1.000	.005
194.00	1.000	.004	-	-
195.00	-	-	1.000	.004

Grade 3
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
197.00	-	-	1.000	.003
199.00	1.000	.003	-	-
202.50	1.000	.002	-	-
206.00	-	-	1.000	.002
211.00	1.000	.001	-	-
220.00	1.000	.000	-	-
229.00	-	-	1.000	.001
245.00	-	-	1.000	.000

Grade 3
Fall MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	117
	Negative	1011
	Missing	816
Group 2	Positive[a]	120
	Negative	1004
	Missing	820

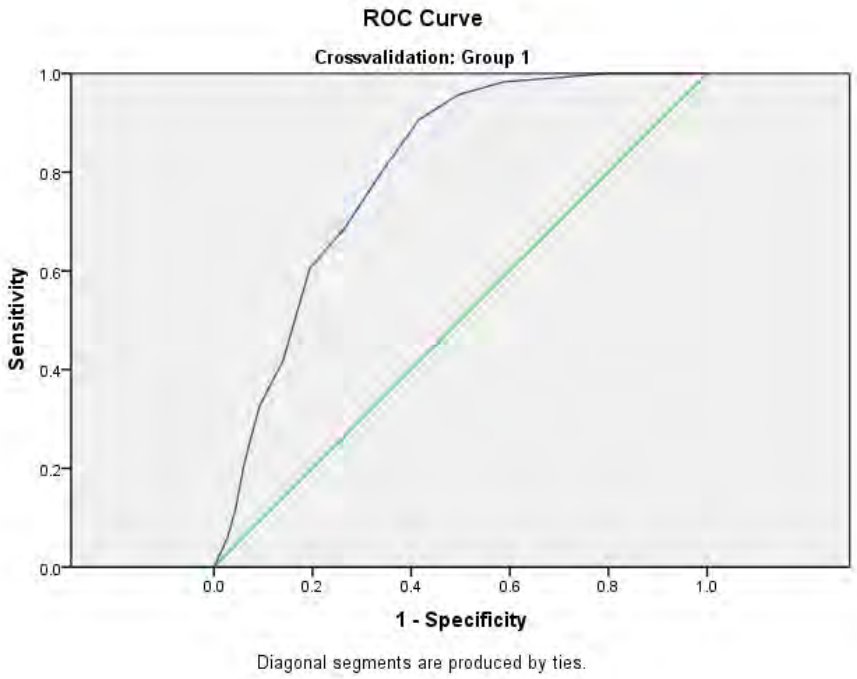
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group.

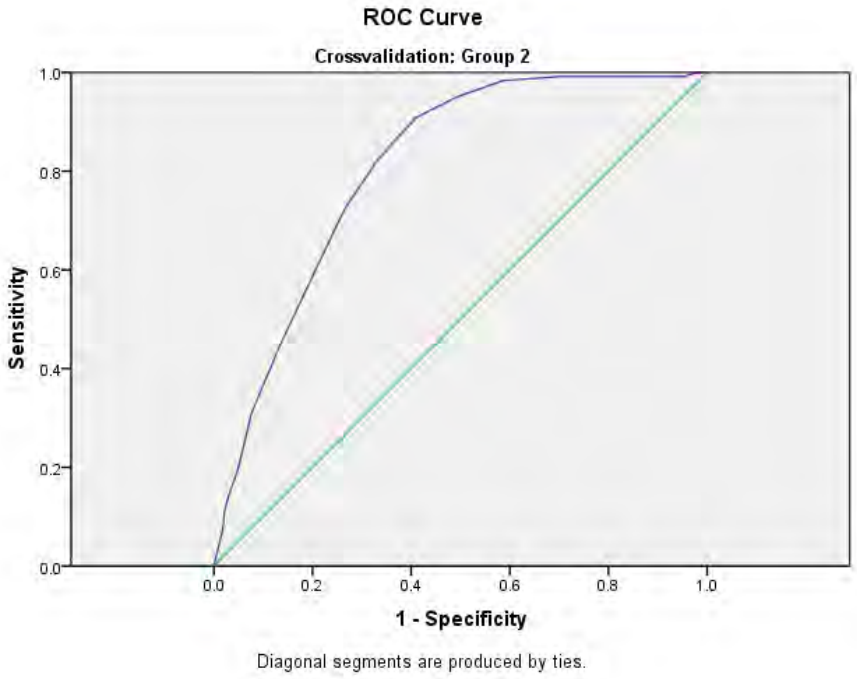
Area Under the Curve[c,d]

Test Result Variable(s):Fall09MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.799	.017	.000	.766	.832
Group 2	.808	.017	.000	.774	.841

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.060	.972	.075	.982
1.50	.068	.970	.092	.980
2.50	.077	.967	.108	.979
3.50	.120	.955	.142	.970
4.50	.205	.940	.200	.950
5.50	.325	.908	.308	.924
6.50	.419	.860	.442	.869
7.50	.607	.805	.575	.806
8.50	.684	.737	**.725**	**.734**
9.50	**.803**	**.658**	.825	.666
10.50	.906	.585	.908	.591
11.50	.957	.503	.950	.508
12.50	.983	.412	.983	.414
13.50	.991	.301	.992	.299
14.50	1.000	.201	.992	.195
15.50	1.000	.115	.992	.101
16.50	1.000	.046	.992	.047
17.50	1.000	.013	1.000	.021
18.50	1.000	.001	1.000	.005
19.50	-	-	1.000	.001
20.00	1.000	.000	-	-
21.00	-	-	1.000	.000

Grade 3
Fall VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	103
	Negative	905
	Missing	936
Group 2	Positive[a]	111
	Negative	896
	Missing	937

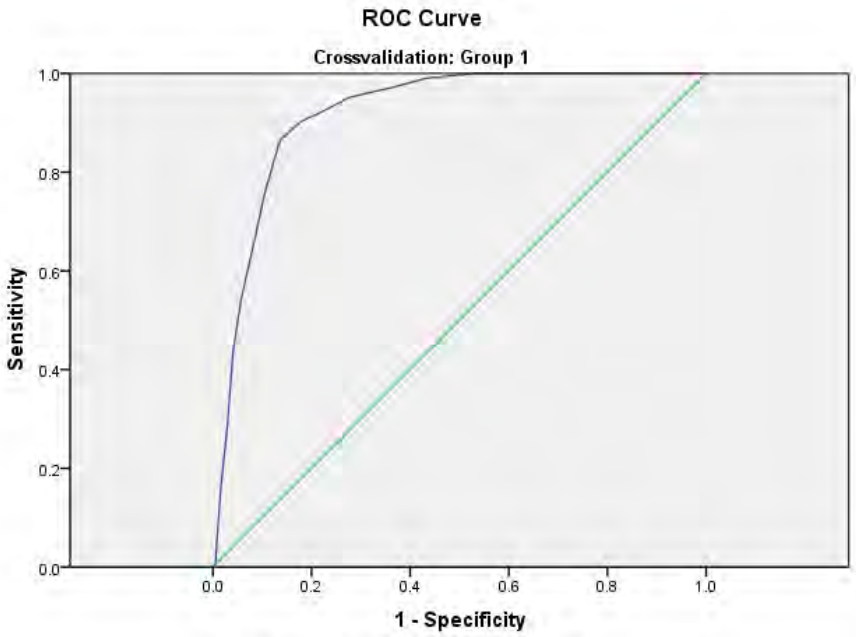
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group.

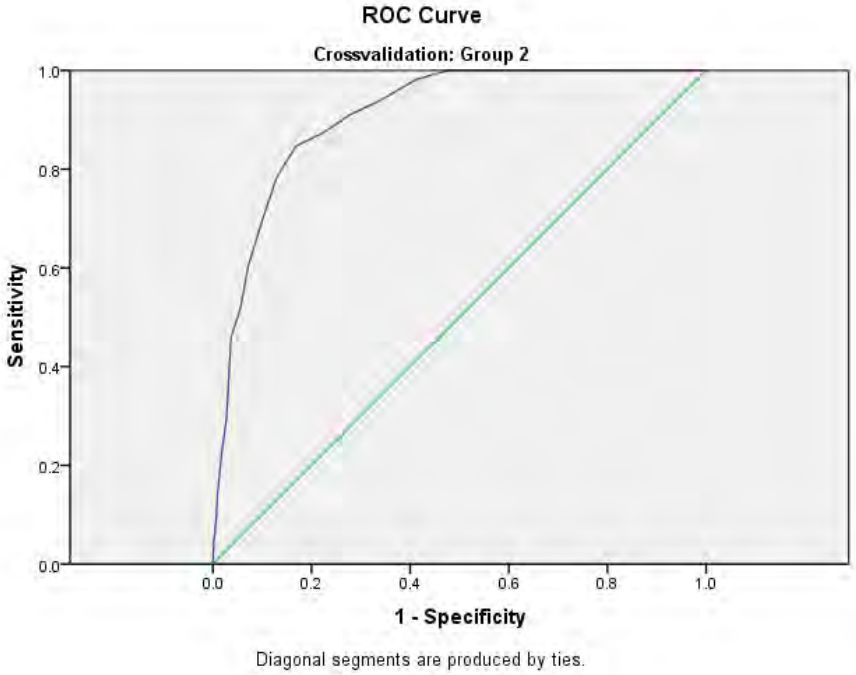
Area Under the Curve[c,d]

Test Result Variable(s):Fall09Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.919	.011	.000	.898	.940
Group 2	.908	.012	.000	.885	.931

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.000	.997	-	-
1.00	-	-	.054	.998
2.00	.000	.996	-	-
2.50	-	-	.054	.997
3.50	.010	.994	.072	.996
4.50	.049	.992	.090	.993
5.50	.078	.990	.135	.991
6.50	.165	.983	.225	.982
7.50	.291	.970	.297	.972
8.50	.437	.959	.459	.963
9.50	.544	.943	.514	.945
10.50	.650	.918	.604	.929
11.50	.757	.895	.694	.901
12.50	**.864**	**.864**	.784	.871
13.50	.903	.821	**.847**	**.831**
14.50	.922	.779	.874	.776
15.50	.951	.724	.910	.723
16.50	.971	.640	.937	.665
17.50	.990	.567	.982	.587
18.50	1.000	.470	1.000	.525
19.50	1.000	.390	1.000	.440
20.50	1.000	.292	1.000	.354
21.50	1.000	.210	1.000	.246
22.50	1.000	.136	1.000	.166
23.50	1.000	.061	1.000	.093
24.50	1.000	.020	1.000	.033
26.00	1.000	.000	1.000	.000

Grade 3
Winter PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	123
	Negative	998
	Missing	823
Group 2	Positive[a]	122
	Negative	989
	Missing	833

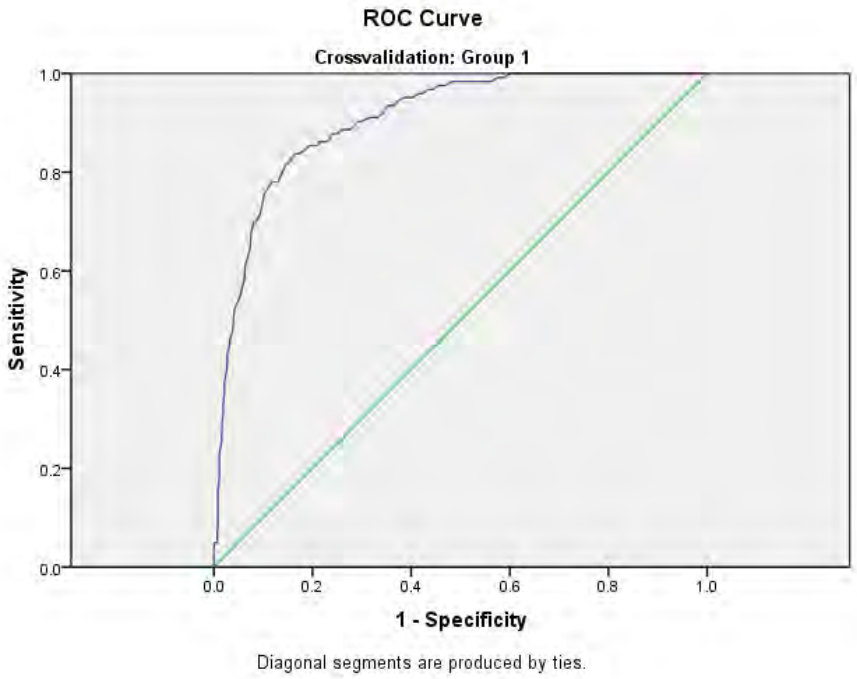
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group.

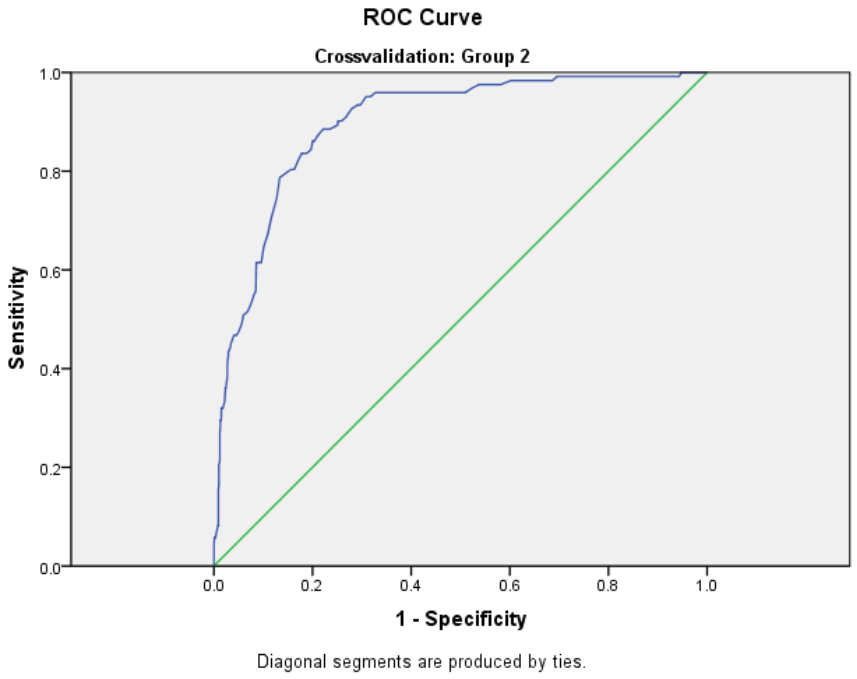
Area Under the Curve[c,d]

Test Result Variable(s):Wint10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.907	.012	.000	.883	.932
Group 2	.897	.014	.000	.869	.925

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
5.00	-	-	.000	1.000
6.00	.000	1.000	-	-
7.00	-	-	.008	1.000
7.50	.008	1.000	-	-
8.50	.016	1.000	.016	1.000
9.50	.024	1.000	.033	1.000
10.50	.033	1.000	-	-
11.00	-	-	.041	1.000
11.50	.041	1.000	-	-
12.50	.049	.999	.057	.999
13.50	.049	.996	.057	.997
14.50	-	-	.082	.992
15.50	.049	.993	.082	.991
17.50	.065	.993	.107	.991
19.00	.073	.993	-	-
19.50	-	-	.115	.991
20.50	.081	.992	-	-
21.00	-	-	.123	.991
21.50	.089	.992	-	-
22.50	.106	.992	.131	.991
23.50	-	-	.148	.991
24.00	.114	.992	-	-
24.50	-	-	.156	.991
25.50	.122	.992	.164	.990
26.50	.130	.992	.189	.990
27.50	-	-	.197	.990
28.50	-	-	.205	.990
29.00	.138	.992	-	-
30.50	-	-	.213	.988
31.50	.163	.992	-	-
32.50	.163	.991	.230	.988
33.50	.163	.990	.254	.988
34.50	.171	.990	.270	.988
35.50	.187	.989	-	-
36.00	-	-	.287	.987
36.50	.203	.989	-	-
37.50	.220	.989	.295	.987
38.50	.228	.989	-	-

Grade 3
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
39.50	.236	.988	-	-
40.00	-	-	.295	.986
40.50	.252	.985	-	-
42.00	.268	.984	-	-
42.50	-	-	.303	.985
44.00	.301	.983	.311	.985
45.50	.309	.981	.320	.985
46.50	.333	.981	.320	.984
47.50	.350	.979	.320	.982
48.50	.358	.979	.336	.978
50.00	.374	.979	-	-
50.50	-	-	.344	.978
52.00	.382	.977	-	-
52.50	-	-	.352	.977
53.50	.390	.976	.361	.977
54.50	.398	.974	.361	.976
55.50	.423	.973	.369	.975
56.50	.431	.973	.385	.973
57.50	.439	.972	.393	.973
58.50	.439	.970	.402	.973
59.50	.447	.969	.410	.973
60.50	.463	.967	.426	.971
61.50	.472	.964	.434	.971
62.50	.480	.962	.443	.967
63.50	.504	.960	.451	.966
64.50	.512	.959	-	-
65.00	-	-	.459	.963
65.50	.520	.959	-	-
66.50	.528	.956	.467	.960
67.50	.537	.952	.467	.954
68.50	.545	.948	.475	.949
69.50	.553	.946	.492	.943
70.50	.561	.944	.508	.940
71.50	.585	.938	.516	.931
72.50	.610	.937	.533	.924
73.50	.626	.932	.549	.919
74.50	.650	.926	.557	.915

Grade 3
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
75.50	.675	.925	.615	.914
76.50	.699	.920	.615	.904
77.50	.699	.915	.648	.899
78.50	.715	.906	.672	.891
79.50	.756	.898	.705	.884
80.50	.780	.882	.746	.873
81.50	.780	.870	.787	.867
82.50	.797	.863	.795	.855
83.50	.813	.856	.803	.844
84.50	.821	.847	.803	.837
85.50	.837	.835	.820	.830
86.50	.837	.827	.836	.822
87.50	.846	.816	.836	.812
88.50	**.854**	**.807**	.844	.803
89.50	.854	.802	**.861**	**.800**
90.50	.854	.794	.861	.797
91.50	.854	.790	.869	.792
92.50	.862	.787	.877	.786
93.50	.862	.770	.885	.779
94.50	.878	.760	.885	.764
95.50	.878	.747	.893	.749
96.50	.886	.741	.902	.748
97.50	.886	.735	.902	.741
98.50	.886	.723	.910	.732
99.50	.894	.714	.926	.721
100.50	.902	.709	.934	.709
101.50	.902	.702	.934	.703
102.50	.911	.684	.951	.692
103.50	.911	.675	.951	.683
104.50	.911	.668	.959	.673
105.50	.919	.658	.959	.665
106.50	.935	.646	.959	.658
107.50	.935	.635	.959	.649
108.50	.943	.629	.959	.637
109.50	.951	.615	.959	.620
110.50	.951	.607	.959	.610
111.50	.951	.596	.959	.595

Grade 3
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
112.50	.959	.584	.959	.586
113.50	.959	.579	.959	.579
114.50	.959	.576	.959	.576
115.50	.967	.566	.959	.566
116.50	.967	.561	.959	.550
117.50	.967	.555	.959	.542
118.50	.976	.545	.959	.534
119.50	.976	.529	.959	.525
120.50	.984	.519	.959	.522
121.50	.984	.515	.959	.514
122.50	.984	.503	.959	.505
123.50	.984	.498	.959	.495
124.50	.984	.487	.959	.490
125.50	.984	.475	.967	.478
126.50	.984	.452	.975	.463
127.50	.984	.449	.975	.459
128.50	.984	.441	.975	.451
129.50	.984	.437	.975	.444
130.50	.992	.425	.975	.434
131.50	.992	.410	.975	.419
132.50	1.000	.402	.984	.397
133.50	1.000	.396	.984	.392
134.50	1.000	.392	.984	.379
135.50	1.000	.384	.984	.372
136.50	1.000	.383	.984	.370
137.50	1.000	.372	.984	.363
138.50	1.000	.368	.984	.359
139.50	1.000	.362	.984	.355
140.50	1.000	.358	.984	.346
141.50	1.000	.355	.984	.344
142.50	1.000	.353	.984	.339
143.50	1.000	.345	.984	.327
144.50	1.000	.338	.984	.324
145.50	1.000	.329	.984	.313
146.50	1.000	.316	.992	.304
147.50	1.000	.303	.992	.295

Grade 3
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
148.50	1.000	.300	.992	.289
149.50	1.000	.289	.992	.285
150.50	1.000	.283	.992	.280
151.50	1.000	.279	.992	.277
152.50	1.000	.268	.992	.269
153.50	1.000	.263	.992	.267
154.50	1.000	.257	.992	.264
155.50	1.000	.246	.992	.255
156.50	1.000	.240	.992	.242
157.50	1.000	.230	.992	.235
158.50	1.000	.225	.992	.225
159.50	1.000	.217	.992	.217
160.50	1.000	.203	.992	.200
161.50	1.000	.198	.992	.196
162.50	1.000	.190	.992	.187
163.50	1.000	.181	.992	.182
164.50	1.000	.177	.992	.178
165.50	1.000	.170	.992	0.175
166.50	1.000	.161	.992	0.168
167.50	1.000	.150	.992	0.160
168.50	1.000	.147	.992	0.159
169.50	1.000	.143	.992	0.157
170.50	1.000	.140	.992	0.152
171.50	1.000	.128	.992	0.141
172.50	1.000	.126	.992	0.137
173.50	1.000	.119	.992	0.134
174.50	1.000	.115	.992	0.131
175.50	1.000	.112	.992	0.128
176.50	1.000	.109	.992	0.122
177.50	1.000	.107	.992	0.118
178.50	1.000	.097	.992	0.114
179.50	-	-	.992	0.110
180.00	1.000	.094	-	-
180.50	-	-	.992	0.107
181.50	1.000	.093	.992	0.103
182.50	1.000	.090	.992	0.101
183.50	1.000	.086	.992	0.093

Grade 3
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
184.50	1.000	.083	.992	0.089
185.50	1.000	.082	.992	0.085
186.50	1.000	.075	.992	0.080
187.50	-	-	.992	0.076
188.00	1.000	.065	-	-
188.50	-	-	.992	0.073
189.50	1.000	.063	.992	0.069
190.50	1.000	.055	.992	0.062
191.50	1.000	.054	.992	0.060
193.00	1.000	.050	.992	0.058
194.50	1.000	.047	.992	0.057
195.50	1.000	.046	1.000	0.053
196.50	1.000	.042	1.000	0.052
197.50	1.000	.040	1.000	0.048
198.50	1.000	.037	-	-
199.00	-	-	1.000	0.040
200.00	1.000	.036	-	-
200.50	-	-	1.000	0.037
201.50	1.000	.035	1.000	0.036
202.50	1.000	.034	1.000	0.034
203.50	1.000	.033	1.000	0.032
204.50	1.000	.031	-	-
206.00	-	-	1.000	0.031
206.50	1.000	.029	-	-
208.50	-	-	1.000	0.025
209.50	1.000	.028	-	-
210.50	-	-	1.000	0.024
211.50	1.000	.027	-	-
212.50	1.000	.026	1.000	0.022
213.50	1.000	.020	1.000	0.018
215.00	-	-	1.000	0.016
215.50	1.000	.019	-	-
217.00	-	-	1.000	0.015
217.50	1.000	.018	-	-
219.00	1.000	.017	1.000	0.014
221.00	-	-	1.000	0.013
222.50	1.000	.014	-	-

Grade 3
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
223.00	-	-	1.000	0.011
224.50	-	-	1.000	0.010
227.00	-	-	1.000	0.008
228.00	1.000	.012	-	-
230.00	-	-	1.000	0.005
230.50	1.000	.011	-	-
231.50	1.000	.010	-	-
233.00	1.000	.009	-	-
233.50	-	-	1.000	0.004
235.00	1.000	.008	-	-
237.50	1.000	.006	-	-
239.00	-	-	1.000	0.002
241.50	1.000	.005	-	-
247.00	1.000	.004	-	-
254.50	1.000	.003	-	-
255.00	-	-	1.000	0.001
259.50	1.000	.002	-	-
269.00	-	-	1.000	0.000
284.00	1.000	.001	-	-
309.00	1.000	.000	-	-

Grade 3
Winter MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	132
	Negative	1067
	Missing	745
Group 2	Positive[a]	128
	Negative	1064
	Missing	752

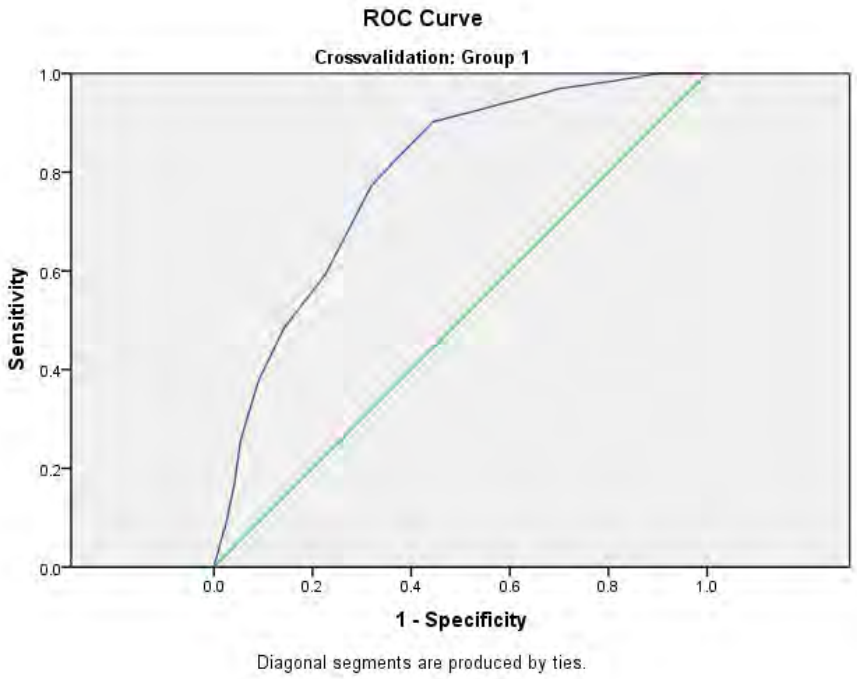
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group.

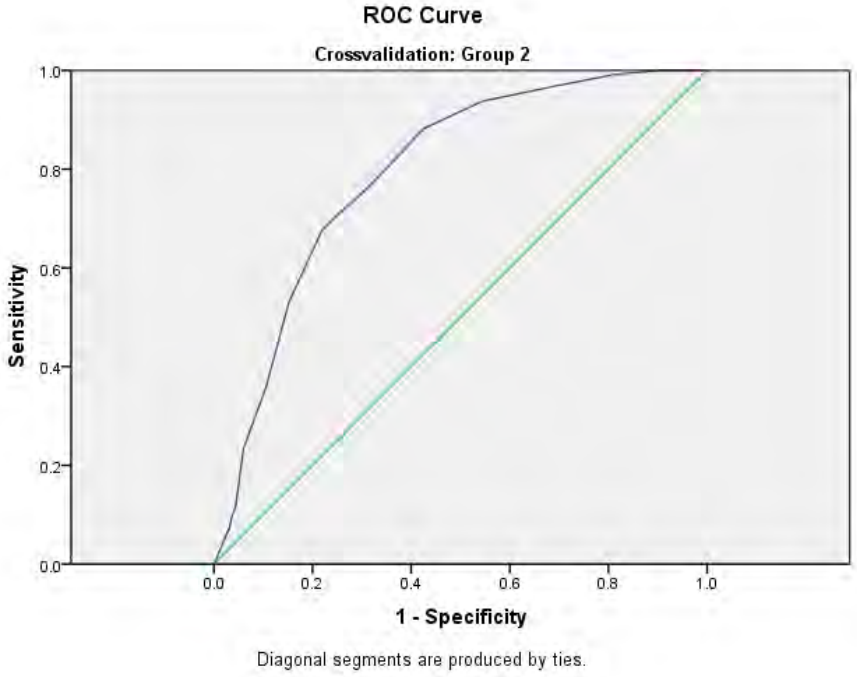
Area Under the Curve[c,d]

Test Result Variable(s):Wint10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.789	.018	.000	.753	.825
Group 2	.794	.018	.000	.759	.829

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.076	.979	.070	.970
1.50	.076	.978	-	-
2.00	-	-	.070	.969
2.50	.083	.977	-	-
3.50	.114	.970	.094	.964
4.50	.167	.959	.117	.956
5.50	.258	.946	.234	.940
6.50	.379	.909	.359	.894
7.50	.485	.858	.531	.848
8.50	.591	.775	.680	.779
9.50	**.773**	**.680**	**.766**	**.684**
10.50	.902	.558	.883	.573
11.50	.932	.441	.938	.456
12.50	.970	.297	.969	.306
13.50	.985	.188	.992	.185
14.50	1.000	.097	1.000	.093
15.50	1.000	.040	1.000	.039
16.50	1.000	.011	1.000	.009
17.50	1.000	.001	-	-
18.00	-	-	1.000	.000
19.00	1.000	.000	-	-

Grade 3
Spring PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	115
	Negative	963
	Missing	866
Group 2	Positive[a]	117
	Negative	951
	Missing	876

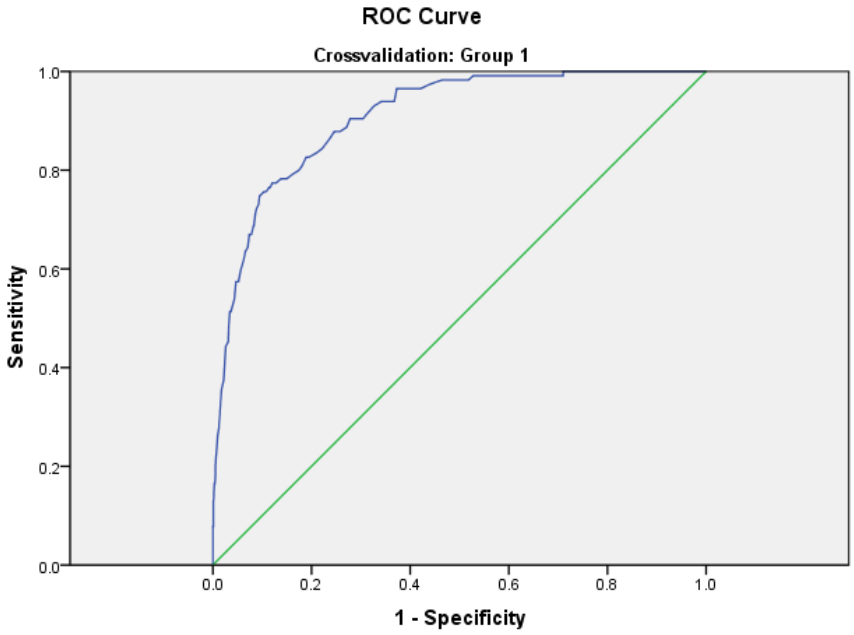
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group.

Area Under the Curve[c,d]

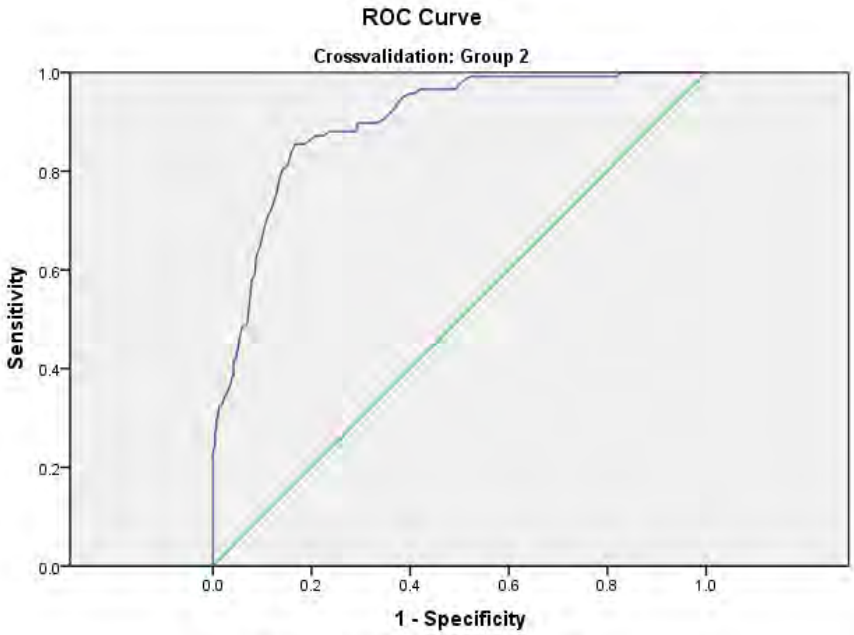
Test Result Variable(s):Spr10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.909	.013	.000	.883	.934
Group 2	.898	.014	.000	.871	.925

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.



Diagonal segments are produced by ties.



Diagonal segments are produced by ties.

Grade 3
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
2.00	.000	1.000	-	-
7.00	-	-	.000	1.000
7.50	.009	1.000	-	-
8.50	-	-	.009	1.000
10.50	-	-	.017	1.000
13.50	.017	1.000	-	-
14.50	-	-	.026	1.000
16.00	.026	1.000	-	-
18.00	.035	1.000	.034	1.000
19.50	.043	1.000	.043	1.000
20.50	.052	1.000	.060	1.000
22.00	.061	1.000	.077	1.000
23.50	.070	1.000	.085	1.000
24.50	-	-	.094	1.000
25.00	.078	1.000	-	-
25.50	-	-	.111	1.000
26.50	-	-	.120	1.000
27.50	.078	.999	-	-
28.00	-	-	.128	1.000
30.00	.096	.999	-	-
30.50	-	-	.137	1.000
32.00	.104	.999	-	-
33.00	-	-	.145	1.000
33.50	.113	.999	-	-
34.50	.130	.999	.171	1.000
36.00	-	-	.179	1.000
36.50	.139	.998	-	
38.00	-	-	.188	1.000
39.00	.148	.998	-	-
39.50	-	-	.205	1.000
40.50	.165	.997	.214	1.000
41.50	.165	.996	.222	1.000
42.50	.183	.995	.231	1.000
43.50	.191	.995	.239	.998
44.50	-	-	.239	.996
45.00	.200	.995	-	-
45.50	-	-	.248	.996

Grade 3
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
46.50	-	-	.274	.996
47.00	.217	.994	-	-
48.00	-	-	.274	.995
49.00	.243	.992	-	-
49.50	-	-	.282	.993
50.50	.261	.991	.291	.993
51.50	.278	.988	.299	.993
52.50	.287	.988	.299	.991
53.50	.296	.987	.325	.987
54.50	.330	.984	.325	.984
55.50	.357	.982	.325	.982
56.50	.374	.978	.342	.977
57.50	.426	.975	.350	.972
58.50	.443	.974	.368	.964
59.50	.452	.969	.385	.961
60.50	.487	.968	.385	.958
61.50	.496	.967	.419	.958
62.50	.513	.966	.419	.953
63.50	.513	.964	.436	.952
64.50	.539	.956	.436	.950
65.50	.574	.953	.453	.947
66.50	.574	.948	.470	.944
67.50	.591	.945	.487	.940
68.50	.600	.943	.487	.932
69.50	.617	.938	.496	.930
70.50	.635	.935	.530	.926
71.50	.643	.929	.547	.924
72.50	.670	.926	.581	.921
73.50	.670	.922	.590	.915
74.50	.687	.918	.624	.913
75.50	.687	.917	.641	.907
76.50	.713	.914	.650	.904
77.50	.722	.912	.650	.903
78.50	.730	.908	.667	.900
79.50	.748	.906	.675	.898
80.50	.757	.896	.692	.894
81.50	.757	.892	.709	.889

Grade 3
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
82.50	.765	.886	.718	.883
83.50	.765	.884	.744	.875
84.50	.774	.880	.752	.872
85.50	.774	.876	.786	.864
86.50	.774	.872	.803	.859
87.50	.783	.862	.812	.849
88.50	.783	.850	.838	.841
89.50	.791	.839	.855	.833
90.50	.800	.826	.855	.815
91.50	.809	.819	**.863**	**.802**
92.50	**.826**	**.811**	.872	.792
93.50	.826	.806	.872	.782
94.50	.835	.790	.872	.775
95.50	.843	.779	.880	.764
96.50	.861	.765	.880	.750
97.50	.878	.754	.880	.740
98.50	.878	.742	.880	.727
99.50	.887	.729	.880	.714
100.50	.904	.722	.880	.710
101.50	.904	.715	.897	.706
102.50	.904	.713	.897	.700
103.50	.904	.705	.897	.696
104.50	.904	.696	.897	.689
105.50	.913	.688	.897	.681
106.50	.930	.673	.897	.669
107.50	.939	.658	.906	.652
108.50	.939	.644	.923	.635
109.50	.939	.632	.940	.624
110.50	.965	.627	.949	.616
111.50	.965	.621	.957	.601
112.50	.965	.613	.957	.591
113.50	.965	.605	.966	.580
114.50	.965	.595	.966	.570
115.50	.965	.585	.966	.563
116.50	.965	.578	.966	.545
117.50	.974	.561	.966	.536
118.50	.983	.536	.966	.526

Grade 3
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
119.50	.983	.532	.966	.519
120.50	.983	.528	.966	.516
121.50	.983	.514	.966	.508
122.50	.983	.502	.974	.502
123.50	.983	.492	.983	.493
124.50	.983	.482	.991	.481
125.50	.991	.472	.991	.475
126.50	.991	.464	.991	.466
127.50	.991	.454	.991	.458
128.50	.991	.445	.991	.448
129.50	.991	.425	.991	.426
130.50	.991	.417	.991	.421
131.50	.991	.406	.991	.411
132.50	.991	.397	.991	.404
133.50	.991	.391	.991	.394
134.50	.991	.380	.991	.387
135.50	.991	.373	.991	.373
136.50	.991	.366	.991	.365
137.50	.991	.354	.991	.352
138.50	.991	.344	.991	.346
139.50	.991	.334	.991	.340
140.50	.991	.315	.991	.323
141.50	.991	.308	.991	.318
142.50	.991	.300	.991	.307
143.50	.991	.290	.991	.294
144.50	1.000	.290	.991	.292
145.50	1.000	.282	.991	.291
146.50	1.000	.279	.991	.286
147.50	1.000	.272	.991	.279
148.50	1.000	.268	.991	.270
149.50	1.000	.263	.991	.263
150.50	1.000	.254	.991	.254
151.50	1.000	.238	.991	.238
152.50	1.000	.228	.991	.233
153.50	1.000	.215	.991	.228
154.50	1.000	.210	.991	.223
155.50	1.000	.204	.991	.221

Grade 3
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
156.50	1.000	.201	.991	.213
157.50	1.000	.196	.991	.212
158.50	1.000	.191	.991	.208
159.50	1.000	.186	.991	.203
160.50	1.000	.181	.991	.193
161.50	1.000	.180	.991	.188
162.50	1.000	.179	.991	.187
163.50	1.000	.172	.991	.181
164.50	1.000	.169	1.000	.175
165.50	1.000	.164	1.000	.169
166.50	1.000	.151	1.000	.159
167.50	1.000	.147	1.000	.154
168.50	1.000	.141	1.000	.145
169.50	1.000	.139	1.000	.139
170.50	1.000	.133	1.000	.137
171.50	1.000	.131	1.000	.130
172.50	1.000	.127	1.000	.128
173.50	1.000	.123	1.000	.120
174.50	1.000	.117	1.000	.118
175.50	1.000	.115	1.000	.114
176.50	1.000	.109	1.000	.105
177.50	1.000	.107	1.000	.104
178.50	1.000	.104	1.000	.101
179.50	1.000	.101	1.000	.099
180.50	1.000	.096	1.000	.096
181.50	1.000	.090	1.000	.093
182.50	1.000	.082	1.000	.091
183.50	1.000	.078	1.000	.084
184.50	1.000	.077	1.000	.082
185.50	1.000	.075	1.000	.080
186.50	1.000	.074	1.000	.073
187.50	1.000	.073	1.000	.070
188.50	1.000	.069	1.000	.067
189.50	-	-	1.000	.065
190.00	1.000	.063	-	-
190.50	-	-	1.000	.062
191.50	-	-	1.000	.060

Grade 3
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
192.50	1.000	.059	-	-
193.00	-	-	1.000	.056
194.50	1.000	.057	1.000	.054
195.50	1.000	.053	1.000	.050
196.50	-	-	1.000	.045
197.00	1.000	.050	-	-
197.50	-	-	1.000	.044
198.50	1.000	.048	1.000	.043
199.50	1.000	.046	1.000	.040
200.50	1.000	.043	1.000	.033
201.50	1.000	.040	-	-
202.00	-	-	1.000	.032
202.50	1.000	.038	-	-
203.50	1.000	.036	1.000	.030
204.50	1.000	.035	1.000	.028
205.50	1.000	.030	1.000	.026
206.50	1.000	.029	1.000	.025
207.50	1.000	.028	1.000	.023
208.50	1.000	.026	1.000	.022
209.50	1.000	.025	1.000	.021
211.50	-	-	1.000	.019
212.00	1.000	.024	-	-
213.50	-	-	1.000	.018
214.50	1.000	.023	1.000	.017
215.50	1.000	.019	-	-
216.50	1.000	.018	1.000	.016
217.50	1.000	.017	-	-
218.50	1.000	.016	-	-
219.00	-	-	1.000	.015
219.50	1.000	.015	-	-
221.00	-	-	1.000	.014
221.50	1.000	.013	-	-
223.00	-	-	1.000	.012
223.50	1.000	.012	-	-
224.50	-	-	1.000	.011
225.50	-	-	1.000	.008
226.50	1.000	.011	-	-

Grade 3
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
228.50	-	-	1.000	.007
231.50	1.000	.009	-	-
232.00	-	-	1.000	.006
234.00	-	-	1.000	.005
235.00	1.000	.008	-	-
238.00	1.000	.007	-	-
241.00	-	-	1.000	.004
241.50	1.000	.005	-	-
246.00	1.000	.004	-	-
249.00	-	-	1.000	.003
250.00	1.000	.003	1.000	.002
252.50	1.000	.002	-	-
254.50	1.000	.001	-	-
256.00	1.000	.000	-	-
259.50	-	-	1.000	.001
267.00	-	-	1.000	.000

Grade 3
Spring MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	125
	Negative	1045
	Missing	774
Group 2	Positive[a]	123
	Negative	1021
	Missing	800

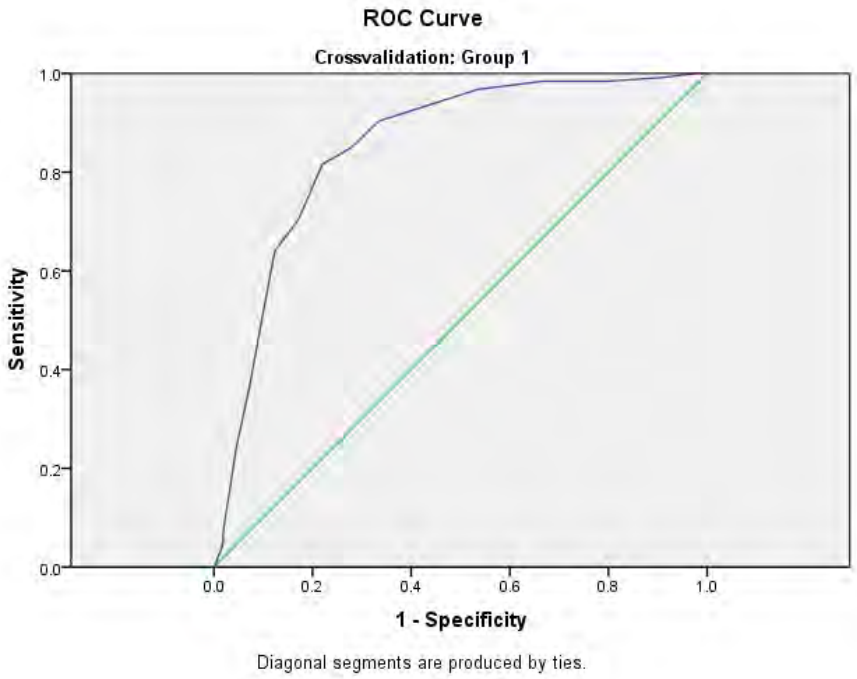
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group.

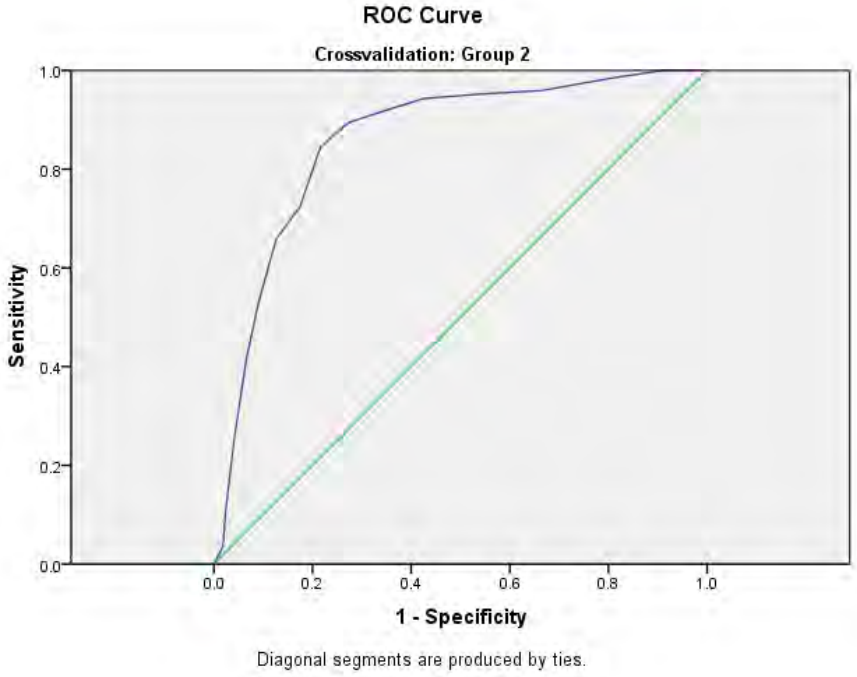
Area Under the Curve[c,d]

Test Result Variable(s):Spr10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.851	.016	.000	.820	.882
Group 2	.859	.017	.000	.826	.891

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.040	.984	.033	.983
1.50	.048	.983	.033	.982
2.50	.048	.982	.041	.981
3.50	.072	.981	.065	.979
4.50	.088	.979	.106	.976
5.50	.152	.968	.163	.970
6.50	.240	.955	.252	.959
7.50	.368	.927	.415	.934
8.50	.504	.902	.528	.910
9.50	.640	.877	.659	.874
10.50	.704	.829	.724	.826
11.50	.816	.780	.846	.784
12.50	**.848**	**.724**	**.894**	**.727**
13.50	.904	.664	.919	.653
14.50	.936	.565	.943	.575
15.50	.968	.463	.951	.473
16.50	.984	.334	.959	.335
17.50	.984	.204	.984	.198
18.50	.992	.088	1.000	.090
19.50	1.000	.023	1.000	.019
21.00	1.000	.000	1.000	.000

Grade 3
Spring VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	116
	Negative	941
	Missing	887
Group 2	Positive[a]	112
	Negative	920
	Missing	912

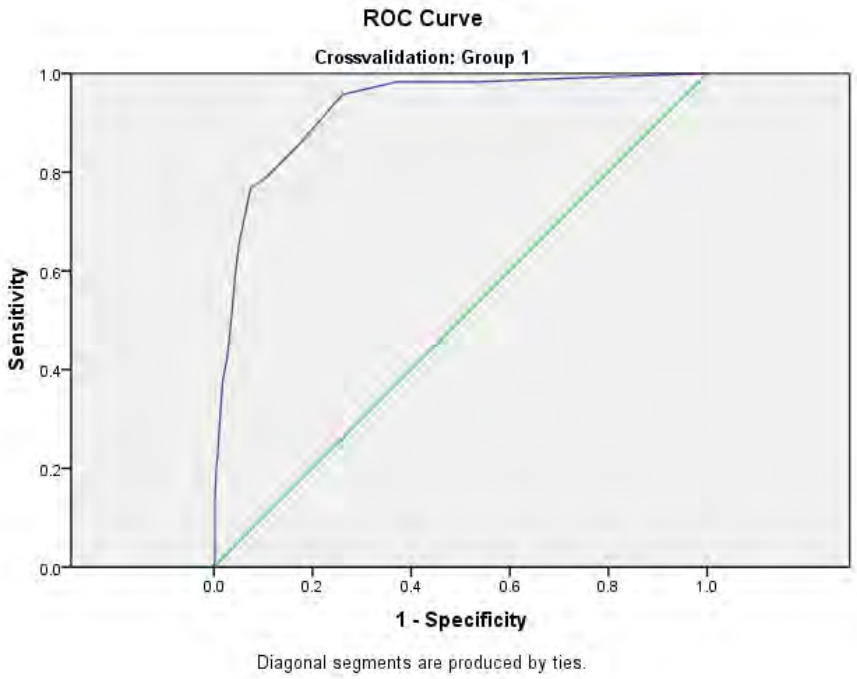
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group.

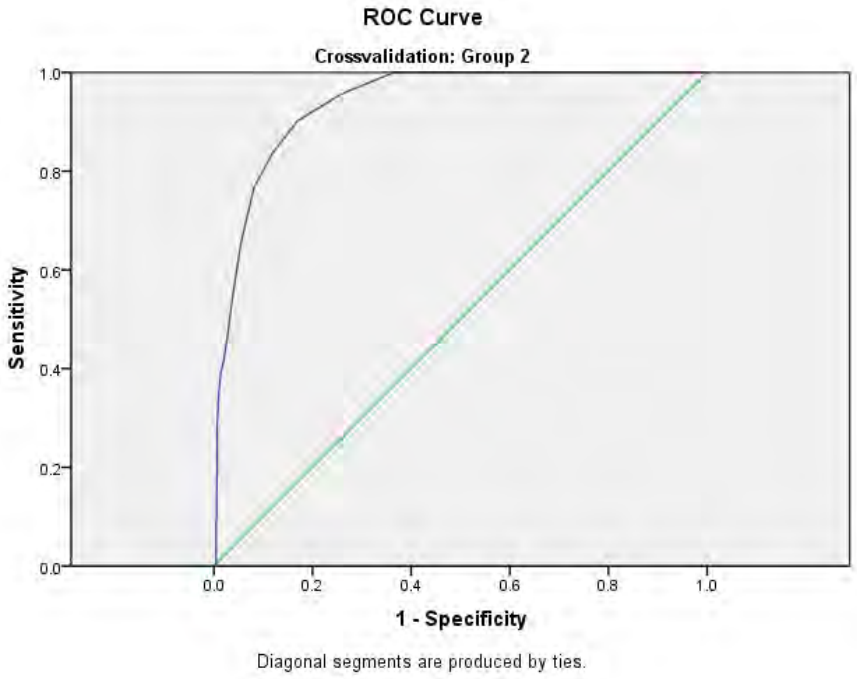
Area Under the Curve[c,d]

Test Result Variable(s):Spr10Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.926	.012	.000	.902	.950
Group 2	.939	.009	.000	.922	.956

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 3
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.000	.999
2.00	-	-	.000	.997
2.50	.017	.998	-	-
4.00	-	-	.000	.996
5.50	.034	.998	.018	.996
6.50	.052	.998	.045	.996
7.50	.069	.998	.071	.996
8.50	.138	.998	.107	.995
9.50	.164	.997	.143	.995
10.50	.207	.995	.188	.993
11.50	.224	.993	.286	.993
12.50	.276	.989	.348	.990
13.50	.379	.982	.393	.986
14.50	.422	.973	.420	.979
15.50	.500	.965	.464	.973
16.50	.595	.956	.554	.961
17.50	.655	.949	.652	.946
18.50	.767	.926	.768	.918
19.50	.793	.889	.839	.879
20.50	**.853**	**.830**	**.902**	**.830**
21.50	.957	.740	.955	.743
22.50	.983	.631	1.000	.635
23.50	.983	.470	1.000	.493
24.50	.991	.252	1.000	.260
26.00	1.000	.000	1.000	.000

Grade 4
Fall PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	120
	Negative	982
	Missing	768
Group 2	Positive[a]	111
	Negative	998
	Missing	761

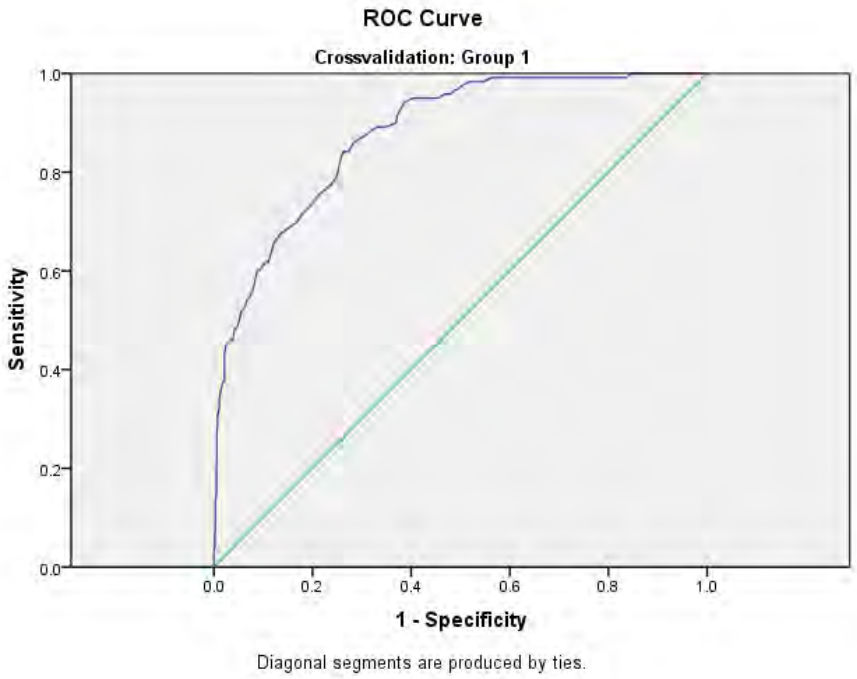
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group.

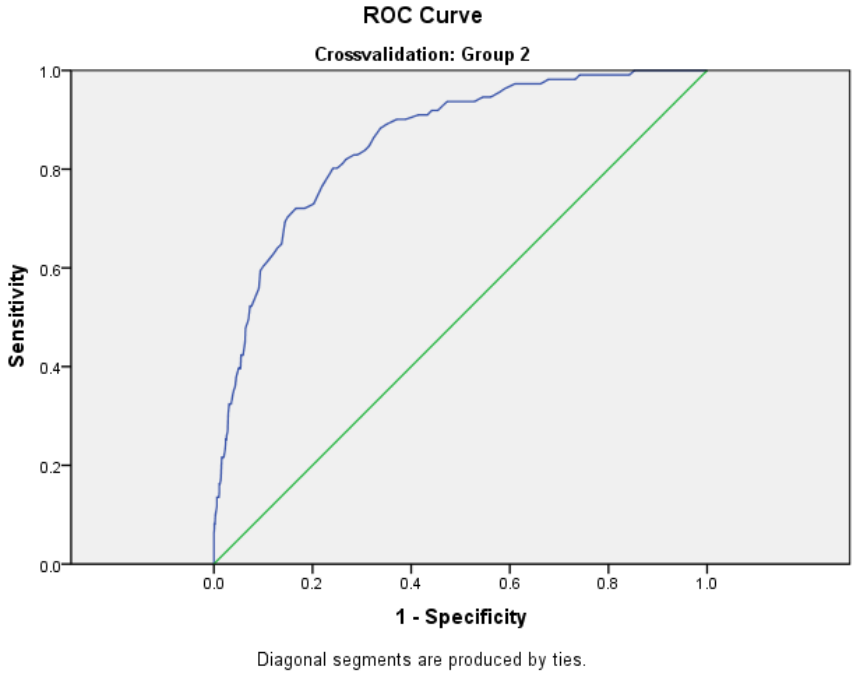
Area Under the Curve[c,d]

Test Result Variable(s):Fall09PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.878	.015	.000	.849	.908
Group 2	.856	.018	.000	.822	.891

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
3.00	.000	1.000	-	-
8.00	.008	1.000	.000	1.000
12.00	-	-	.009	1.000
12.50	.017	1.000	-	-
15.50	.025	1.000	.027	1.000
17.00	-	-	.036	1.000
18.50	-	-	.045	1.000
19.00	.033	1.000	-	-
20.00	-	-	.054	1.000
22.00	.042	.999	-	-
22.50	-	-	.063	1.000
25.00	.042	.998	.072	.999
26.50	.050	.998	.081	.999
28.00	.058	.998	-	-
28.50	-	-	.081	.998
30.00	.067	.998	-	-
31.00	-	-	.099	.997
34.00	.083	.997	-	-
34.50	-	-	.117	.994
37.50	-	-	.126	.994
38.00	.092	.997	-	-
39.00	-	-	.135	.994
39.50	.108	.997	-	-
40.50	.133	.997	.135	.992
41.50	.150	.995	-	-
42.00	-	-	.135	.990
42.50	.158	.995	-	-
43.50	.183	.995	.144	.989
44.50	.200	.995	.153	.989
45.50	.225	.994	-	-
46.00	-	-	.162	.989
46.50	.242	.994	-	-
47.50	.275	.994	.162	.988
48.50	.283	.993	-	-
49.00	-	-	.171	.986
49.50	.300	.993	-	-
50.50	-	-	.198	.985

Grade 4
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
51.00	.308	.993	-	-
51.50	-	-	.216	.984
52.50	.308	.991	.216	.980
53.50	.317	.991	.234	.977
54.50	.325	.989	.252	.976
55.50	.342	.989	.252	.975
56.50	.358	.986	.261	.974
57.50	.367	.984	.270	.972
58.50	.375	.983	-	-
59.00	-	-	.306	.971
59.50	.375	.979	-	-
60.50	.383	.979	.324	.969
61.50	.433	.979	.324	.965
62.50	.442	.977	.342	.962
63.50	.450	.976	.351	.960
64.50	.458	.968	.360	.957
65.50	.458	.966	.378	.955
66.50	.458	.961	.396	.950
67.50	.483	.958	.396	.946
68.50	.483	.954	.423	.945
69.50	.500	.948	.423	.941
70.50	.517	.945	.450	.937
71.50	.525	.938	.477	.936
72.50	.542	.933	.495	.930
73.50	.550	.926	.523	.927
74.50	.567	.920	.523	.924
75.50	.600	.912	.532	.920
76.50	.600	.908	.559	.909
77.50	.608	.902	.595	.906
78.50	.617	.895	.604	.900
79.50	.617	.890	.613	.892
80.50	.658	.878	.622	.885
81.50	.675	.865	.631	.878
82.50	.683	.854	.640	.872
83.50	.692	.841	.649	.863
84.50	.700	.831	.694	.856
85.50	.717	.820	.703	.851

Grade 4
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
86.50	.733	.804	.721	.834
87.50	.758	.782	.721	.816
88.50	.775	.763	.730	.798
89.50	.792	.751	.766	.781
90.50	.825	.743	.784	.770
91.50	.842	.738	.802	.759
92.50	.842	.727	.802	.751
93.50	.858	.718	.811	.739
94.50	**.867**	**.707**	.820	.732
95.50	.875	.692	**.829**	**.716**
96.50	.883	.682	.829	.709
97.50	.892	.670	.838	.694
98.50	.892	.659	.847	.685
99.50	.892	.652	.865	.675
100.50	.900	.630	.883	.662
101.50	.917	.628	.892	.648
102.50	.942	.613	.901	.629
103.50	.950	.598	.901	.611
104.50	.950	.580	.910	.586
105.50	.950	.568	.910	.567
106.50	.950	.557	.919	.558
107.50	.950	.545	.919	.546
108.50	.958	.533	.928	.537
109.50	.958	.520	.937	.527
110.50	.967	.511	.937	.519
111.50	.967	.507	.937	.508
112.50	.975	.497	.937	.493
113.50	.983	.484	.937	.480
114.50	.983	.473	.937	.472
115.50	.983	.453	.946	.455
116.50	.992	.437	.946	.439
117.50	.992	.419	.955	.423
118.50	.992	.399	.964	.409
119.50	.992	.390	.973	.390
120.50	.992	.384	.973	.375
121.50	.992	.373	.973	.361
122.50	.992	.367	.973	.354

Grade 4
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
123.50	.992	.355	.973	.346
124.50	.992	.346	.973	.338
125.50	.992	.340	.982	.322
126.50	.992	.331	.982	.311
127.50	.992	.323	.982	.303
128.50	.992	.317	.982	.297
129.50	.992	.302	.982	.287
130.50	.992	.293	.982	.279
131.50	.992	.285	.982	.273
132.50	.992	.280	.982	.268
133.50	.992	.272	.991	.259
134.50	.992	.261	.991	.253
135.50	.992	.253	.991	.246
136.50	.992	.247	.991	.238
137.50	.992	.241	.991	.232
138.50	.992	.234	.991	.231
139.50	.992	.226	.991	.225
140.50	.992	.221	.991	.215
141.50	.992	.206	.991	.203
142.50	.992	.201	.991	.196
143.50	.992	.192	.991	.191
144.50	.992	.190	.991	.184
145.50	.992	.183	.991	.174
146.50	.992	.178	.991	.167
147.50	.992	.175	.991	.157
148.50	.992	.168	1.000	.147
149.50	.992	.165	1.000	.143
150.50	.992	.162	1.000	.139
151.50	1.000	.157	1.000	.134
152.50	1.000	.152	1.000	.123
153.50	1.000	.147	1.000	.119
154.50	1.000	.145	1.000	.117
155.50	1.000	.142	1.000	.115
156.50	1.000	.137	1.000	.112
157.50	1.000	.136	1.000	.109
158.50	1.000	.129	1.000	.106
159.50	1.000	.121	1.000	.103

Grade 4
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
160.50	1.000	.118	1.000	.101
161.50	1.000	.117	1.000	.097
162.50	1.000	.115	1.000	.096
163.50	1.000	.111	1.000	.092
165.00	1.000	.109	1.000	.087
166.50	1.000	.105	1.000	.083
167.50	1.000	.098	1.000	.078
168.50	1.000	.093	1.000	.075
169.50	1.000	.086	1.000	.070
170.50	1.000	.077	1.000	.066
171.50	1.000	.075	1.000	.063
172.50	1.000	.074	1.000	.060
173.50	1.000	.071	1.000	.058
174.50	1.000	.065	1.000	.052
175.50	1.000	.058	1.000	.049
176.50	-	-	1.000	.046
177.00	1.000	.056	-	-
177.50	-	-	1.000	.044
178.50	1.000	.051	1.000	.043
179.50	1.000	.048	1.000	.040
180.50	-	-	1.000	.038
181.50	1.000	.039	1.000	.037
182.50	-	-	1.000	.035
183.50	1.000	.037	1.000	.031
184.50	1.000	.036	-	-
185.00	-	-	1.000	.030
185.50	1.000	.034	-	-
186.50	1.000	.033	1.000	.029
187.50	-	-	1.000	.027
188.00	1.000	.032	-	-
188.50	-	-	1.000	.026
189.50	1.000	.029	-	-
190.50	1.000	.027	-	-
191.50	1.000	.026	1.000	.024
193.00	1.000	.025	-	-
194.50	-	-	1.000	.021

Grade 4
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
195.00	1.000	.024	-	-
195.50	-	-	1.000	.019
196.50	1.000	.022	-	-
197.00	-	-	1.000	.018
198.00	1.000	.021	-	-
198.50	-	-	1.000	.017
200.00	1.000	.019	1.000	.016
201.50	-	-	1.000	.015
202.00	1.000	.018	-	-
203.00	-	-	1.000	.014
203.50	1.000	.017	-	-
204.50	-	-	1.000	.013
205.50	1.000	.016	-	-
207.00	-	-	1.000	.012
208.00	1.000	.013	-	-
209.50	-	-	1.000	.011
210.00	1.000	.011	-	-
211.50	1.000	.010	1.000	.010
212.00	-	-	1.000	.010
214.50	1.000	.009	-	-
215.00	-	-	1.000	.008
217.50	1.000	.008	1.000	.007
222.00	1.000	.007	1.000	.006
226.50	-	-	1.000	.005
228.00	1.000	.006	-	-
228.50	-	-	1.000	.004
232.50	-	-	1.000	.002
234.00	1.000	.005	-	-
240.00	1.000	.004	-	-
244.50	1.000	.003	-	-
245.00	-	-	1.000	.001
251.50	1.000	.002	-	-
255.00	-	-	1.000	.000
259.50	1.000	.001	-	-
264.00	1.000	.000	-	-

Grade 4
Fall MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	116
	Negative	1010
	Missing	744
Group 2	Positive[a]	117
	Negative	1001
	Missing	752

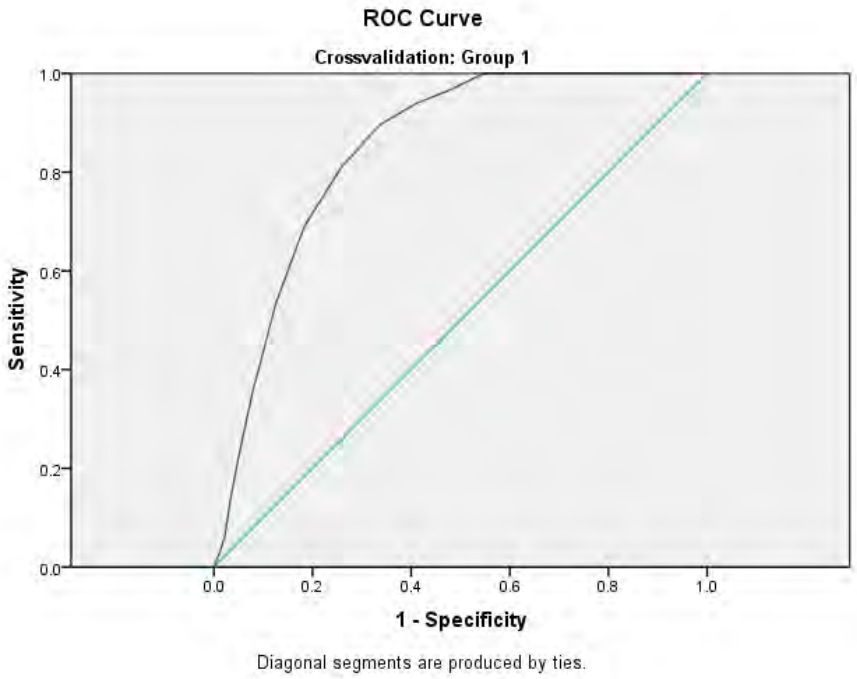
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group.

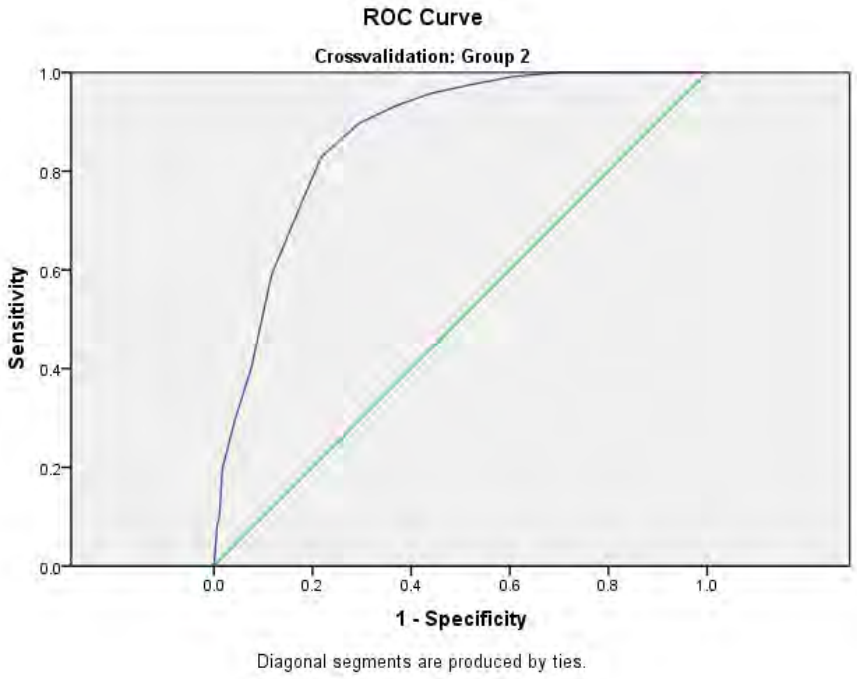
Area Under the Curve[c,d]

Test Result Variable(s):Fall09MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.845	.014	.000	.817	.873
Group 2	.868	.014	.000	.841	.896

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.043	.983	.085	.993
1.50	-	-	.094	.990
2.00	.052	.982	-	-
2.50	-	-	.111	.988
3.50	.060	.978	.145	.986
4.50	.138	.966	.197	.983
5.50	.216	.951	.291	.959
6.50	.353	.922	.402	.924
7.50	.534	.874	.590	.883
8.50	.690	.817	.726	.826
9.50	**.810**	**.742**	.829	.782
10.50	.897	.662	**.897**	**.705**
11.50	.940	.589	.932	.633
12.50	.966	.524	.957	.561
13.50	1.000	.452	.974	.484
14.50	1.000	.365	.991	.395
15.50	1.000	.274	1.000	.298
16.50	1.000	.184	1.000	.225
17.50	1.000	.113	1.000	.130
18.50	1.000	.043	1.000	.055
19.50	1.000	.010	1.000	.020
21.00	1.000	.000	1.000	.000

Grade 4
Fall VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	105
	Negative	873
	Missing	892
Group 2	Positive[a]	95
	Negative	880
	Missing	895

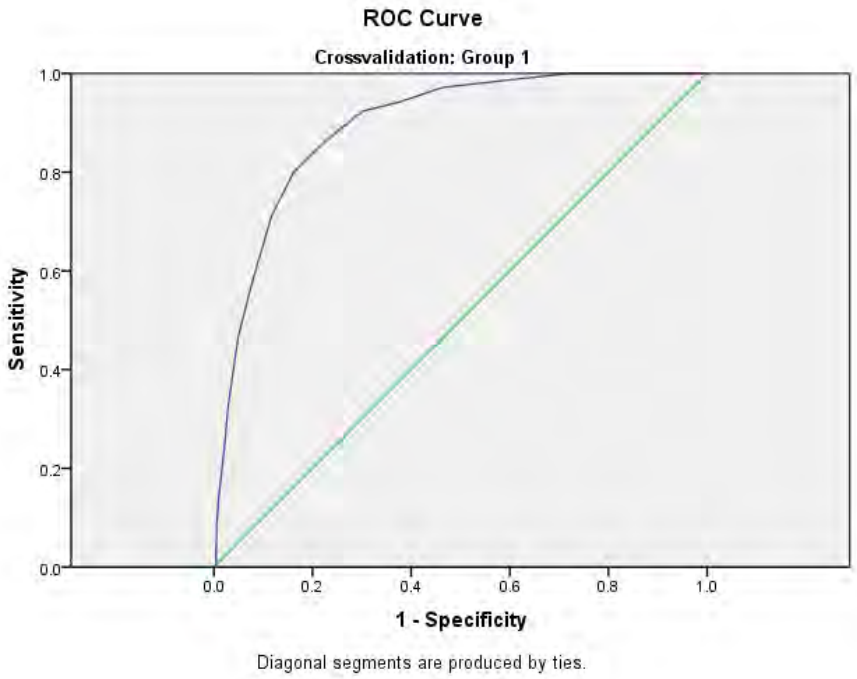
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group.

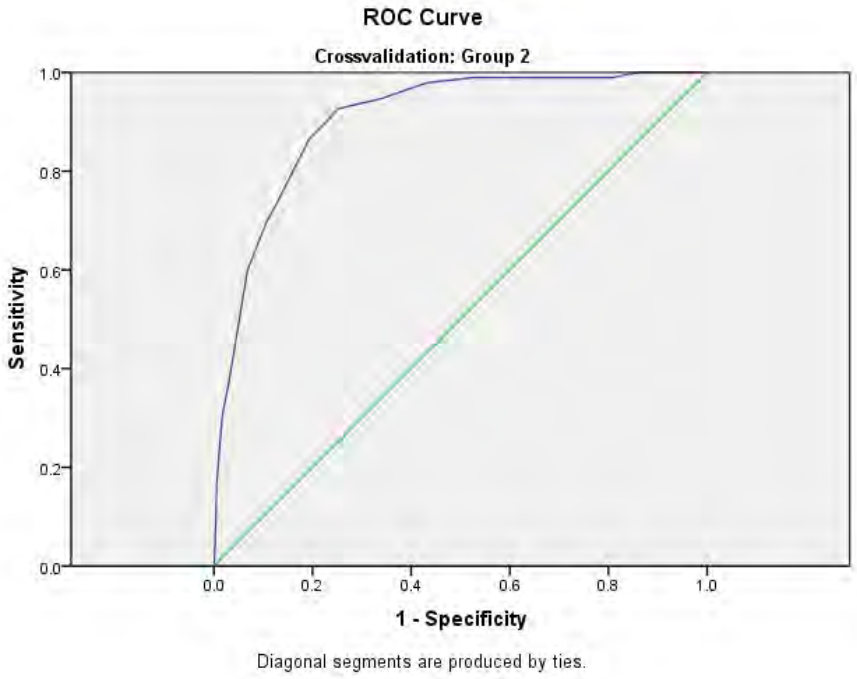
Area Under the Curve[c,d]

Test Result Variable(s):Fall09Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.894	.014	.000	.866	.921
Group 2	.905	.014	.000	.878	.933

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.000	.998	.000	.999
2.00	.000	.995	-	-
3.50	.010	.995	.021	.999
4.50	.029	.995	.042	.998
5.50	.086	.994	.074	.997
6.50	.133	.991	.168	.994
7.50	.248	.978	.305	.983
8.50	.324	.971	.368	.970
9.50	.467	.951	.463	.955
10.50	.590	.919	.600	.932
11.50	.714	.882	.695	.894
12.50	**.800**	**.838**	.747	.866
13.50	.867	.769	**.863**	**.808**
14.50	.924	.699	.926	.749
15.50	.943	.621	.947	.660
16.50	.971	.537	.979	.568
17.50	.981	.454	.989	.476
18.50	.990	.369	.989	.383
19.50	1.000	.276	.989	.285
20.50	1.000	.198	.989	.193
21.50	1.000	.118	1.000	.140
22.50	1.000	.058	1.000	.072
23.50	1.000	.032	1.000	.027
24.50	1.000	.008	1.000	.010
26.00	1.000	.000	1.000	.000

Grade 4
Winter PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	112
	Negative	972
	Missing	786
Group 2	Positive[a]	106
	Negative	973
	Missing	791

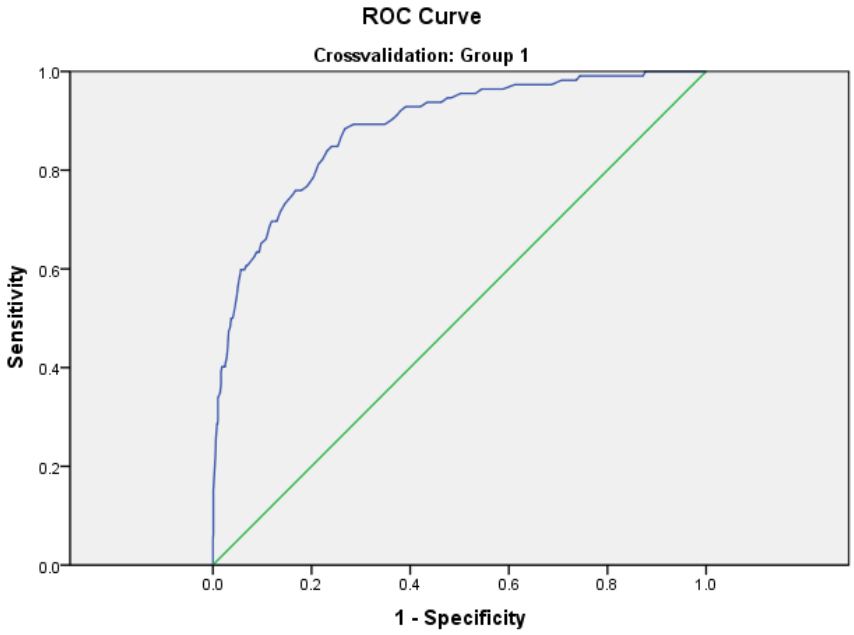
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group.

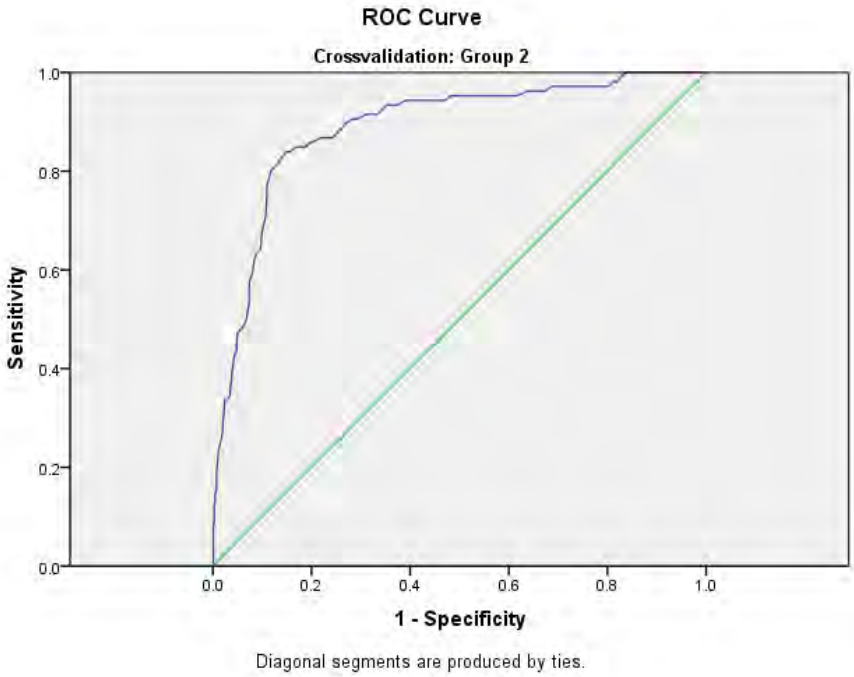
Area Under the Curve[c,d]

Test Result Variable(s):Wint10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.884	.017	.000	.851	.917
Group 2	.889	.017	.000	.855	.923

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
5.00	.000	1.000	-	-
12.00	-	-	.000	1.000
13.50	-	-	.000	.999
14.50	-	-	.009	.999
15.50	.009	1.000	-	-
23.00	-	-	.019	.999
28.00	.018	1.000	-	-
32.00	-	-	.028	.999
34.00	-	-	.038	.999
35.50	.027	1.000	-	-
36.00	-	-	.047	.999
38.00	-	-	.057	.999
40.00	-	-	.075	.999
40.50	.036	1.000	-	-
41.50	-	-	.085	.999
42.00	.045	1.000	-	-
44.00	.054	1.000	.085	.998
47.50	.063	.999	.104	.997
49.50	-	-	.113	.997
50.50	.080	.999	.123	.997
52.00	.098	.999	-	-
52.50	-	-	.132	.996
53.50	.107	.999	-	-
54.50	.134	.999	-	-
55.50	.143	.999	.142	.996
56.50	.152	.999	-	-
57.50	.170	.998	-	-
58.00	-	-	.151	.995
58.50	.188	.997	-	-
59.50	-	-	.151	.993
60.00	.223	.995	-	-
60.50	-	-	.160	.993
61.50	.259	.994	.170	.993
62.50	-	-	.189	.993
63.00	.286	.992	-	-
63.50	-	-	.208	.991
64.50	.286	.991	.236	.989

Grade 4
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
65.50	.295	.990	.264	.982
66.50	.330	.990	-	-
67.00	-	-	.274	.980
67.50	.339	.990	-	-
68.50	.348	.986	.292	.979
69.50	.366	.984	.311	.977
70.50	.375	.984	.330	.976
71.50	.393	.984	.340	.976
73.00	.402	.981	.340	.972
74.50	.402	.980	.340	.969
75.50	.402	.978	.340	.968
76.50	.402	.975	.349	.965
77.50	.411	.974	.368	.964
78.50	.420	.972	.368	.963
79.50	.438	.970	.387	.962
80.50	.473	.968	.425	.957
81.50	.482	.965	.434	.955
82.50	.500	.963	.434	.953
83.50	.500	.960	.434	.952
84.50	.509	.958	.453	.952
85.50	.527	.955	-	-
86.00	-	-	.472	.951
86.50	.545	.952	-	-
87.50	.554	.951	.472	.948
88.50	.563	.950	.481	.945
89.50	.598	.943	.481	.940
90.50	.598	.936	.491	.937
91.50	.607	.932	.491	.935
92.50	.607	.930	.500	.932
93.50	.616	.923	.528	.927
94.50	.625	.916	.575	.926
95.50	.634	.912	.594	.920
96.50	.634	.906	.623	.916
97.50	.652	.902	.632	.913
98.50	.661	.892	.642	.903
99.50	.688	.885	.679	.900
100.50	.696	.881	.698	.895

Grade 4
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
101.50	.696	.877	.717	.892
102.50	.696	.870	.774	.890
103.50	.714	.864	.802	.882
104.50	.732	.854	.811	.874
105.50	.750	.838	.821	.865
106.50	.759	.832	.830	.858
107.50	.759	.829	.840	.852
108.50	.759	.821	.840	.843
109.50	.768	.809	.849	.831
110.50	.786	.796	.849	.823
111.50	.813	.786	.849	.813
112.50	.821	.778	.849	.811
113.50	.839	.769	.858	.804
114.50	.848	.759	.858	.798
115.50	.848	.747	.868	.781
116.50	.866	.741	.868	.776
117.50	.884	.733	.868	.767
118.50	**.893**	**.715**	.868	.757
119.50	.893	.698	.877	.747
120.50	.893	.684	**.896**	**.732**
121.50	.893	.673	.906	.716
122.50	.893	.667	.906	.706
123.50	.893	.651	.915	.691
124.50	.902	.638	.915	.676
125.50	.911	.628	.915	.667
126.50	.920	.620	.925	.659
127.50	.929	.609	.934	.647
128.50	.929	.601	.934	.636
129.50	.929	.593	.934	.626
130.50	.929	.579	.943	.610
131.50	.938	.566	.943	.599
132.50	.938	.556	.943	.585
133.50	.938	.548	.943	.577
134.50	.938	.537	.943	.562
135.50	.946	.525	.943	.547
136.50	.946	.517	.943	.528
137.50	.955	.498	.953	.518

Grade 4
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
138.50	.955	.474	.953	.494
139.50	.955	.468	.953	.489
140.50	.964	.455	.953	.482
141.50	.964	.444	.953	.466
142.50	.964	.440	.953	.462
143.50	.964	.426	.953	.446
144.50	.964	.412	.953	.432
145.50	.973	.389	.953	.411
146.50	.973	.381	.953	.401
147.50	.973	.377	.953	.392
148.50	.973	.370	.953	.382
149.50	.973	.348	.962	.363
150.50	.973	.345	.962	.353
151.50	.973	.328	.962	.345
152.50	.973	.318	.962	.337
153.50	.973	.314	.962	.325
154.50	.982	.293	.972	.313
155.50	.982	.281	.972	.305
156.50	.982	.271	.972	.293
157.50	.982	.263	.972	.286
158.50	.991	.256	.972	.273
159.50	.991	.249	.972	.262
160.50	.991	.246	.972	.257
161.50	.991	.239	.972	.251
162.50	.991	.236	.972	.238
163.50	.991	.221	.972	.228
164.50	.991	.201	.972	.209
165.50	.991	.192	.972	.203
166.50	.991	.186	.972	.196
167.50	.991	.176	.981	.191
168.50	.991	.160	.981	.180
169.50	.991	.155	.991	.175
170.50	.991	.147	1.000	.163
171.50	.991	.143	1.000	.153
172.50	.991	.137	1.000	.147
173.50	.991	.132	1.000	.146
174.50	.991	.128	1.000	.140

Grade 4
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
175.50	1.000	.123	1.000	.132
176.50	1.000	.116	1.000	.126
178.00	1.000	.111	1.000	.122
179.50	1.000	.107	1.000	.117
180.50	1.000	.101	1.000	.115
181.50	1.000	.091	1.000	.112
182.50	1.000	.085	1.000	.101
183.50	1.000	.082	1.000	.099
184.50	1.000	.080	1.000	.092
185.50	1.000	.073	1.000	.088
186.50	1.000	.068	1.000	.083
187.50	1.000	.063	1.000	.081
188.50	1.000	.061	1.000	.078
189.50	1.000	.060	-	-
190.00	-	-	1.000	.076
190.50	1.000	.057	-	-
191.50	1.000	.056	1.000	.074
192.50	1.000	.052	1.000	.069
193.50	1.000	.050	1.000	.066
194.50	1.000	.049	1.000	.060
195.50	1.000	.046	1.000	.050
196.50	1.000	.045	1.000	.049
197.50	-	-	1.000	.047
198.00	1.000	.044	-	-
198.50	-	-	1.000	.045
199.50	1.000	.042	1.000	.044
200.50	1.000	.038	1.000	.043
201.50	1.000	.035	1.000	.038
202.50	1.000	.034	1.000	.037
203.50	1.000	.032	1.000	.036
204.50	1.000	.030	1.000	.033
205.50	1.000	.028	1.000	.031
206.50	1.000	.026	1.000	.029
208.00	1.000	.025	-	-
209.50	1.000	.023	1.000	.028
212.50	1.000	.022	1.000	.027
213.50	-	-	1.000	.024

Grade 4
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
215.50	1.000	.020	1.000	.023
217.00	1.000	.019	1.000	.022
218.50	-	-	1.000	.021
219.00	1.000	.017	-	-
223.00	1.000	.016	1.000	.020
226.50	1.000	.015	-	-
227.50	1.000	.014	1.000	.017
228.50	1.000	.012	-	-
230.00	-	-	1.000	.016
230.50	1.000	.011	-	-
232.50	1.000		1.000	.015
234.50	-	-	1.000	.013
235.50	1.000	.009	-	-
236.50	-	-	1.000	.010
238.50	-	-	1.000	.008
240.00	1.000	.007	-	-
242.00	-	-	1.000	.007
244.50	1.000	.006	1.000	.006
247.00	-	-	1.000	.005
248.00	1.000	.005	-	-
249.50	-	-	1.000	.004
250.50	1.000	.004	-	-
252.00	-	-	1.000	.003
252.50	1.000	.003	-	-
254.00	1.000	.002	-	-
254.50	-	-	1.000	.002
262.00	1.000	.001	1.000	.001
270.00	1.000	.000	1.000	.000

Grade 4
Winter MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	122
	Negative	1027
	Missing	721
Group 2	Positive[a]	122
	Negative	1017
	Missing	731

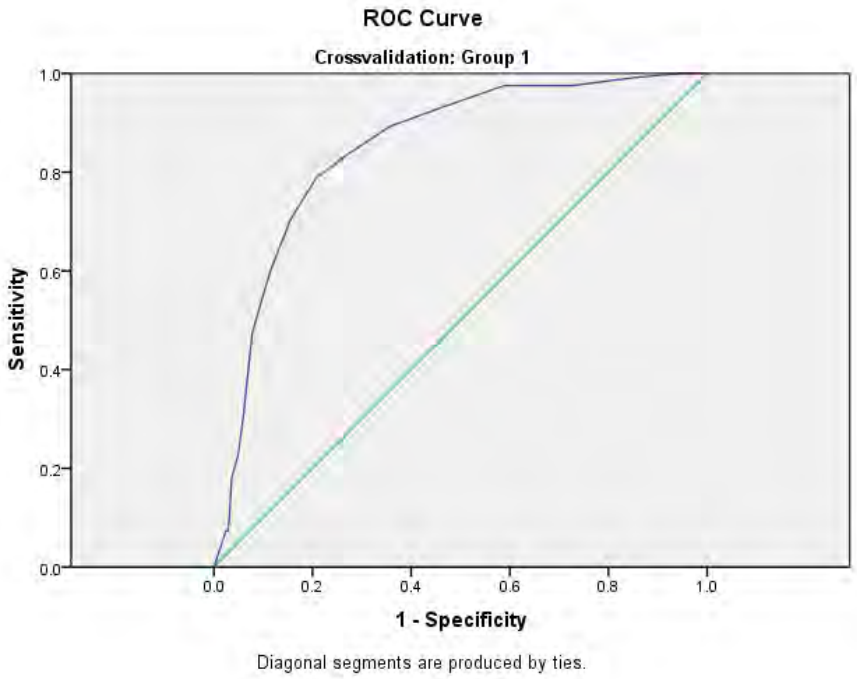
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group.

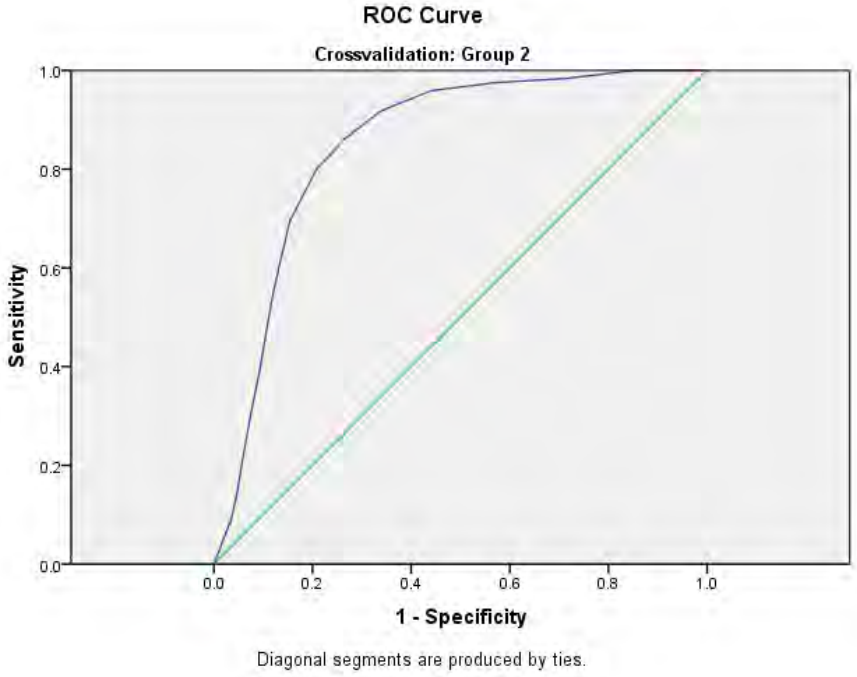
Area Under the Curve[c,d]

Test Result Variable(s):Wint10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.848	.017	.000	.815	.881
Group 2	.849	.015	.000	.820	.879

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.074	.976	.082	.969
1.50	.074	.975	.082	.967
2.50	.074	.974	.090	.966
3.50	.074	.971	.090	.965
4.50	.098	.969	.115	.960
5.50	.180	.964	.139	.954
6.50	.230	.950	.205	.943
7.50	.311	.940	.303	.925
8.50	.475	.922	.385	.909
9.50	.598	.886	.549	.880
10.50	.705	.844	.697	.846
11.50	.787	.794	.803	.790
12.50	**.836**	**.729**	**.861**	**.735**
13.50	.893	.642	.918	.662
14.50	.934	.529	.959	.559
15.50	.975	.411	.975	.429
16.50	.975	.274	.984	.286
17.50	.992	.145	1.000	.148
18.50	1.000	.054	1.000	.062
19.50	1.000	.015	1.000	.017
21.00	1.000	.000	1.000	.000

Grade 4
Spring PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	117
	Negative	980
	Missing	773
Group 2	Positive[a]	113
	Negative	984
	Missing	773

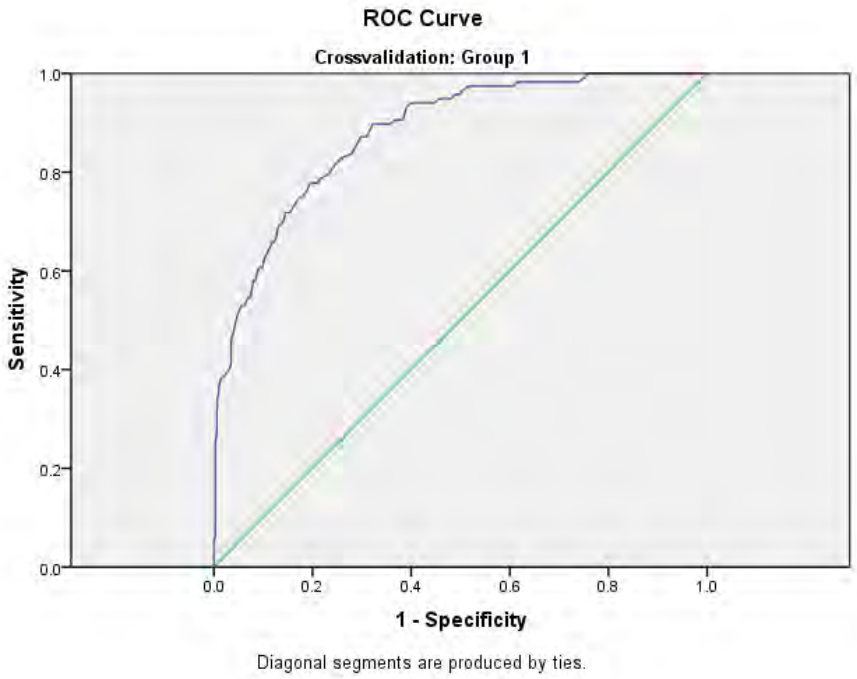
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group.

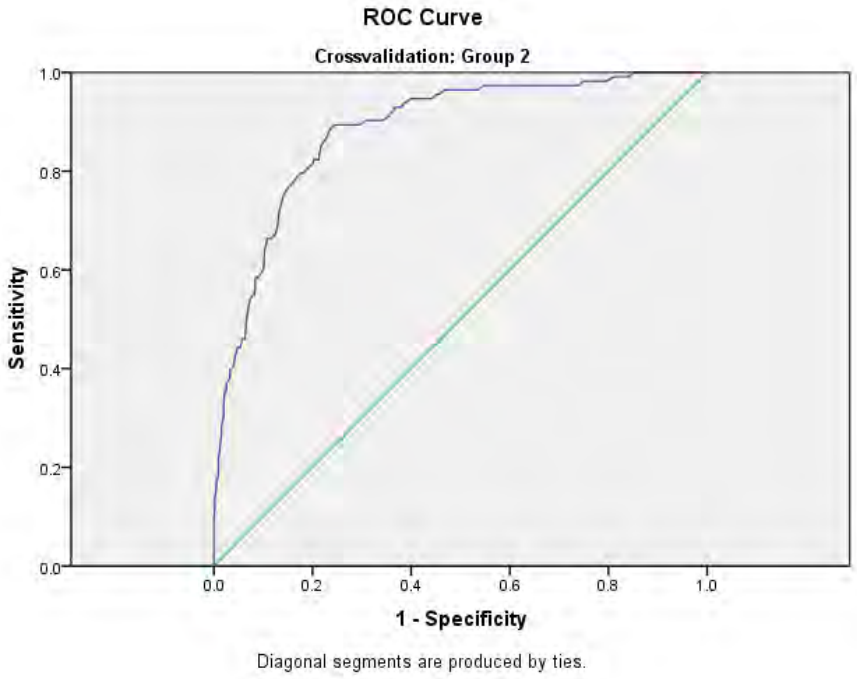
Area Under the Curve[c,d]

Test Result Variable(s):Spr10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.879	.016	.000	.849	.910
Group 2	.883	.016	.000	.852	.915

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
3.00	.000	1.000	-	-
13.00	.009	1.000	-	-
22.00	-	-	.000	1.000
23.50	-	-	.009	1.000
26.50	.017	1.000	-	-
27.50	-	-	.018	1.000
32.00	.026	1.000	-	-
35.00	-	-	.027	1.000
35.50	.034	1.000	-	-
39.00	.043	1.000	-	-
39.50	-	-	.035	1.000
41.50	-	-	.044	1.000
42.00	.051	1.000	-	-
43.50	-	-	.062	1.000
44.50	.051	.999	-	-
45.00	-	-	.080	1.000
46.00	.060	.999	-	-
46.50	-	-	.088	1.000
47.50	-	-	.097	1.000
48.50	.060	.998	-	-
49.50	-	-	.097	.999
50.50	.060	.997	-	-
51.50	.068	.997	.106	.999
52.50	.077	.997	.115	.999
53.50	.085	.997	.115	.998
54.50	.094	.997	.124	.998
55.50	.111	.997	.133	.998
56.50	.128	.997	.142	.998
57.50	.179	.997	-	-
58.00	-	-	.150	.996
58.50	.188	.997	-	-
59.50	.205	.997	.159	.996
60.50	.214	.997	.159	.995

Grade 4
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
61.50	.239	.997	.177	.995
62.50	.248	.997	.177	.994
63.50	.256	.997	.177	.992
64.50	.256	.996	.186	.991
66.00	.282	.994	.195	.991
67.50	.316	.994	.204	.991
68.50	.325	.993	.221	.991
70.50	.342	.993	.230	.989
72.50	.350	.991	.248	.987
73.50	.368	.990	.265	.985
74.50	.368	.989	.283	.985
75.50	.385	.986	.301	.981
76.50	.385	.984	.336	.980
77.50	.385	.981	.354	.978
78.50	.393	.974	.354	.975
79.50	.402	.968	.372	.975
80.50	.410	.965	.372	.974
81.50	.453	.965	.381	.967
82.50	.470	.963	.389	.967
83.50	.470	.961	.398	.967
84.50	.487	.958	.398	.964
85.50	.496	.956	.407	.959
86.50	.513	.952	.425	.957
87.50	.530	.944	.442	.952
88.50	.530	.940	.442	.948
89.50	.530	.937	.442	.946
90.50	.538	.935	.460	.943
91.50	.547	.929	.460	.941
92.50	.547	.924	.460	.937
93.50	.556	.924	.487	.935
94.50	.581	.919	.513	.932
95.50	.581	.915	.540	.927

Grade 4
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
96.50	.598	.912	.549	.922
97.50	.607	.907	.549	.918
98.50	.607	.901	.584	.916
99.50	.624	.898	.584	.912
100.50	.641	.890	.593	.904
101.50	.658	.882	.602	.899
102.50	.658	.879	.637	.897
103.50	.667	.873	.646	.895
104.50	.684	.871	.664	.892
105.50	.692	.868	.664	.884
106.50	.692	.865	.673	.875
107.50	.701	.859	.690	.871
108.50	.718	.855	.717	.868
109.50	.718	.846	.752	.859
110.50	.744	.831	.770	.848
111.50	.752	.821	.779	.838
112.50	.761	.812	.788	.832
113.50	.778	.805	.796	.822
114.50	.778	.799	.796	.817
115.50	.778	.789	.805	.811
116.50	.786	.785	.814	.800
117.50	.795	.768	.823	.798
118.50	.812	.756	.823	.788
119.50	.829	.741	.850	.784
120.50	.838	.720	.867	.772
121.50	.855	.711	.885	.764
122.50	**.872**	**.702**	**.894**	**.755**
123.50	.872	.699	.894	.747
124.50	.872	.691	.894	.740
125.50	.889	.682	.894	.731
126.50	.897	.678	.894	.718
127.50	.897	.667	.894	.709

Grade 4
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
128.50	.897	.659	.894	.703
129.50	.897	.650	.903	.693
130.50	.897	.642	.903	.678
131.50	.906	.634	.903	.659
132.50	.906	.616	.912	.644
133.50	.932	.610	.929	.633
134.50	.940	.600	.929	.622
135.50	.940	.593	.938	.614
136.50	.940	.586	.947	.600
137.50	.940	.572	.947	.587
138.50	.940	.554	.947	.579
139.50	.940	.552	.947	.573
140.50	.949	.545	.947	.565
141.50	.949	.538	.947	.558
142.50	.949	.529	.956	.549
143.50	.949	.524	.956	.543
144.50	.949	.518	.965	.533
145.50	.957	.511	.965	.522
146.50	.957	.502	.965	.509
147.50	.966	.496	.965	.498
148.50	.974	.485	.965	.486
149.50	.974	.457	.965	.473
150.50	.974	.453	.965	.464
151.50	.974	.446	.973	.453
152.50	.974	.441	.973	.444
153.50	.974	.426	.973	.439
154.50	.974	.423	.973	.434
155.50	.974	.416	.973	.427
156.50	.974	.402	.973	.422
157.50	.974	.392	.973	.413
158.50	.983	.386	.973	.408
159.50	.983	.381	.973	.404
160.50	.983	.374	.973	.395

Grade 4
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
161.50	.983	.361	.973	.383
162.50	.983	.339	.973	.366
163.50	.983	.334	.973	.360
164.50	.983	.329	.973	.351
165.50	.983	.321	.973	.341
166.50	.983	.309	.973	.337
167.50	.983	.304	.973	.327
168.50	.983	.300	.973	.325
169.50	.983	.293	.973	.320
170.50	.983	.282	.973	.312
171.50	.983	.267	.973	.300
172.50	.983	.259	.973	.286
173.50	.991	.248	.973	.265
174.50	1.000	.243	.973	.260
175.50	1.000	.239	.982	.252
176.50	1.000	.235	.982	.245
177.50	1.000	.228	.982	.236
178.50	1.000	.222	.982	.234
179.50	1.000	.211	.982	.226
180.50	1.000	.204	.982	.220
181.50	1.000	.198	.982	.216
182.50	1.000	.195	.982	.214
183.50	1.000	.191	.982	.204
184.50	1.000	.173	.991	.189
185.50	1.000	.171	.991	.186
186.50	1.000	.165	.991	.179
187.50	1.000	.162	.991	.177
188.50	1.000	.156	.991	.167
189.50	1.000	.154	.991	.161
190.50	1.000	.144	.991	.159
191.50	1.000	.142	1.000	.148
192.50	1.000	.135	1.000	.140
193.50	1.000	.126	1.000	.122

Grade 4
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
194.50	1.000	.120	1.000	.118
195.50	1.000	.115	1.000	.115
196.50	1.000	.112	1.000	.113
197.50	1.000	.110	1.000	.110
198.50	1.000	.109	1.000	.106
199.50	1.000	.103	1.000	.093
200.50	1.000	.097	1.000	.091
201.50	-	-	1.000	.090
202.00	1.000	.096	-	-
202.50	-	-	1.000	.087
203.50	1.000	.091	1.000	.085
204.50	1.000	.087	1.000	.082
205.50	1.000	.086	1.000	.079
206.50	1.000	.081	1.000	.075
207.50	1.000	.080	1.000	.074
208.50	1.000	.073	1.000	.071
209.50	1.000	.069	1.000	.067
210.50	1.000	.060	1.000	.059
211.50	1.000	.057	1.000	.055
212.50	1.000	.053	1.000	.051
213.50	1.000	.043	1.000	.043
214.50	1.000	.040	1.000	.039
215.50	1.000	.036	-	-
217.00	1.000	.035	1.000	.037
218.50	1.000	.034	-	-
219.50	1.000	.031	1.000	.036
220.50	1.000	.028	1.000	.034
221.50	1.000	.027	1.000	.033
222.50	1.000	.024	1.000	.032
223.50	1.000	.023	-	-
224.00	-	-	1.000	.028
224.50	1.000	.020	-	-
226.00	-	-	1.000	.026

Grade 4
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
227.00	1.000	.018	-	-
227.50	-	-	1.000	.025
228.50	-	-	1.000	.023
230.50	-	-	1.000	.021
232.00	1.000	.016	-	-
232.50	-	-	1.000	.020
233.50	-	-	1.000	.018
236.00	-	-	1.000	.017
238.50	-	-	1.000	.016
239.00	1.000	.015	-	-
240.50	-	-	1.000	.015
242.50	-	-	1.000	.014
243.50	1.000	.014	1.000	.012
246.00	1.000	.013	-	-
248.00	-	-	1.000	.010
248.50	1.000	.010	-	-
249.50	1.000	.009	-	-
250.50	1.000	.008	-	-
252.50	1.000	.007	-	-
253.50	-	-	1.000	.009
254.50	1.000	.006	-	-
255.50	1.000	.005	1.000	.007
257.00	1.000	.002	1.000	.004
264.00	-	-	1.000	.003
272.50	-	-	1.000	.002
299.00	1.000	.001	-	-
292.50	-	-	1.000	.001
311.00	-	-	1.000	.000
341.00	1.000	.000	-	-

Grade 4
Spring MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	122
	Negative	1023
	Missing	725
Group 2	Positive[a]	119
	Negative	1040
	Missing	711

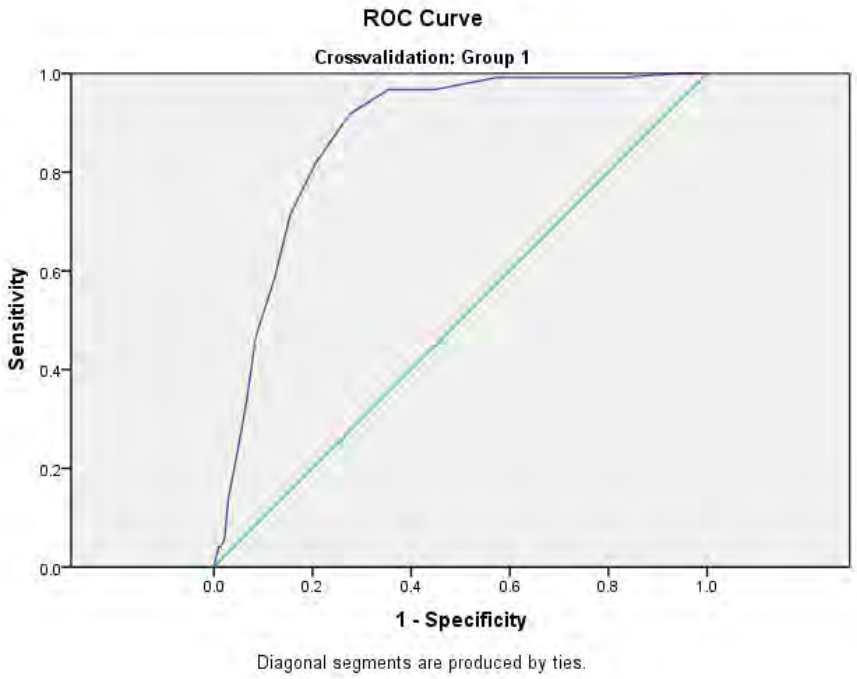
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group.

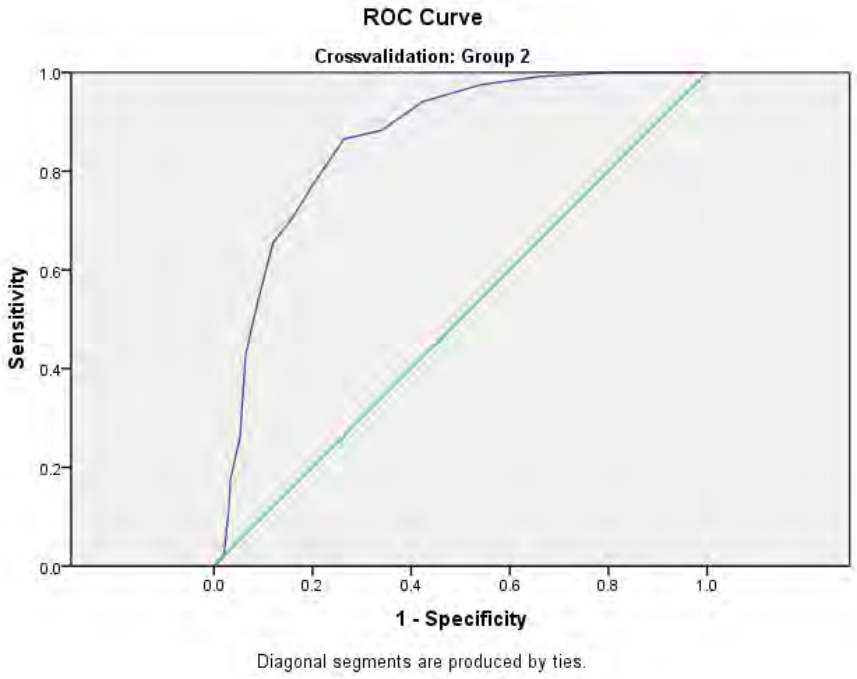
Area Under the Curve[c,d]

Test Result Variable(s):Spr10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.870	.013	.000	.844	.896
Group 2	.861	.015	.000	.832	.890

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.041	.990	.017	.984
1.50	.041	.988	.025	.979
2.50	.041	.986	.042	.978
3.50	.049	.981	.067	.975
4.50	.057	.978	.109	.970
5.50	.139	.971	.176	.966
6.50	.230	.953	.261	.947
7.50	.336	.934	.429	.936
8.50	.467	.915	.538	.911
9.50	.582	.878	.655	.880
10.50	.713	.846	.706	.840
11.50	**.820**	**.793**	.773	.799
12.50	.918	.724	**.866**	**.736**
13.50	.967	.646	.882	.661
14.50	.967	.553	.941	.576
15.50	.992	.427	.975	.460
16.50	.992	.315	.992	.340
17.50	.992	.174	1.000	.189
18.50	1.000	.057	1.000	.069
19.50	1.000	.013	1.000	.013
21.00	1.000	.000	1.000	.000

Grade 4
Spring VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	113
	Negative	928
	Missing	829
Group 2	Positive[a]	106
	Negative	934
	Missing	830

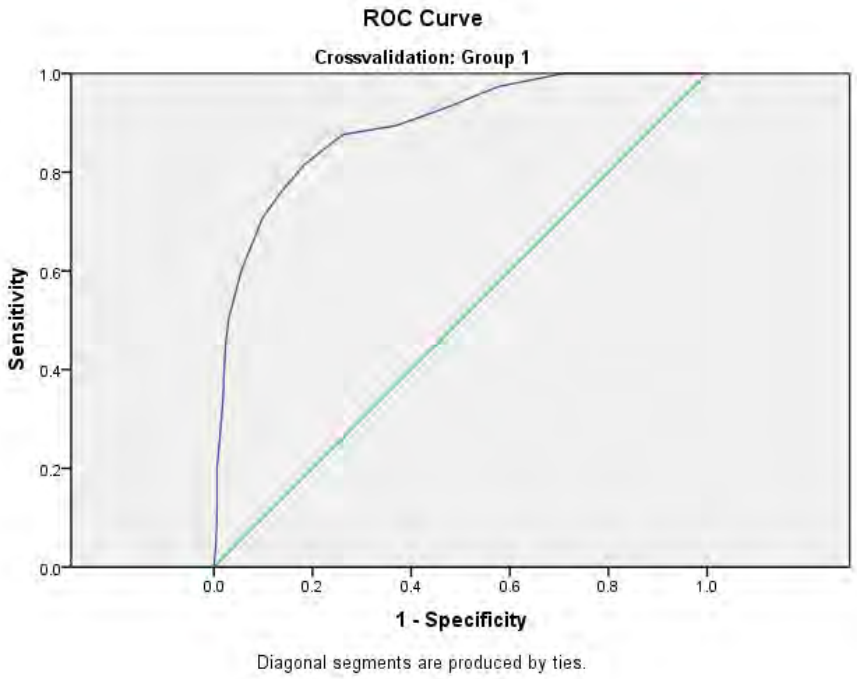
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group.

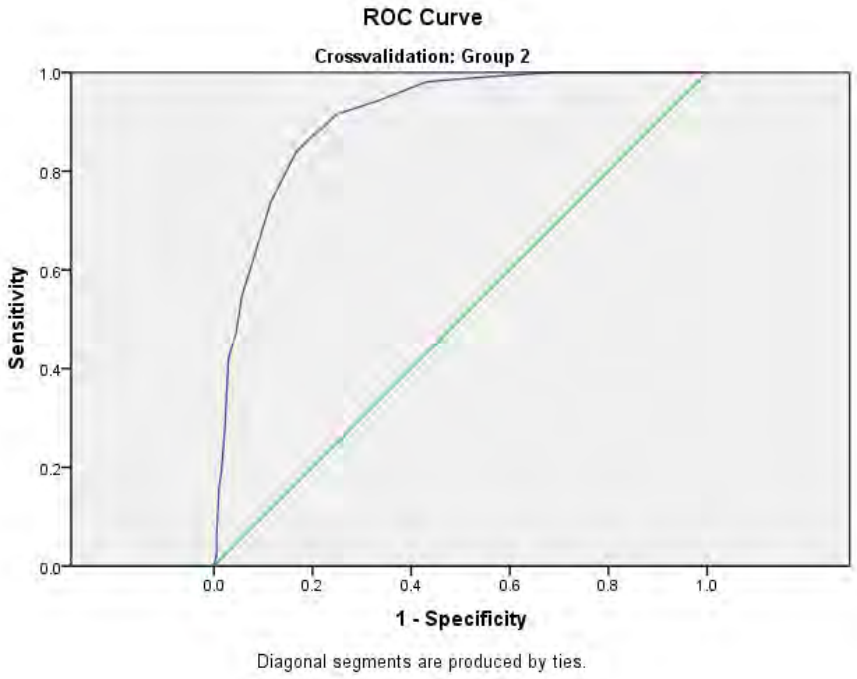
Area Under the Curve[c,d]

Test Result Variable(s):Spr10Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.892	.016	.000	.861	.923
Group 2	.908	.012	.000	.884	.932

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 4
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	.027	.998	.019	.996
3.50	.035	.997	-	-
4.00	-	-	.019	.995
5.50	.053	.996	.038	.995
6.50	.080	.995	.057	.995
7.50	.124	.994	.104	.993
8.50	.204	.994	.160	.989
9.50	.248	.989	.189	.985
10.50	.336	.982	.283	.978
11.50	.389	.980	.349	.974
12.50	.451	.976	.425	.970
13.50	.504	.970	.472	.955
14.50	.602	.944	.547	.943
15.50	.708	.901	.623	.920
16.50	.752	.870	.736	.885
17.50	**.814**	**.818**	**.840**	**.833**
18.50	.876	.739	.915	.752
19.50	.894	.633	.943	.665
20.50	.929	.532	.981	.569
21.50	.973	.423	.991	.453
22.50	1.000	.291	1.000	.315
23.50	1.000	.171	1.000	.177
24.50	1.000	.066	1.000	.058
26.00	1.000	.000	1.000	.000

Grade 5
Fall PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	188
	Negative	982
	Missing	755
Group 2	Positive[a]	203
	Negative	958
	Missing	765

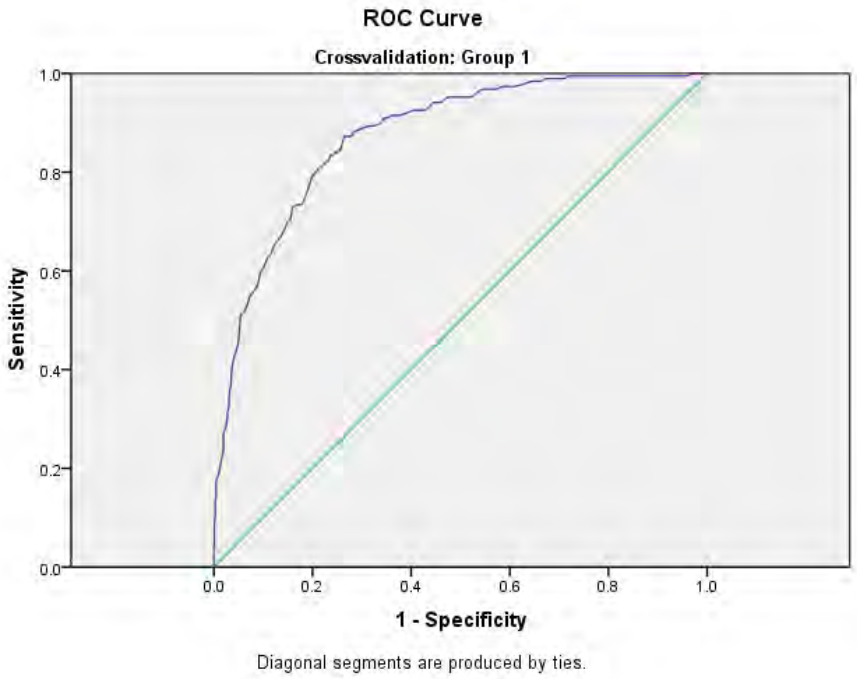
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group.

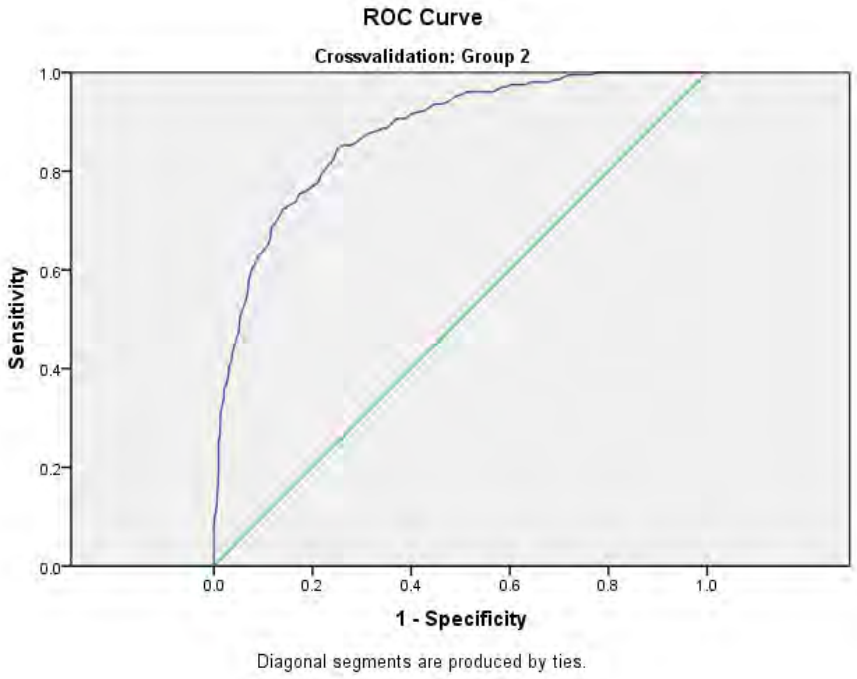
Area Under the Curve[c,d]

Test Result Variable(s):Fall09PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.874	.013	.000	.848	.900
Group 2	.877	.013	.000	.852	.902

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
11.00	.000	1.000	-	-
17.00	.005	1.000	-	-
21.00	-	-	.000	1.000
23.50	-	-	.005	1.000
25.50	-	-	.010	1.000
27.50	.011	1.000	.015	1.000
32.50	-	-	.020	1.000
33.50	.016	1.000	-	-
34.50	.021	1.000	-	-
35.50	.027	1.000	-	-
38.50	.032	1.000	.025	1.000
41.50	-	-	.030	1.000
42.50	.037	1.000	.034	1.000
43.50	-	-	.039	1.000
44.50	-	-	.044	1.000
45.00	.043	1.000	-	-
47.00	-	-	.049	1.000
48.00	.043	.999	-	-
50.00	-	-	.054	1.000
50.50	.048	.999	-	-
51.50	.053	.999	-	-
52.50	-	-	.059	1.000
53.00	.059	.999	-	-
54.50	.069	.999	.064	1.000
55.50	.074	.999	.074	1.000
56.50	-	-	.079	1.000
58.00	.085	.999	-	-
59.00	-	-	.084	1.000
61.50	.090	.999	.089	.999
62.50	-	-	.099	.999
63.50	-	-	.099	.998
64.00	.096	.998	-	-
64.50	-	-	.103	.998
65.50	.101	.998	-	-
66.50	.106	.997	.108	.996
67.50	.117	.997	-	-
69.00	.128	.997	.118	.996

Grade 5
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
70.50	.133	.997	.118	.995
71.50	.144	.996	.128	.994
72.50	-	-	.133	.994
73.00	.154	.996	-	-
73.50	-	-	.138	.994
74.50	-	-	.153	.993
75.00	.165	.996	-	-
75.50	-	-	.167	.992
76.50	.176	.996	.172	.992
77.50	-	-	.177	.992
78.00	.181	.993	-	-
78.50	-	-	.192	.991
79.50	.186	.991	.202	.991
80.50	.202	.988	.207	.991
81.50	.207	.987	.232	.991
82.50	.213	.986	.251	.991
83.50	.223	.984	.261	.989
84.50	.234	.981	.276	.987
85.50	.255	.981	.310	.986
86.50	.271	.981	-	-
87.50	.277	.979	.335	.981
88.50	.282	.976	-	-
89.50	.298	.974	.335	.980
90.50	.303	.973	.360	.979
91.50	-	-	.365	.978
92.00	.314	.973	-	-
92.50	-	-	.365	.975
93.50	.319	.970	.374	.974
94.50	.335	.969	.384	.971
95.50	.346	.969	.399	.970
96.50	.362	.967	.404	.970
97.50	.367	.965	.409	.968
98.50	.372	.965	.414	.965
99.50	.394	.964	.429	.963
100.50	.410	.962	.448	.958
101.50	.426	.959	.458	.955
102.50	.436	.955	.473	.950

Grade 5
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
103.50	.457	.950	.507	.947
104.50	.511	.946	.522	.941
105.50	.516	.939	.542	.934
106.50	.532	.932	.557	.931
107.50	.548	.928	.571	.930
108.50	.559	.920	.581	.929
109.50	.564	.915	.596	.925
110.50	.569	.912	.606	.922
111.50	.574	.910	.606	.919
112.50	.596	.906	.621	.913
113.50	.601	.903	.631	.909
114.50	.606	.899	.635	.903
115.50	.628	.891	.650	.890
116.50	.633	.885	.665	.885
117.50	.654	.877	.685	.884
118.50	.670	.864	.700	.873
119.50	.702	.849	.724	.859
120.50	.702	.847	.724	.854
121.50	.702	.845	.729	.851
122.50	.713	.843	.734	.840
123.50	.729	.841	.739	.834
124.50	.734	.832	.754	.827
125.50	.734	.822	.759	.815
126.50	.755	.813	.764	.808
127.50	.793	.800	.778	.788
128.50	.809	.787	.793	.783
129.50	.824	.767	.808	.771
130.50	.835	.764	.813	.767
131.50	.835	.761	.818	.761
132.50	.840	.751	.847	.748
133.50	.846	.743	.852	.739
134.50	.872	.735	.852	.731
135.50	.872	.722	.852	.722
136.50	**.883**	**.714**	.857	.713
137.50	.888	.701	**.867**	**.700**
138.50	.894	.687	.877	.687
139.50	.894	.673	.882	.668

Grade 5
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
140.50	.899	.662	.887	.660
141.50	.910	.656	.887	.650
142.50	.910	.647	.897	.639
143.50	.915	.642	.906	.629
144.50	.915	.625	.906	.624
145.50	.920	.608	.906	.612
146.50	.926	.595	.916	.600
147.50	.926	.577	.921	.580
148.50	.926	.570	.921	.575
149.50	.941	.555	.931	.561
150.50	.941	.548	.936	.553
151.50	.941	.539	.936	.538
152.50	.952	.526	.941	.525
153.50	.952	.515	.951	.511
154.50	.952	.504	.956	.497
155.50	.952	.491	.961	.489
156.50	.952	.478	.961	.470
157.50	.968	.457	.961	.454
158.50	.968	.448	.961	.447
159.50	.968	.434	.961	.442
160.50	.968	.426	.961	.434
161.50	.973	.416	.966	.425
162.50	.973	.408	.970	.415
163.50	.973	.402	.970	.408
164.50	.973	.390	.975	.399
165.50	.979	.371	.975	.387
166.50	.984	.356	.975	.375
167.50	.984	.347	.975	.366
168.50	.984	.336	.980	.360
169.50	.989	.329	.980	.352
170.50	.989	.322	.980	.350
171.50	.989	.313	.980	.344
172.50	.989	.304	.980	.335
173.50	.989	.296	.980	.326
174.50	.989	.295	.980	.320
175.50	.989	.288	.985	.311
176.50	.995	.283	.985	.306

Grade 5
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
177.50	.995	.278	.985	.304
178.50	.995	.271	.985	.300
179.50	.995	.264	.990	.292
180.50	.995	.254	.995	.281
181.50	.995	.246	.995	.271
182.50	.995	.240	.995	.265
183.50	.995	.233	.995	.255
184.50	.995	.226	.995	.251
185.50	.995	.213	.995	.246
186.50	.995	.202	.995	.237
187.50	.995	.188	1.000	.221
188.50	.995	.179	1.000	.214
189.50	.995	.174	1.000	.210
190.50	.995	.170	1.000	.208
191.50	.995	.166	1.000	.205
192.50	.995	.163	1.000	.198
193.50	.995	.153	1.000	.194
194.50	.995	.145	1.000	.186
195.50	-	-	1.000	.174
196.00	.995	.135	-	-
196.50	-	-	1.000	.172
197.50	.995	.129	1.000	.169
198.50	.995	.126	1.000	.167
199.50	-	-	1.000	.163
200.00	.995	.124	-	-
200.50	-	-	1.000	.161
201.50	.995	.119	1.000	.159
202.50	.995	.118	1.000	.153
203.50	-	-	1.000	.148
204.00	.995	.115	-	-
204.50	-	-	1.000	.143
205.50	.995	.113	1.000	.141
206.50	.995	.106	1.000	.133
207.50	.995	.097	1.000	.118
208.50	.995	.092	1.000	.116
209.50	.995	.088	1.000	.110
210.50	.995	.080	1.000	.095

Grade 5
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
211.50	.995	.074	1.000	.084
212.50	.995	.060	-	-
213.00	-	-	1.000	.074
213.50	.995	.058	-	-
214.50	.995	.056	1.000	.073
215.50	.995	.055	-	-
216.50	.995	.052	1.000	.069
217.50	.995	.051	-	-
218.50	.995	.049	1.000	.066
219.50	.995	.048	1.000	.063
220.50	.995	.046	1.000	.058
221.50	.995	.042	1.000	.057
222.50	.995	.039	1.000	.055
223.50	.995	.038	1.000	.051
224.50	1.000	.033	1.000	.049
225.50	1.000	.030	1.000	.048
226.50	-	-	1.000	.046
227.50	-	-	1.000	.044
228.50	1.000	.029	-	-
229.00	-	-	1.000	.041
230.50	-	-	1.000	.039
231.50	1.000	.027	1.000	.037
232.50	1.000	.025	1.000	.032
233.50	1.000	.021	-	-
234.00	-	-	1.000	.029
235.00	1.000	.020	-	-
235.50	-	-	1.000	.028
236.50	-	-	1.000	.026
237.50	-	-	1.000	.024
238.00	1.000	.019	-	-
239.00	-	-	1.000	.023
240.50	1.000	.018	1.000	.021
242.00	-	-	1.000	.019
242.50	1.000	.015	-	-
243.50	-	-	1.000	.018
245.00	-	-	1.000	.017
246.50	1.000	.014	-	-

Grade 5
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
247.50	-	-	1.000	.016
249.50	1.000	.012	1.000	.015
250.50	1.000	.011	1.000	.013
251.50	1.000	.008	1.000	.009
253.00	1.000	.005	1.000	.005
256.00	-	-	1.000	.004
256.50	1.000	.004	-	-
259.00	-	-	1.000	.003
264.00	1.000	.003	-	-
270.50	-	-	1.000	.002
282.00	1.000	.002	-	-
284.00	-	-	1.000	.001
288.00	-	-	1.000	.000
298.00	1.000	.001	-	-
302.00	1.000	.000	-	-

Grade 5
Fall MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	198
	Negative	1011
	Missing	716
Group 2	Positive[a]	205
	Negative	996
	Missing	725

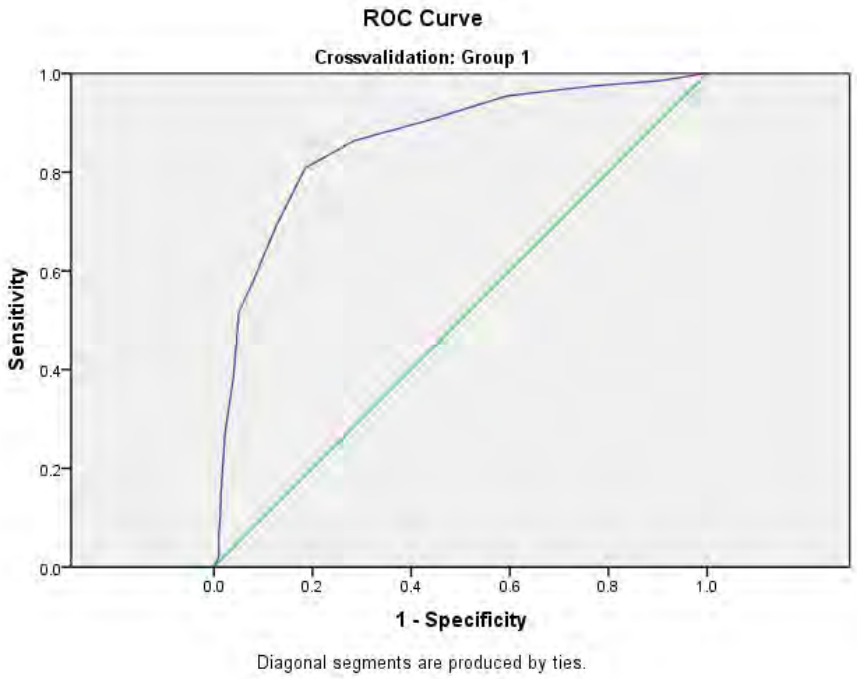
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group.

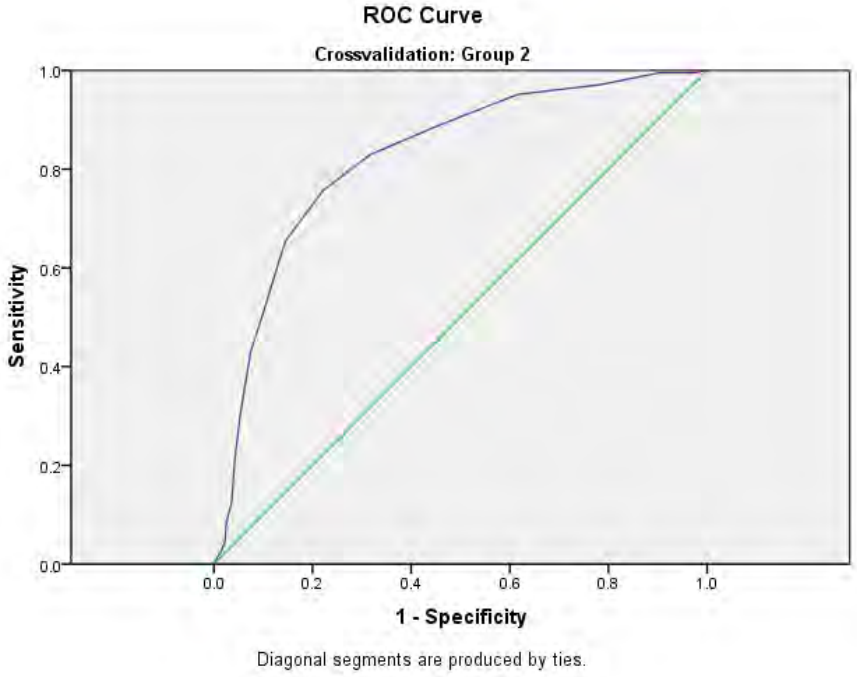
Area Under the Curve[c,d]

Test Result Variable(s):Fall09MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.863	.015	.000	.834	.892
Group 2	.823	.016	.000	.792	.854

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.029	.984
1.00	.020	.990	-	-
2.00	-	-	.029	.983
2.50	.035	.990	-	-
3.50	.045	.990	.034	.982
4.50	.066	.990	.044	.978
5.50	.106	.987	.083	.975
6.50	.157	.985	.127	.964
7.50	.273	.977	.210	.958
8.50	.384	.960	.302	.947
9.50	.515	.950	.429	.926
10.50	.581	.920	.507	.901
11.50	.692	.873	.654	.855
12.50	**.808**	**.815**	**.756**	**.779**
13.50	.864	.716	.829	.684
14.50	.904	.569	.888	.546
15.50	.955	.406	.951	.385
16.50	.975	.230	.971	.219
17.50	.985	.099	.995	.097
18.50	.995	.034	.995	.027
19.50	1.000	.005	1.000	.002
21.00	1.000	.000	1.000	.000

Grade 5
Fall VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	169
	Negative	904
	Missing	852
Group 2	Positive[a]	183
	Negative	884
	Missing	859

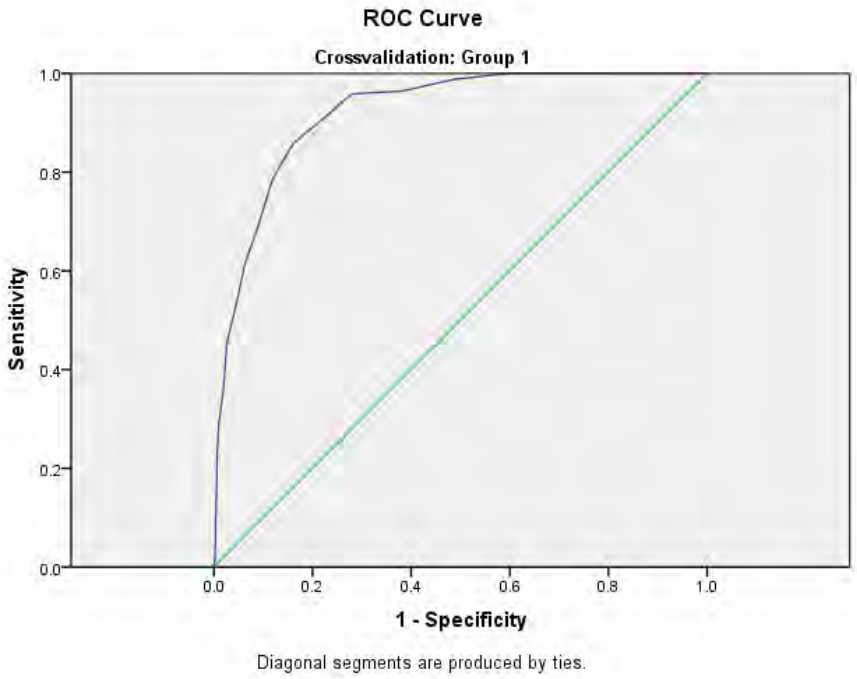
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group.

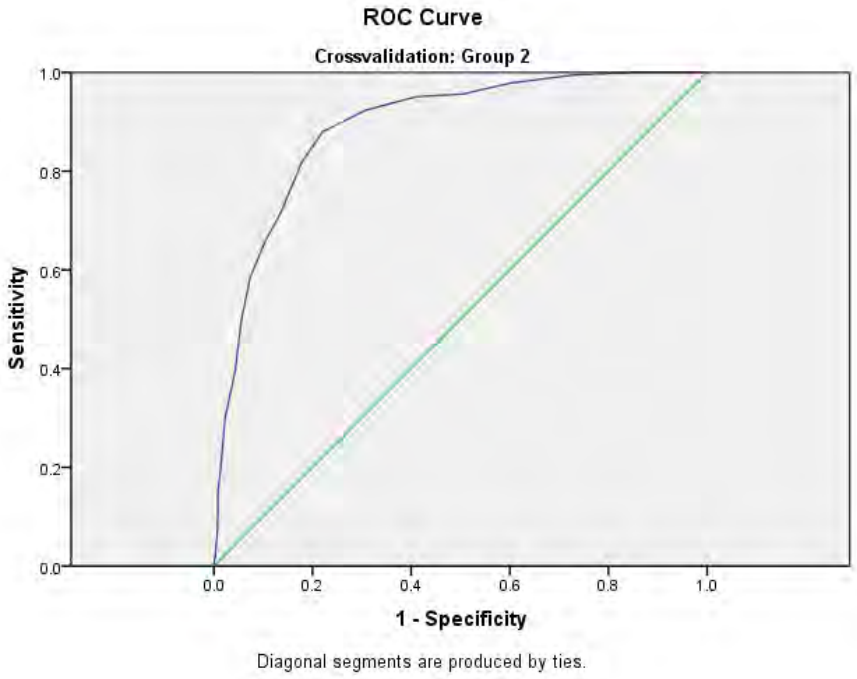
Area Under the Curve[c,d]

Test Result Variable(s):Fall09Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.921	.010	.000	.903	.940
Group 2	.890	.012	.000	.866	.914

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.012	.999	.016	.999
2.00	.012	.998	.016	.997
3.50	.018	.998	.022	.997
4.50	.030	.998	.027	.997
5.50	.047	.997	.033	.997
6.50	.095	.997	.066	.993
7.50	.160	.994	.104	.992
8.50	.231	.993	.148	.992
9.50	.290	.990	.197	.986
10.50	.355	.981	.301	.977
11.50	.456	.973	.393	.957
12.50	.533	.955	.497	.945
13.50	.615	.937	.585	.926
14.50	.680	.914	.656	.897
15.50	.787	.881	.716	.864
16.50	**.858**	**.840**	**.820**	**.821**
17.50	.905	.782	.880	.779
18.50	.959	.720	.923	.692
19.50	.964	.617	.951	.590
20.50	.988	.513	.956	.494
21.50	1.000	.400	.978	.400
22.50	1.000	.265	.995	.274
23.50	1.000	.119	1.000	.148
24.50	1.000	.001	1.000	.001
26.00	1.000	.000	1.000	.000

Grade 5
Winter PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	179
	Negative	963
	Missing	783
Group 2	Positive[a]	190
	Negative	937
	Missing	799

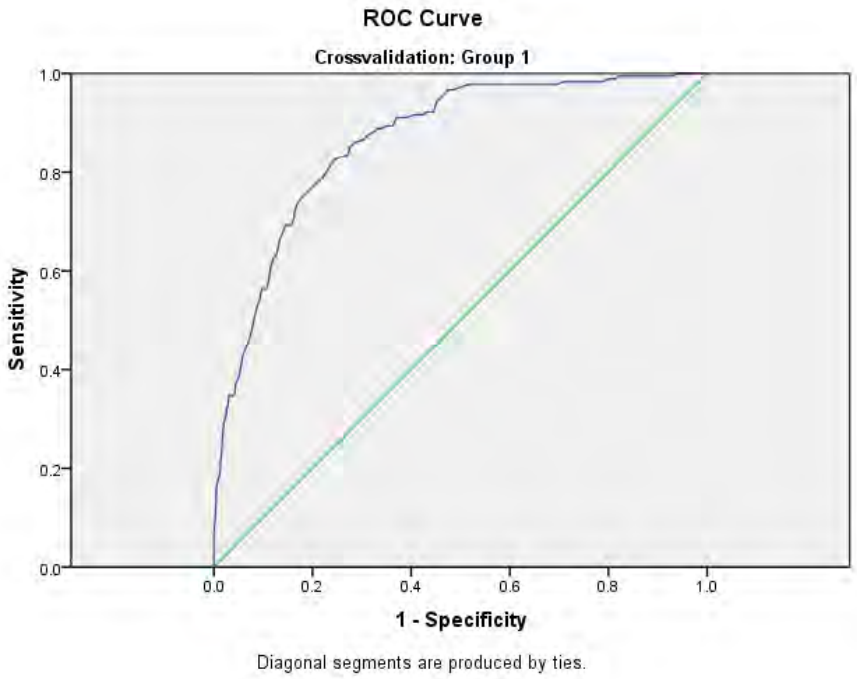
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group.

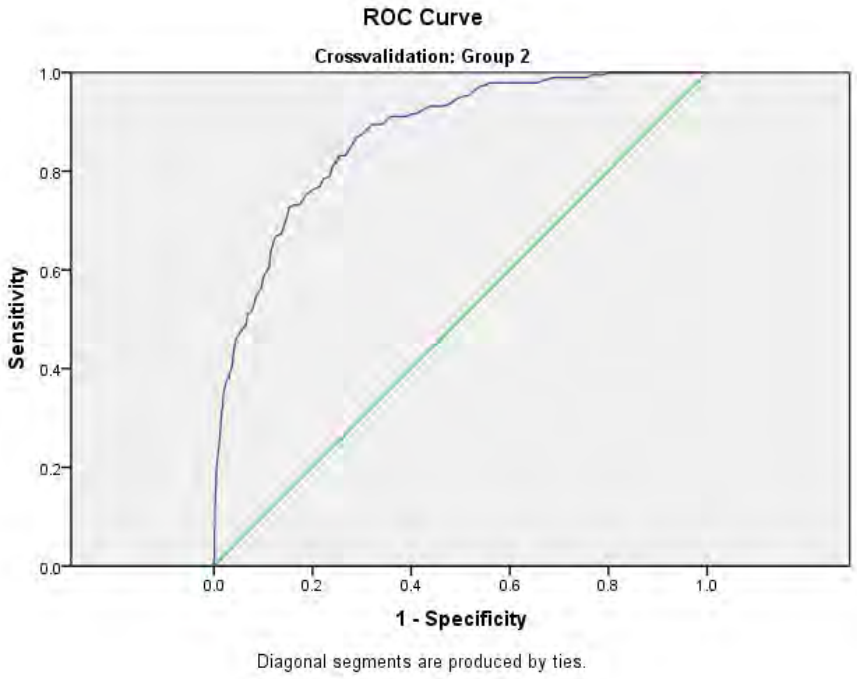
Area Under the Curve[c,d]

Test Result Variable(s):Wint10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.865	.014	.000	.838	.892
Group 2	.872	.013	.000	.846	.897

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
22.00	.000	1.000	.000	1.000
24.50	.006	1.000	-	-
25.50	-	-	.005	1.000
29.00	-	-	.011	1.000
35.00	-	-	.016	1.000
36.50	.011	1.000	-	-
41.00	-	-	.016	.999
43.00	-	-	.021	.999
44.50	-	-	.026	.999
47.00	-	-	.032	.999
49.50	-	-	.037	.999
54.00	.017	1.000	-	-
55.00	-	-	.042	.999
61.50	.022	1.000	.047	.999
63.00	.028	1.000	-	-
65.00	-	-	.058	.999
66.00	.039	1.000	-	-
67.50	-	-	.063	.999
68.50	-	-	.074	.999
69.00	.045	1.000	-	-
69.50	-	-	.079	.998
71.00	.050	1.000	-	-
72.00	-	-	.084	.998
72.50	.056	1.000	-	-
73.50	.061	1.000	-	-
74.50	.067	1.000	.089	.998
75.50	-	-	.100	.998
76.50	.067	.999	-	-
78.50	.078	.999	.105	.998
81.50	-	-	.111	.998
82.00	.084	.999	-	-
82.50	-	-	.116	.998
83.50	-	-	.121	.998
84.50	-	-	.132	.997
85.50	.101	.997	.142	.997
86.50	.134	.996	.168	.996
87.50	.162	.995	.200	.995

Grade 5
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
88.50	.184	.990	.247	.989
89.50	.184	.989	.258	.988
90.50	.190	.988	.274	.987
91.50	.207	.987	.284	.986
92.50	.212	.987	.316	.984
93.50	.218	.987	.321	.982
94.50	.218	.985	.332	.982
95.50	.251	.983	.347	.981
96.50	.279	.981	-	-
97.00	-	-	.363	.978
97.50	.296	.979	-	-
98.50	.307	.975	.368	.977
99.50	.324	.974	.374	.974
100.50	.324	.972	.379	.973
101.50	.346	.970	.379	.970
102.50	.346	.966	.379	.969
103.50	.346	.963	.389	.969
104.50	.352	.957	.395	.966
105.50	.369	.956	.411	.963
106.50	.374	.954	.437	.959
107.50	.385	.949	.458	.956
108.50	.408	.945	.474	.947
109.50	.430	.941	.479	.942
110.50	.458	.929	.489	.935
111.50	.480	.923	.511	.932
112.50	.514	.916	.516	.923
113.50	.531	.912	.526	.920
114.50	.542	.907	.537	.917
115.50	.553	.906	.547	.915
116.50	.564	.902	.553	.910
117.50	.564	.893	.563	.904
118.50	.581	.889	.584	.900
119.50	.609	.885	-	-
120.00	-	-	.589	.898
120.50	.626	.880	-	-
121.50	.631	.873	.605	.888
122.50	.665	.866	.637	.885

Grade 5
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
123.50	.693	.855	.663	.877
124.50	.693	.843	.668	.873
125.50	.704	.838	.674	.863
126.50	.715	.837	.695	.856
127.50	.721	.836	.711	.851
128.50	.737	.831	.726	.847
129.50	.743	.826	.732	.839
130.50	.754	.818	.732	.827
131.50	.765	.803	.753	.812
132.50	.777	.793	.763	.798
133.50	.788	.780	.768	.785
134.50	.810	.766	.784	.778
135.50	.827	.754	.789	.765
136.50	.832	.738	.811	.759
137.50	.832	.730	.816	.753
138.50	.838	.727	.832	.746
139.50	.849	.725	.832	.733
140.50	**.860**	**.713**	.853	.720
141.50	.866	.696	.868	.711
142.50	.872	.692	**.874**	**.701**
143.50	.877	.684	.884	.689
144.50	.883	.674	.895	.680
145.50	.888	.669	.895	.671
146.50	.888	.660	.895	.657
147.50	.894	.650	.911	.644
148.50	.894	.638	.911	.637
149.50	.911	.629	.911	.633
150.50	.911	.622	.911	.619
151.50	.911	.611	.911	.610
152.50	.916	.595	.916	.600
153.50	.916	.590	.916	.591
154.50	.916	.574	.921	.582
155.50	.922	.571	.926	.572
156.50	.922	.566	.932	.564
157.50	.922	.555	.932	.556
158.50	.944	.548	.932	.554
159.50	.950	.539	.932	.549

Grade 5
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
160.50	.966	.526	.932	.536
161.50	.966	.516	.937	.521
162.50	.972	.499	.947	.506
163.50	.978	.485	.953	.492
164.50	.978	.477	.953	.483
165.50	.978	.468	.963	.473
166.50	.978	.454	.974	.457
167.50	.978	.445	.974	.448
168.50	.978	.437	.979	.443
169.50	.978	.428	.979	.434
170.50	.978	.415	.979	.422
171.50	.978	.408	.979	.410
172.50	.978	.390	.979	.398
173.50	.978	.383	.979	.392
174.50	.978	.373	.979	.385
175.50	.978	.362	.979	.371
176.50	.978	.357	.979	.368
177.50	.978	.340	.979	.360
178.50	.978	.332	.979	.344
179.50	.978	.319	.984	.331
180.50	.978	.304	.989	.313
181.50	.983	.291	.989	.312
182.50	.983	.278	.989	.304
183.50	.983	.270	.989	.300
184.50	.983	.258	.989	.290
185.50	.983	.252	.989	.287
186.50	.983	.249	.989	.280
187.50	.983	.239	.989	.272
188.50	.983	.237	.989	.265
189.50	.983	.233	.989	.259
190.50	.983	.224	.989	.250
191.50	.983	.213	.989	.241
192.50	.983	.210	.995	.236
193.50	.989	.202	.995	.228
194.50	.989	.196	.995	.223
195.50	.989	.189	.995	.219
196.50	.989	.184	.995	.215

Grade 5
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
197.50	.994	.181	.995	.209
198.50	.994	.172	1.000	.202
199.50	.994	.163	1.000	.188
200.50	.994	.155	1.000	.171
201.50	.994	.153	1.000	.169
202.50	.994	.148	1.000	.163
203.50	.994	.143	1.000	.160
204.50	.994	.135	1.000	.156
205.50	.994	.134	1.000	.148
206.50	.994	.127	1.000	.144
207.50	.994	.124	1.000	.140
208.50	.994	.117	1.000	.132
209.50	.994	.112	1.000	.125
210.50	.994	.107	1.000	.121
211.50	.994	.103	1.000	.116
212.50	.994	.097	1.000	.115
213.50	.994	.089	1.000	.108
214.50	.994	.085	1.000	.106
215.50	.994	.076	1.000	.100
216.50	.994	.073	1.000	.097
217.50	.994	.072	1.000	.093
218.50	.994	.067	1.000	.092
219.50	1.000	.063	1.000	.088
220.50	1.000	.061	1.000	.086
221.50	1.000	.060	1.000	.081
222.50	1.000	.057	1.000	.076
223.50	1.000	.056	1.000	.073
224.50	1.000	.054	1.000	.068
225.50	1.000	.051	1.000	.067
226.50	1.000	.049	1.000	.066
227.50	-	-	1.000	.057
228.00	1.000	.044	-	-
228.50	-	-	1.000	.055
229.50	1.000	.043	1.000	.053
230.50	-	-	1.000	.047
231.00	1.000	.042	-	-
232.00	-	-	1.000	.044

Grade 5
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
232.50	1.000	.039	-	-
233.50	1.000	.035	1.000	.043
234.50	-	-	1.000	.039
235.50	-	-	1.000	.037
236.00	1.000	.034	-	-
236.50	-	-	1.000	.035
237.50	-	-	1.000	.032
238.50	1.000	.033	1.000	.031
239.50	1.000	.032	-	-
240.50	1.000	.030	1.000	.029
241.50	1.000	.027	-	-
242.50	1.000	.026	1.000	.028
243.50	1.000	.025	1.000	.026
245.00	1.000	.021	1.000	.021
246.50	-	-	1.000	.019
247.00	1.000	.020	-	-
247.50	-	-	1.000	.018
248.50	1.000	.017	1.000	.016
250.00	1.000	.016	1.000	.015
252.00	1.000	.015	1.000	.013
253.50	1.000	.013	1.000	.010
254.50	1.000	.011	1.000	.007
255.50	-	-	1.000	.005
260.50	-	-	1.000	.004
261.00	1.000	.008	-	-
268.50	1.000	.006	1.000	.003
271.00	1.000	.005	-	-
272.50	1.000	.004	-	-
276.00	-	-	1.000	.002
281.50	1.000	.003	-	-
286.50	-	-	1.000	.001
294.00	-	-	1.000	.000
297.50	1.000	.002	-	-
324.50	1.000	.001	-	-
345.00	1.000	.000	-	-

Grade 5
Winter MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	206
	Negative	1022
	Missing	697
Group 2	Positive[a]	205
	Negative	995
	Missing	726

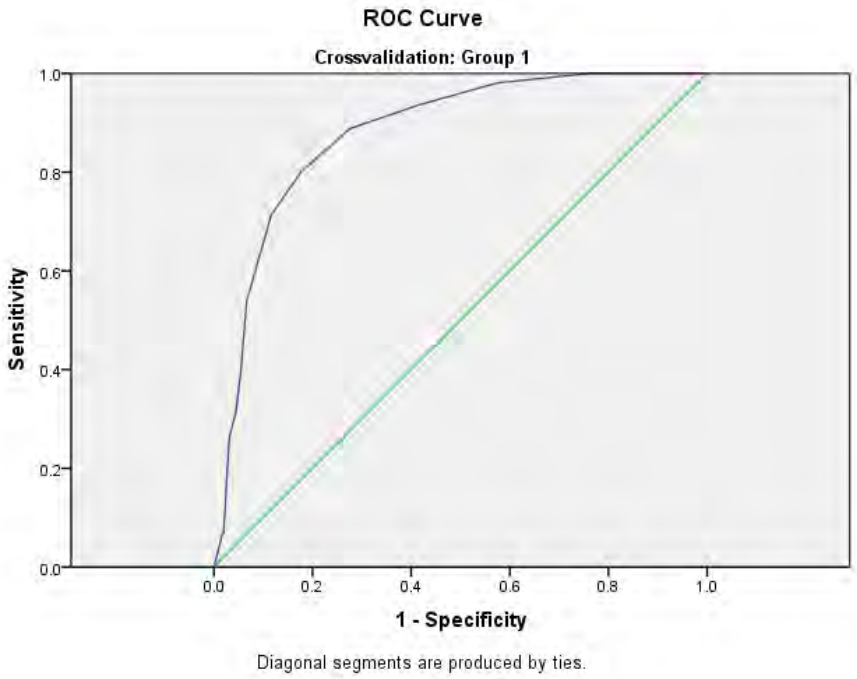
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group.

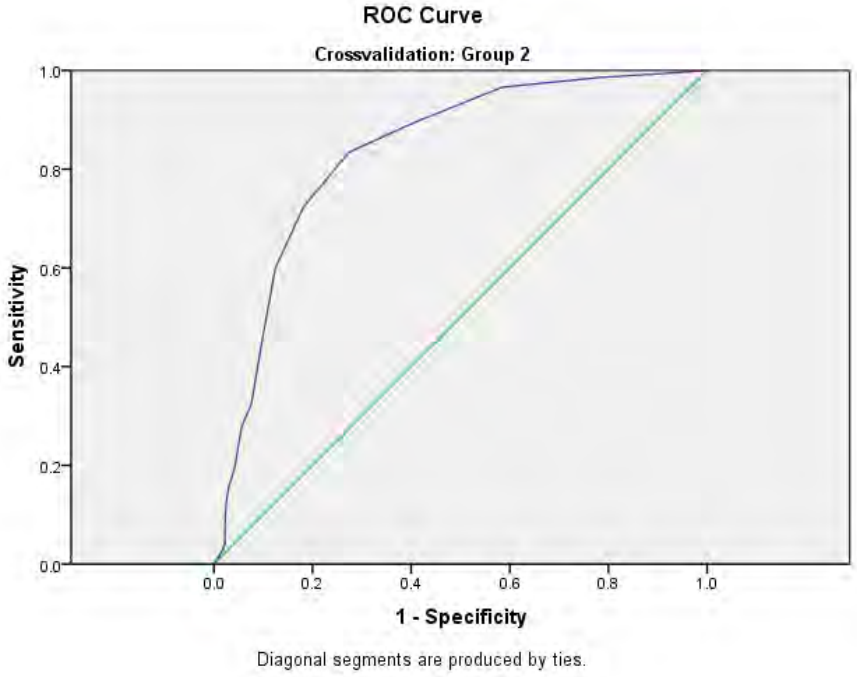
Area Under the Curve[c,d]

Test Result Variable(s):Wint10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.880	.012	.000	.857	.903
Group 2	.834	.014	.000	.806	.862

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.053	.986	-	-
1.00	-	-	.029	.982
1.50	.058	.985	-	-
2.50	.063	.985	.029	.981
3.50	.063	.983	.034	.981
4.50	.068	.980	.039	.978
5.50	.087	.979	.044	.978
6.50	.112	.977	.098	.977
7.50	.170	.975	.127	.975
8.50	.262	.969	.156	.970
9.50	.311	.956	.195	.958
10.50	.398	.945	.278	.944
11.50	.539	.933	.322	.925
12.50	.612	.913	.439	.905
13.50	.714	.884	.600	.875
14.50	**.801**	**.823**	.722	.819
15.50	.888	.724	**.834**	**.727**
16.50	.937	.582	.893	.598
17.50	.981	.427	.966	.416
18.50	1.000	.240	.985	.223
19.50	1.000	.071	.995	.068
21.00	1.000	.000	1.000	.000

Grade 5
Spring PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	192
	Negative	997
	Missing	736
Group 2	Positive[a]	205
	Negative	974
	Missing	747

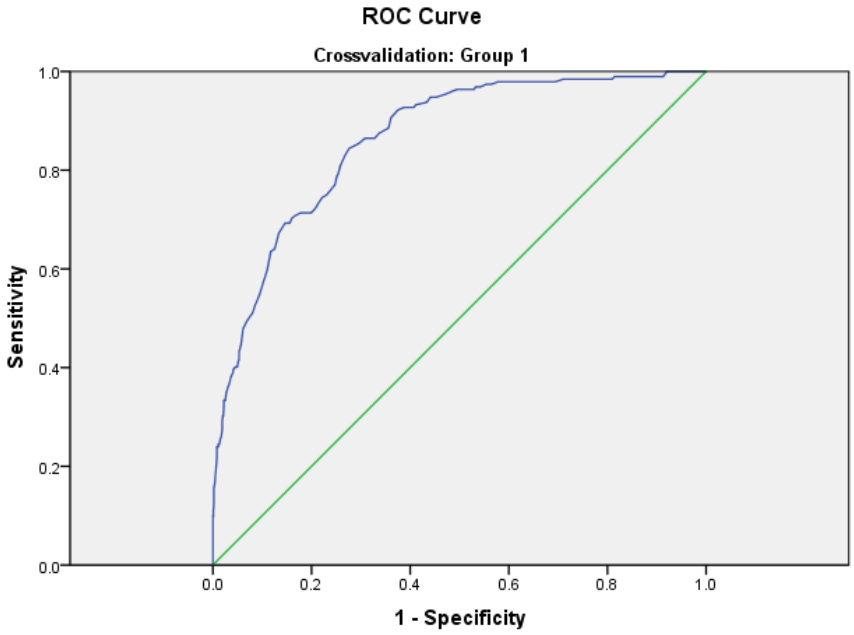
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group.

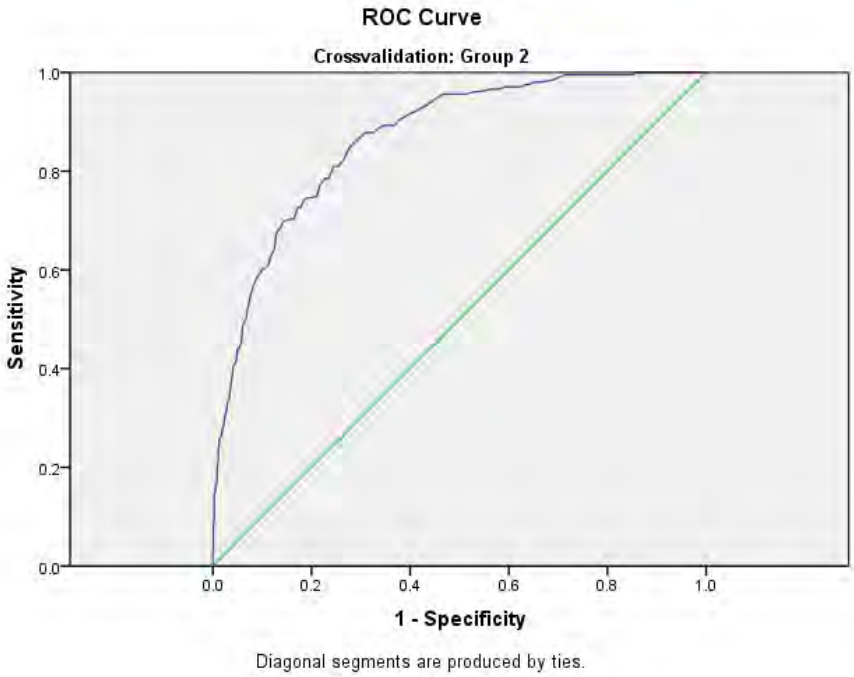
Area Under the Curve[c,d]

Test Result Variable(s):Spr10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.863	.014	.000	.836	.890
Group 2	.868	.013	.000	.842	.893

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
6.00	.000	1.000	-	-
26.00	.005	1.000	-	-
46.00	.010	1.000	-	-
51.00	.016	1.000	-	-
56.00	-	-	.000	1.000
57.00	.021	1.000	-	-
58.00	-	-	.005	1.000
60.00	.026	1.000	-	-
62.50	.036	1.000	.010	1.000
66.50	.047	1.000	-	-
67.50	-	-	.015	1.000
69.00	-	-	.020	1.000
70.00	.052	1.000	-	-
70.50	-	-	.029	1.000
71.50	.063	1.000	.029	.999
72.50	-	-	.034	.999
73.00	.078	1.000	-	-
73.50	-	-	.049	.999
74.50	.083	1.000	.054	.999
75.50	.089	1.000	.059	.999
76.50	-	-	.068	.999
78.00	.094	1.000	-	-
78.50	-	-	.073	.999
80.50	-	-	.083	.999
81.00	.099	1.000	-	-
82.50	-	-	.093	.998
83.50	.099	.999	-	-
84.50	-	-	.093	.997
85.50	-	-	.117	.997
86.50	.109	.999	.127	.997
87.50	-	-	.132	.997
88.50	.125	.998	.137	.997
89.50	-	-	.146	.997
90.50	-	-	.151	.995
91.00	.135	.998	-	-
91.50	-	-	.166	.995
92.50	-	-	.166	.992

Grade 5
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
93.50	.156	.998	.176	.992
94.50	.161	.997	.185	.992
95.50	.167	.996	.205	.991
96.50	.182	.995	.215	.989
97.50	.193	.994	.220	.989
98.50	.203	.993	.229	.989
99.50	.219	.992	.239	.989
100.50	.224	.992	-	-
101.00	-	-	.239	.988
101.50	.234	.992	-	-
102.50	.240	.992	-	-
103.00	-	-	.249	.988
103.50	.240	.989	-	-
104.50	.245	.989	.259	.987
105.50	.245	.987	.263	.983
106.50	.250	.986	.278	.980
107.50	.255	.985	-	-
108.00	-	-	.288	.977
108.50	.260	.983	-	-
109.50	.276	.981	.302	.976
110.50	.292	.981	.302	.975
111.50	.302	.980	.322	.971
112.50	.302	.979	.332	.971
113.50	.323	.978	.337	.967
114.50	.333	.978	.346	.966
115.50	.333	.975	.356	.965
116.50	.349	.973	.390	.960
117.50	.359	.970	.405	.959
118.50	.370	.966	.410	.956
119.50	.380	.964	.410	.954
120.50	.391	.959	.424	.952
121.50	.396	.959	.429	.951
122.50	-	-	.439	.951
123.00	.401	.955	-	-
123.50	-	-	.439	.950
124.50	.401	.951	.444	.946
125.50	.411	.949	.459	.941

Grade 5
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
126.50	.417	.947	.478	.940
127.50	.432	.947	.488	.939
128.50	.448	.943	.502	.932
129.50	.479	.939	.517	.930
130.50	.495	.931	.541	.925
131.50	.505	.924	.551	.923
132.50	.510	.920	.566	.919
133.50	.526	.915	.580	.913
134.50	.547	.906	.600	.900
135.50	.573	.898	.610	.887
136.50	.599	.890	.624	.884
137.50	.635	.883	.629	.881
138.50	.641	.875	.644	.875
139.50	.672	.867	.673	.872
140.50	.693	.854	.688	.862
141.50	.693	.845	.698	.857
142.50	.703	.840	.702	.847
143.50	.708	.832	.702	.836
144.50	.714	.822	.727	.828
145.50	.714	.816	.727	.822
146.50	.714	.807	.741	.815
147.50	.714	.800	.746	.808
148.50	.724	.791	.746	.799
149.50	.734	.785	.746	.796
150.50	.745	.778	.751	.789
151.50	.750	.769	.771	.783
152.50	.771	.752	.785	.772
153.50	.786	.749	.785	.769
154.50	.792	.746	.785	.766
155.50	.807	.742	.800	.759
156.50	.828	.733	.810	.756
157.50	.844	.724	.810	.745
158.50	**.854**	**.704**	.824	.734
159.50	.865	.692	.849	.723
160.50	.865	.681	.863	.708
161.50	.865	.672	**.868**	**.700**
162.50	.875	.663	.878	.691

Grade 5
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
163.50	.885	.644	.878	.674
164.50	.906	.639	.883	.669
165.50	.922	.625	.893	.655
166.50	.927	.613	.893	.647
167.50	.927	.602	.893	.642
168.50	.927	.593	.893	.631
169.50	.932	.589	.902	.624
170.50	.938	.567	.917	.600
171.50	.948	.559	.922	.587
172.50	.948	.547	.927	.580
173.50	.953	.531	.932	.570
174.50	.958	.519	.941	.555
175.50	.964	.506	.951	.541
176.50	.964	.490	.956	.534
177.50	.964	.484	.956	.526
178.50	.964	.478	.956	.516
179.50	.964	.470	.956	.504
180.50	.969	.467	.956	.497
181.50	.969	.457	.956	.488
182.50	.974	.446	.961	.470
183.50	.974	.435	.961	.459
184.50	.979	.422	.966	.439
185.50	.979	.391	.966	.423
186.50	.979	.379	.971	.408
187.50	.979	.368	.971	.400
188.50	-	-	.971	.383
189.00	.979	.359	-	-
189.50	-	-	.971	.376
190.50	.979	.354	.976	.368
191.50	.979	.343	.976	.359
192.50	.979	.329	.980	.347
193.50	.979	.320	.980	.334
194.50	.979	.305	.985	.309
195.50	.984	.290	.995	.286
196.50	.984	.281	.995	.277
197.50	.984	.266	.995	.259
198.50	.984	.257	.995	.249

Grade 5
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
199.50	.984	.241	.995	.236
200.50	.984	.235	.995	.227
201.50	.984	.222	.995	.216
202.50	.984	.199	.995	.190
203.50	.984	.194	.995	.187
204.50	.984	.191	.995	.184
205.50	.990	.186	.995	.180
206.50	.990	.183	.995	.176
207.50	.990	.177	.995	.168
208.50	.990	.160	.995	.162
209.50	.990	.155	.995	.154
210.50	.990	.149	.995	.150
211.50	.990	.147	.995	.147
212.50	.990	.144	1.000	.145
213.50	.990	.140	1.000	.139
214.50	.990	.130	1.000	.136
215.50	.990	.124	1.000	.127
216.50	.990	.122	1.000	.125
217.50	.990	.113	1.000	.121
218.50	.990	.108	1.000	.115
219.50	.990	.105	1.000	.109
220.50	.990	.104	1.000	.108
221.50	.990	.099	1.000	.104
222.50	.990	.097	1.000	.102
223.50	.990	.093	1.000	.099
224.50	.990	.089	1.000	.097
225.50	.990	.088	1.000	.093
226.50	.990	.087	1.000	.090
227.50	1.000	.079	1.000	.082
228.50	1.000	.077	1.000	.078
229.50	-	-	1.000	.074
230.00	1.000	.075	-	-
230.50	-	-	1.000	.073
231.50	1.000	.072	1.000	.070
232.50	1.000	.067	1.000	.066
233.50	1.000	.064	1.000	.065
234.50	1.000	.063	1.000	.064

Grade 5
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
235.50	1.000	.061	1.000	.062
236.50	1.000	.058	1.000	.056
237.50	1.000	.057	1.000	.055
238.50	1.000	.049	1.000	.054
239.50	1.000	.047	1.000	.048
240.50	1.000	.046	1.000	.046
241.50	1.000	.045	1.000	.043
242.50	1.000	.041	1.000	.041
243.50	1.000	.039	-	-
244.00	-	-	1.000	.039
244.50	1.000	.038	-	-
245.50	-	-	1.000	.038
246.50	1.000	.036	-	-
247.00	-	-	1.000	.037
248.00	-	-	1.000	.036
249.00	1.000	.035	-	-
249.50	-	-	1.000	.034
250.50	1.000	.033	-	-
251.00	-	-	1.000	.032
252.00	1.000	.031	-	-
252.50	-	-	1.000	.031
253.50	1.000	.026	1.000	.027
254.50	1.000	.025	1.000	.023
255.50	1.000	.021	1.000	.016
256.50	-	-	1.000	.009
257.00	1.000	.011	-	-
259.50	-	-	1.000	.008
261.50	1.000	.010	-	-
265.00	-	-	1.000	.007
265.50	1.000	.009	-	-
268.50	-	-	1.000	.005
272.00	1.000	.008	-	-
274.50	-	-	1.000	.004
279.00	1.000	.007	-	-
281.50	1.000	.005	1.000	.003
285.50	-	-	1.000	.002
286.50	1.000	.004	-	-

Grade 5
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
288.50	-	-	1.000	.001
290.00	-	-	1.000	.000
297.00	1.000	.002	-	-
317.00	1.000	.001	-	-
331.00	1.000	.000	-	-

Grade 5
Spring MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	202
	Negative	1012
	Missing	711
Group 2	Positive[a]	205
	Negative	976
	Missing	745

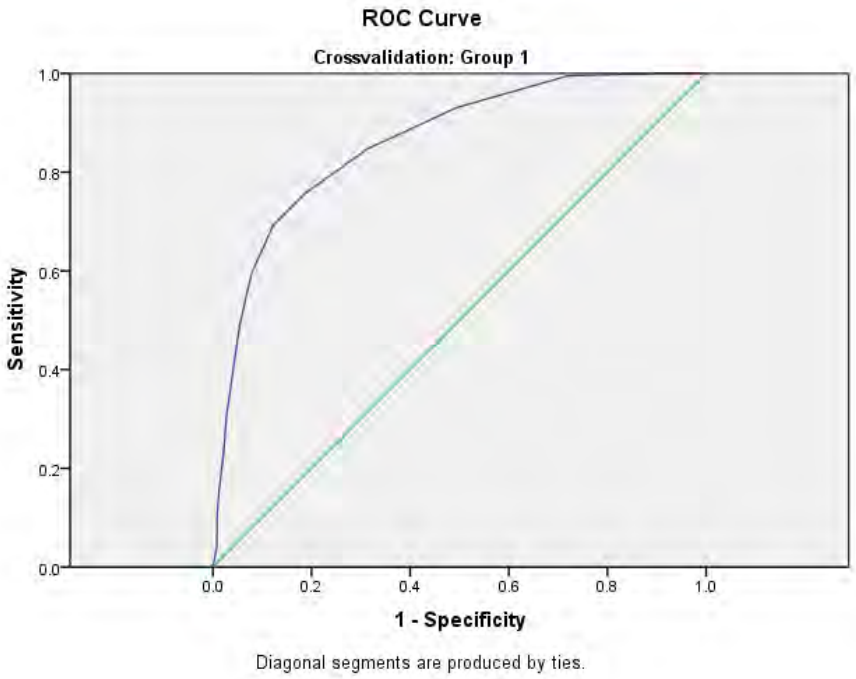
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group.

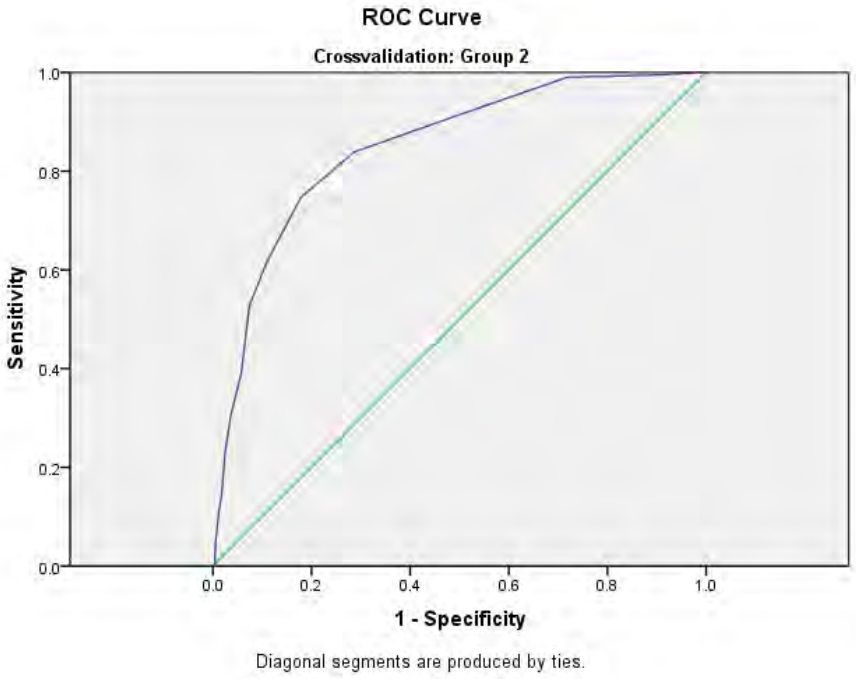
Area Under the Curve[c,d]

Test Result Variable(s):Spr10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.862	.014	.000	.835	.889
Group 2	.849	.014	.000	.820	.877

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.000	.996
1.50	.040	.992	.005	.996
2.50	-	-	.010	.996
3.50	.050	.992	.015	.996
4.50	.059	.992	.044	.995
5.50	.109	.991	.063	.993
6.50	.158	.987	.112	.988
7.50	.233	.978	.141	.983
8.50	.307	.972	.229	.975
9.50	.416	.957	.302	.964
10.50	.490	.946	.390	.943
11.50	.594	.922	.527	.926
12.50	.693	.877	.615	.891
13.50	.757	.812	.746	.822
14.50	**.847**	**.688**	**.839**	**.713**
15.50	.931	.506	.912	.506
16.50	.995	.281	.990	.282
17.50	1.000	.094	.995	.091
18.50	1.000	.019	1.000	.013
19.50	-	-	1.000	.001
20.00	1.000	.000	-	-
21.00	-	-	1.000	.000

Grade 5
Spring VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	172
	Negative	928
	Missing	825
Group 2	Positive[a]	186
	Negative	909
	Missing	831

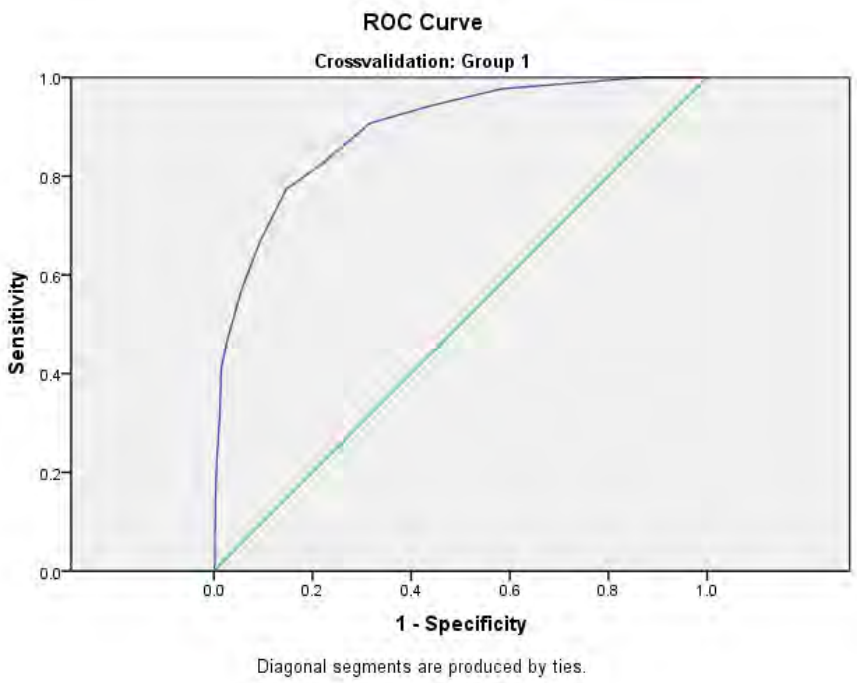
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group.

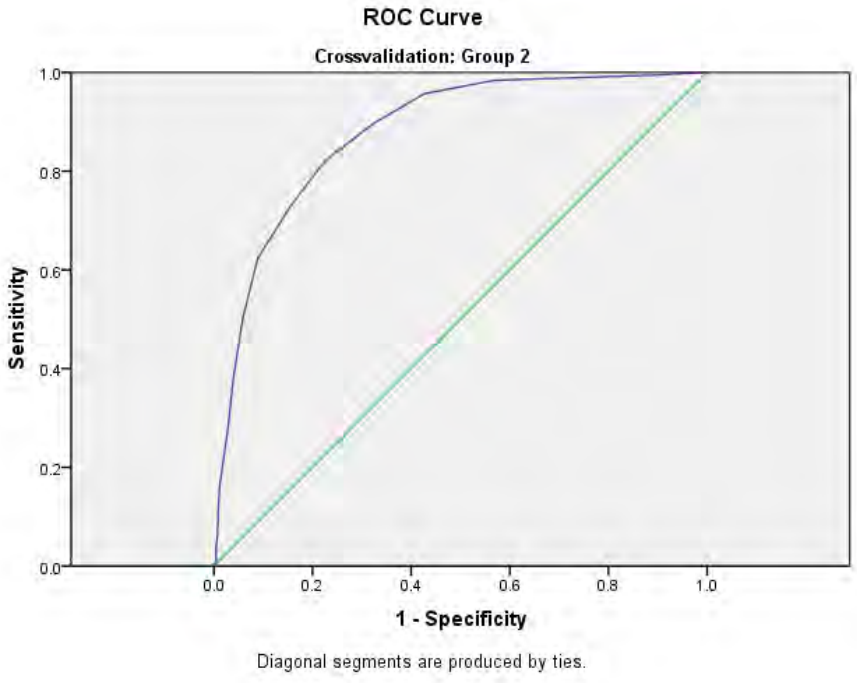
Area Under the Curve[c,d]

Test Result Variable(s):Spr10Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.893	.013	.000	.867	.918
Group 2	.878	.013	.000	.853	.903

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 5
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
2.00	-	-	.005	.999
2.50	.000	.999	-	-
4.50	-	-	.005	.997
5.50	.012	.999	.005	.996
6.50	.017	.998	.011	.996
7.50	.035	.998	.027	.996
8.50	.076	.998	.038	.996
9.50	.110	.997	.065	.992
10.50	.140	.997	.075	.992
11.50	.186	.996	.113	.991
12.50	.233	.994	.167	.988
13.50	.314	.988	.204	.982
14.50	.413	.985	.280	.971
15.50	.471	.972	.382	.960
16.50	.570	.944	.500	.942
17.50	.669	.906	.624	.911
18.50	.773	.853	.726	.847
19.50	**.826**	**.780**	**.823**	**.773**
20.50	.907	.684	.898	.674
21.50	.942	.564	.957	.573
22.50	.977	.418	.984	.432
23.50	.988	.274	.989	.271
24.50	1.000	.129	.995	.106
26.00	1.000	.000	1.000	.000

Grade 6
Fall PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	132
	Negative	436
	Missing	1357
Group 2	Positive[a]	142
	Negative	427
	Missing	1357

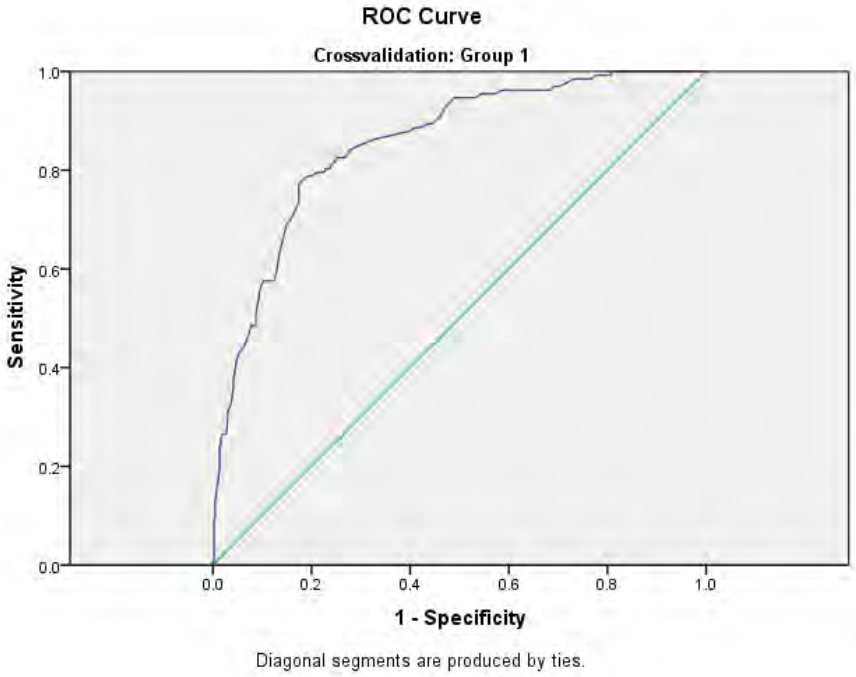
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group.

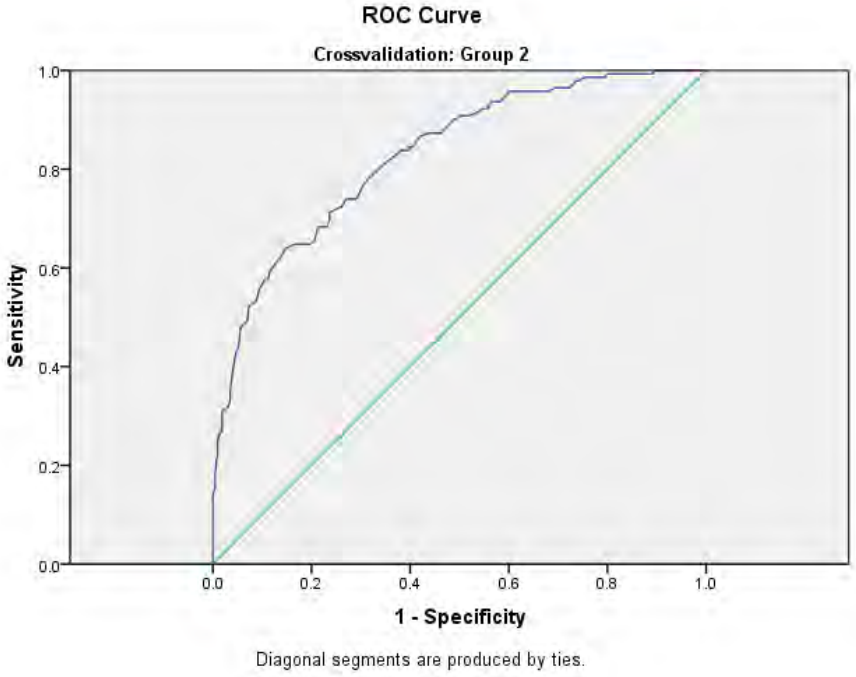
Area Under the Curve[c,d]

Test Result Variable(s):Fall09PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.854	.018	.000	.819	.890
Group 2	.829	.020	.000	.790	.867

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
15.00	-	-	.000	1.000
26.00	-	-	.007	1.000
36.00	.000	1.000	-	-
38.00	.008	1.000	-	-
42.00	.008	.998	.014	1.000
46.00	.015	.998	-	-
49.50	-	-	.021	1.000
51.00	.023	.998	-	-
52.00	-	-	.028	1.000
53.50	-	-	.035	1.000
55.00	-	-	.042	1.000
56.00	.030	.998	-	-
56.50	-	-	.056	1.000
58.00	.038	.998	.063	1.000
60.00	.045	.998	.070	1.000
61.50	-	-	.085	1.000
62.00	.068	.998	-	-
62.50	-	-	.092	1.000
63.50	-	-	.099	1.000
64.00	.083	.998	-	-
65.00	-	-	.134	1.000
67.00	.091	.998	-	-
67.50	-	-	.141	1.000
69.50	.098	.995	-	-
70.50	.106	.995	.155	.995
72.00	.114	.995	-	-
72.50	-	-	.162	.995
73.50	.121	.995	-	-
74.00	-	-	.176	.995
74.50	.136	.995	-	-
75.50	.136	.993	.183	.995
76.50	-	-	.204	.993
78.00	.152	.993	-	-
78.50	-	-	.211	.993
80.50	.174	.989	.218	.991
81.50	.182	.989	.225	.991
82.50	.189	.986	.239	.991

Grade 6
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
83.50	.212	.986	.246	.991
84.50	.220	.986	-	-
85.00	-	-	.254	.991
85.50	.242	.986	.254	.988
86.50	.242	.984	.261	.988
87.50	.258	.984	.261	.986
88.50	.265	.982	.268	.986
89.50	.265	.979	.268	.981
90.50	.265	.972	.275	.981
91.50	.295	.970	.282	.981
92.50	.311	.970	.310	.981
93.50	.326	.963	.317	.972
94.50	.356	.959	.317	.970
95.50	.371	.959	.331	.965
96.50	.402	.954	.352	.965
97.50	.417	.952	.387	.960
98.50	.439	.943	.430	.953
99.50	.439	.938	.437	.948
100.50	.470	.927	.479	.944
101.50	.485	.922	.486	.939
103.00	.485	.917	-	-
103.50	-	-	.486	.937
104.50	.485	.913	.493	.930
105.50	.508	.913	.521	.927
106.50	.523	.911	.528	.920
107.50	.545	.906	.528	.918
108.50	.553	.906	.535	.911
109.50	.568	.901	.556	.906
110.50	.576	.897	.563	.902
111.50	.576	.885	.577	.895
112.50	.576	.883	.577	.888
113.50	.576	.876	.592	.885
114.50	.591	.872	.599	.881
115.50	.606	.869	.613	.871
116.50	.621	.867	.620	.864
117.50	.644	.862	.641	.850
118.50	.689	.851	.648	.834

Grade 6
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
119.50	.705	.839	.648	.815
120.50	.735	.826	.648	.803
121.50	.773	.826	.655	.794
122.50	.780	.817	.683	.787
123.50	.788	.810	.683	.778
124.50	.788	.800	.683	.768
125.50	.795	.789	.697	.763
126.50	.795	.780	.711	.763
127.50	.795	.775	.718	.752
128.50	.803	.771	.725	.738
129.50	.803	.768	.739	.731
130.50	.803	.764	.739	.726
131.50	.826	.748	.739	.717
132.50	.826	.732	.739	.710
133.50	.841	.722	**.746**	**.705**
134.50	**.848**	**.706**	.768	.696
135.50	.864	.670	.782	.684
136.50	.871	.635	.810	.653
137.50	.879	.603	.838	.618
138.50	.886	.589	.838	.602
139.50	.886	.578	.845	.602
140.50	.894	.564	.845	.595
141.50	.894	.555	.866	.581
142.50	.909	.539	.873	.562
143.50	.932	.525	.873	.541
144.50	.947	.511	.873	.536
145.50	.947	.500	.887	.522
146.50	.947	.495	.894	.518
147.50	.947	.489	.901	.511
148.50	.947	.482	.901	.506
149.50	.947	.475	.908	.499
150.50	.947	.468	.908	.478
151.50	.955	.456	.915	.464
152.50	.955	.443	.923	.452
153.50	.955	.427	.923	.443
154.50	.962	.415	.937	.436
155.50	.962	.390	.937	.433

Grade 6
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
156.50	.962	.374	.937	.426
157.50	.962	.365	.937	.417
158.50	.962	.358	.951	.405
159.50	.962	.349	.958	.400
160.50	.962	.342	.958	.393
161.50	.962	.330	.958	.386
162.50	.962	.317	.958	.377
163.50	.970	.310	.958	.368
164.50	.970	.298	.958	.354
165.50	.977	.282	.958	.344
166.50	.985	.268	.958	.319
167.50	.985	.261	.965	.307
168.50	.985	.255	.965	.300
169.50	.985	.250	.965	.295
170.50	.985	.248	.965	.286
171.50	.985	.236	.965	.281
172.50	.985	.234	.965	.279
173.50	.985	.232	.972	.269
174.50	.992	.225	.979	.265
175.00	-	-	.979	.260
176.00	.992	.213	-	-
176.50	-	-	.979	.258
177.50	.992	.206	.986	.248
178.50	.992	.204	.986	.227
179.50	.992	.193	.986	.208
180.00	-	-	.986	.204
181.00	1.000	.193	-	-
181.50	-	-	.993	.201
182.50	1.000	.188	.993	.197
183.50	1.000	.186	.993	.192
184.50	1.000	.174	.993	.185
185.50	1.000	.158	.993	.173
186.50	1.000	.151	.993	.164
187.50	1.000	.149	.993	.162
188.50	1.000	.144	.993	.152
189.50	1.000	.135	.993	.141
190.50	-	-	.993	.138

Grade 6
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
191.00	1.000	.131	-	-
191.50	-	-	.993	.133
192.50	-	-	.993	.126
193.00	1.000	.128	-	-
193.50	-	-	.993	.124
195.00	1.000	.126	.993	.119
196.50	1.000	.124	.993	.112
197.50	1.000	.110	.993	.108
198.50	1.000	.106	-	-
199.50	1.000	.103	-	-
200.00	-	-	1.000	.108
201.00	1.000	.101	-	-
202.50	1.000	.094	1.000	.105
203.50	-	-	1.000	.098
204.00	1.000	.092	-	-
204.50	-	-	1.000	.096
205.50	1.000	.089	-	-
206.00	-	-	1.000	.091
206.50	1.000	.085	-	-
207.50	1.000	.083	-	-
208.50	-	-	1.000	.084
209.00	1.000	.078	-	-
210.50	-	-	1.000	.082
211.00	1.000	.076	-	-
212.00			1.000	.080
212.50	1.000	.073	-	-
213.50	1.000	.069	1.000	.073
214.50	1.000	.060	-	-
215.00	-	-	1.000	.066
215.50	1.000	.057	-	-
216.50	1.000	.055	1.000	.059
217.50	1.000	.044	1.000	.056
218.50	-	-	1.000	.049
219.00	1.000	.041	-	-
219.50	-	-	1.000	.047
220.50	-	-	1.000	.042
221.00	1.000	.039	-	-

Grade 6
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
221.50	-	-	1.000	.037
223.00	-	-	1.000	.033
224.50	1.000	.037	-	-
225.00	-	-	1.000	.028
227.50	1.000	.034	1.000	.021
228.50	1.000	.030	-	-
230.00	1.000	.025	1.000	.019
234.50	1.000	.023	-	-
238.00	-	-	1.000	.016
239.00	1.000	.021	-	-
240.50	1.000	.018	-	-
243.00	1.000	.016	-	-
246.50	1.000	.014	-	-
247.50	-	-	1.000	.012
249.00	1.000	.011	-	-
250.50	-	-	1.000	.009
251.00	1.000	.009	-	-
252.50	-	-	1.000	.007
254.50	-	-	1.000	.005
256.50	1.000	.007	-	-
268.00	1.000	.005	-	-
276.50	-	-	1.000	.002
290.00	1.000	.002	-	-
299.00	-	-	1.000	.000
306.00	1.000	.000	-	-

Grade 6
Fall MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	216
	Negative	939
	Missing	770
Group 2	Positive[a]	227
	Negative	927
	Missing	772

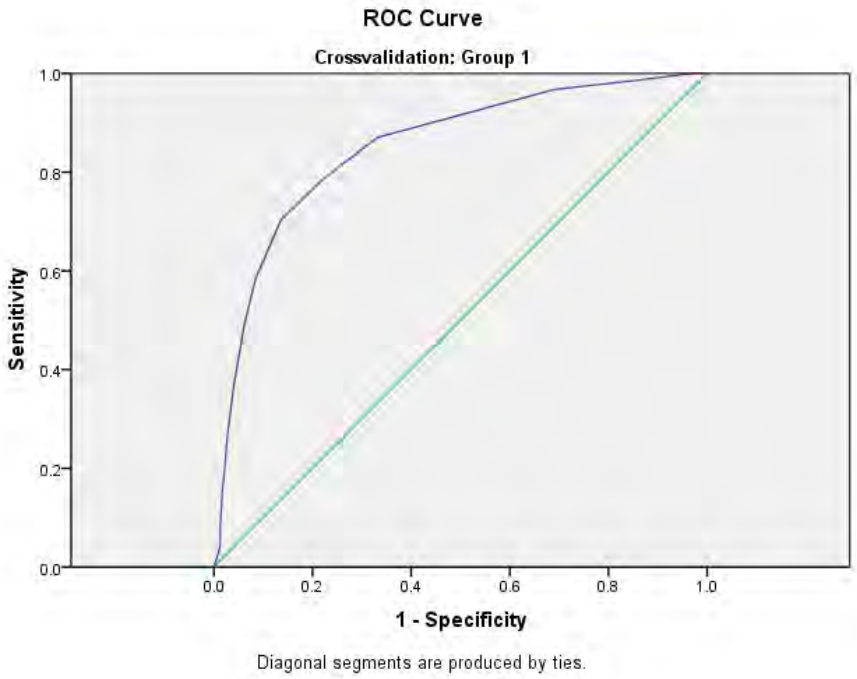
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group.

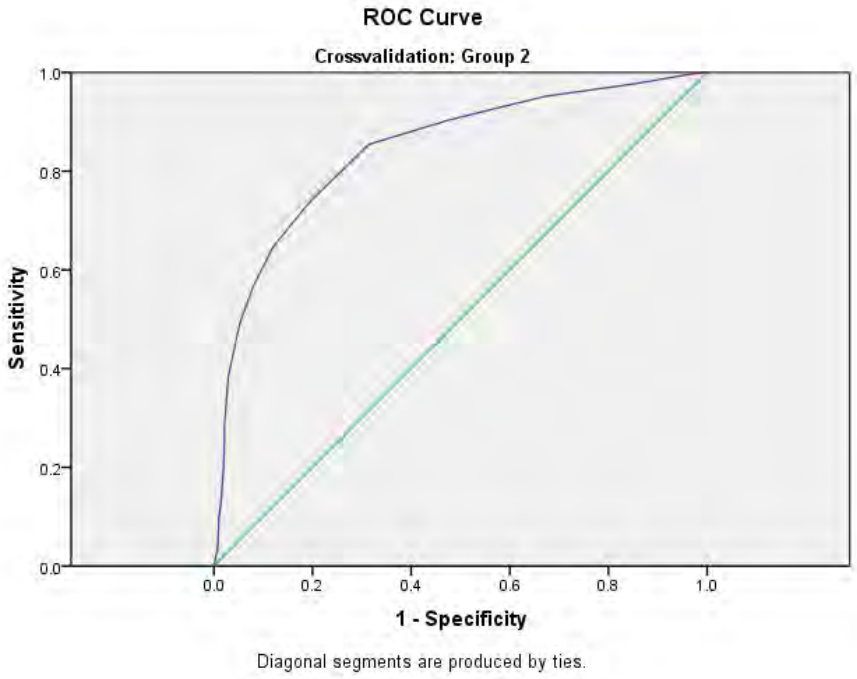
Area Under the Curve[c,d]

Test Result Variable(s):Fall09MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.851	.015	.000	.822	.880
Group 2	.845	.015	.000	.814	.875

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.037	.988	.026	.995
1.50	-	-	.031	.992
2.00	.042	.988	-	-
2.50	-	-	.035	.992
3.50	.046	.987	.040	.992
4.50	.083	.987	.057	.991
5.50	.097	.986	.093	.990
6.50	.153	.983	.137	.985
7.50	.194	.979	.216	.980
8.50	.269	.972	.286	.978
9.50	.361	.961	.383	.971
10.50	.486	.939	.489	.948
11.50	.583	.916	.564	.921
12.50	.704	.864	.648	.879
13.50	**.782**	**.783**	.740	.804
14.50	.870	.669	**.855**	**.685**
15.50	.917	.497	.903	.525
16.50	.968	.310	.952	.329
17.50	.986	.142	.978	.140
18.50	1.000	.031	.996	.040
19.50	1.000	.007	1.000	.005
21.00	1.000	.000	1.000	.000

Grade 6
Fall VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	190
	Negative	838
	Missing	897
Group 2	Positive[a]	188
	Negative	820
	Missing	918

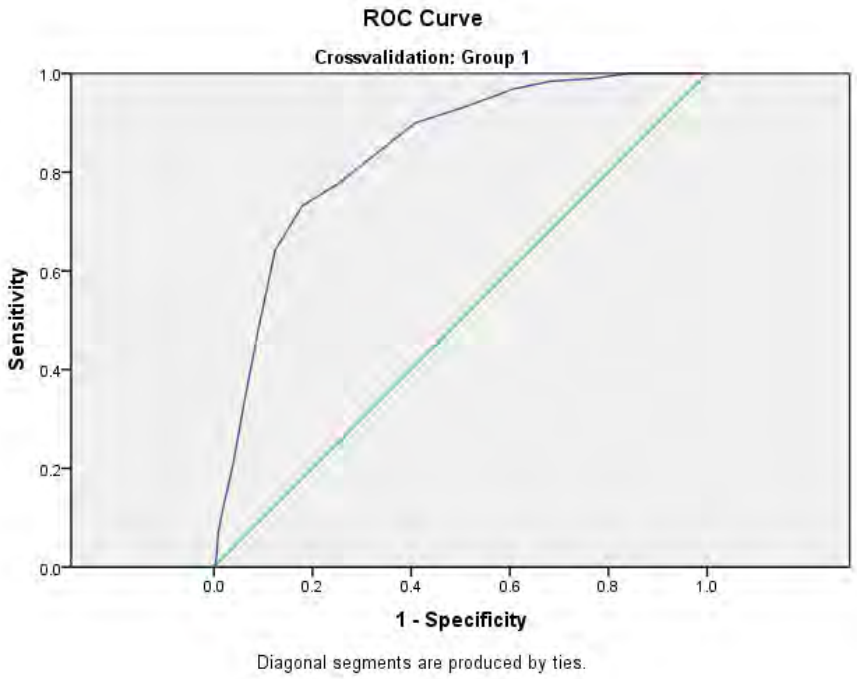
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group.

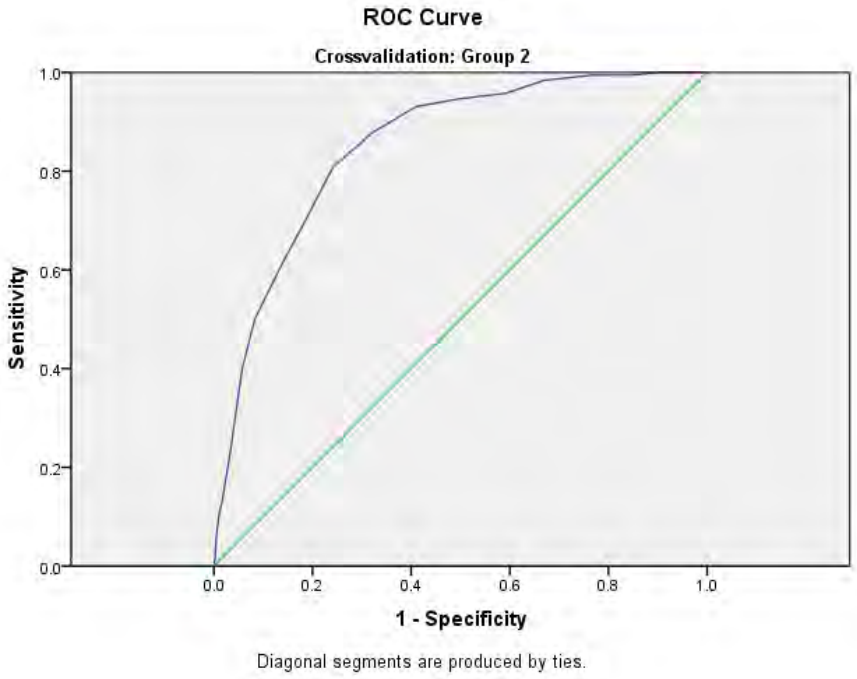
Area Under the Curve[c,d]

Test Result Variable(s):Fall09Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.840	.015	.000	.811	.869
Group 2	.851	.014	.000	.824	.879

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00			.000	.999
1.50	.005	.998		
2.50			.005	.999
3.50	.005	.996	.011	.999
4.50	.011	.996	.016	.998
5.50	.026	.994	.059	.995
6.50	.068	.992	.101	.990
7.50	.111	.983	.133	.983
8.50	.211	.961	.245	.965
9.50	.337	.938	.399	.943
10.50	.484	.909	.500	.917
11.50	.642	.876	.612	.862
12.50	.732	.821	.702	.813
13.50	**.779**	**.745**	**.809**	**.759**
14.50	.837	.672	.878	.679
15.50	.900	.592	.931	.590
16.50	.932	.493	.947	.501
17.50	.968	.393	.957	.410
18.50	.984	.317	.984	.330
19.50	.989	.233	.995	.230
20.50	1.000	.161	.995	.150
21.50	1.000	.101	1.000	.098
22.50	1.000	.050	1.000	.052
23.50	1.000	.019	1.000	.024
24.50	1.000	.005	1.000	.004
26.00	1.000	.000	1.000	.000

Grade 6
Winter PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	121
	Negative	418
	Missing	1386
Group 2	Positive[a]	119
	Negative	400
	Missing	1407

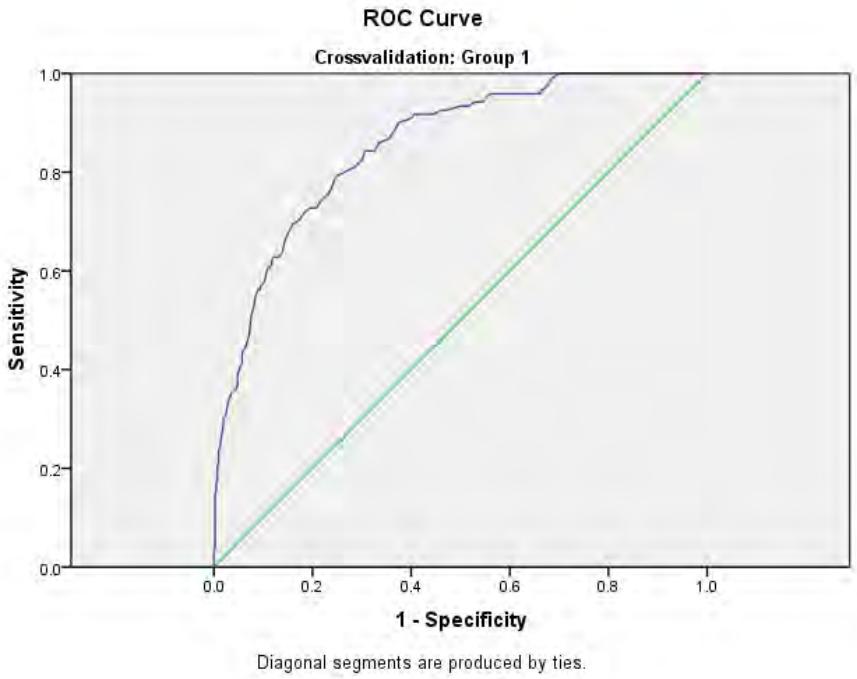
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group.

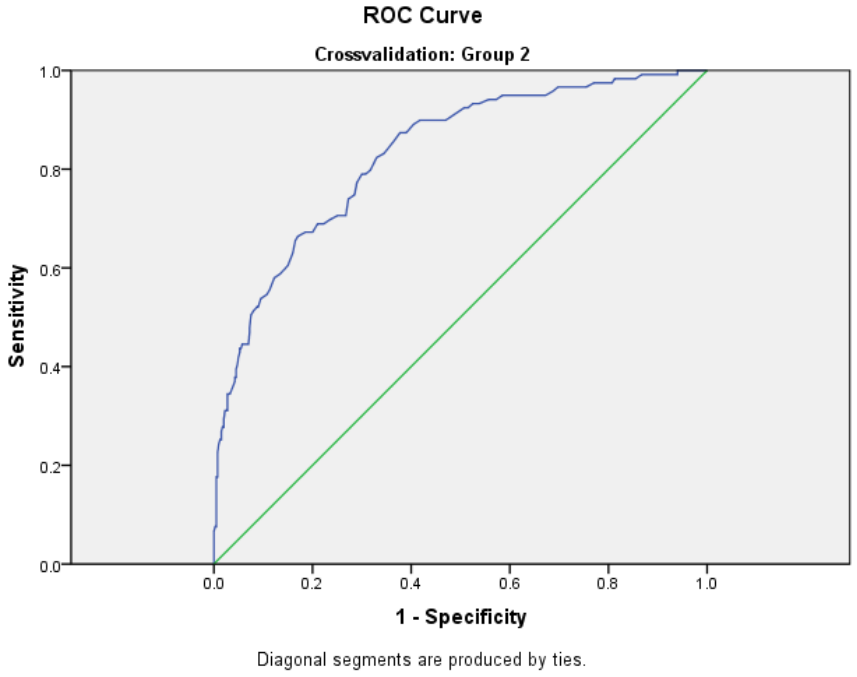
Area Under the Curve[c,d]

Test Result Variable(s):Wint10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.855	.018	.000	.818	.891
Group 2	.830	.021	.000	.788	.872

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
28.00	-	-	.000	1.000
36.00	-	-	.008	1.000
47.00	-	-	.017	1.000
52.00	.000	1.000	-	-
55.50	-	-	.025	1.000
56.50	.008	1.000	-	-
60.50	-	-	.034	1.000
61.00	.017	1.000	-	-
61.50	-	-	.050	1.000
63.00	.033	1.000	-	-
64.00	-	-	.059	1.000
64.50	.041	.998	-	-
65.50	.050	.998	-	-
66.50	.058	.998	-	-
67.50	-	-	.067	1.000
68.00	.066	.998	-	-
69.50	.074	.998	.076	.998
71.00	.083	.998	.076	.995
72.50	-	-	.092	.995
73.50	-	-	.109	.995
74.50	.107	.998	-	-
75.00	-	-	.118	.995
77.50	.124	.998	-	-
78.00	-	-	.143	.995
78.50	.132	.998	-	-
80.00	.149	.998	-	-
80.50	-	-	.168	.995
81.50	.157	.995	.176	.995
82.50	.174	.995	.176	.993
83.50	-	-	.193	.993
84.00	.174	.993	-	-
84.50	-	-	.210	.993
85.50	.182	.993	-	-
86.00	-	-	.218	.993
86.50	.190	.993	-	-
87.50	.207	.993	.227	.993
88.50	.207	.990	-	-

Grade 6
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
89.00	-	-	.244	.990
89.50	.215	.990	-	-
90.50	.231	.990	.252	.988
91.50	.240	.990	.252	.985
92.50	.240	.988	-	-
93.00	-	-	.269	.985
93.50	.256	.986	-	-
94.50	.273	.983	-	-
95.50	.289	.981	-	-
96.50	.306	.981	.277	.983
97.50	.306	.976	-	-
98.50	.322	.974	-	-
99.50	.331	.971	-	-
100.00	-	-	.277	.980
101.00	.339	.971	-	-
101.50	-	-	.286	.980
102.50	.339	.969	.294	.980
103.50	-	-	.311	.978
104.50	.347	.967	.311	.975
105.50	-	-	.311	.973
106.50	.355	.964	-	-
107.00	-	-	.319	.973
107.50	.355	.959	-	-
108.50	.364	.952	.345	.973
109.50	.388	.952	.345	.968
110.50	-	-	.370	.958
111.00	.405	.947	-	-
111.50	-	-	.378	.958
112.50	.413	.943	.378	.955
113.50	.438	.943	.395	.955
114.50	.438	.940	.403	.953
115.50	.446	.935	.420	.950
116.50	.471	.928	.429	.948
117.50	.496	.926	.437	.948
118.50	.512	.923	.437	.945
119.50	.529	.919	.445	.943
120.50	.545	.916	.445	.940

Grade 6
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
121.50	.562	.911	.445	.930
122.50	.562	.907	.471	.928
123.50	.570	.904	.479	.928
124.50	.579	.897	.504	.925
125.50	.603	.892	.513	.920
126.50	.612	.883	.521	.913
127.50	.620	.883	.521	.910
128.50	.628	.880	.538	.905
129.50	.628	.876	-	-
130.00	-	-	.546	.893
130.50	.628	.868	-	-
131.50	.636	.861	.555	.888
132.50	.661	.856	.580	.878
133.50	.678	.849	.588	.865
134.50	.694	.840	.605	.850
135.50	.702	.828	.630	.840
136.50	.719	.816	.655	.835
137.50	.727	.806	.664	.830
138.50	.727	.792	.672	.815
139.50	.744	.782	.672	.805
140.50	.752	.770	.672	.800
141.50	.769	.761	.689	.790
142.50	.785	.756	.689	.778
143.50	.793	.749	.697	.765
144.50	.802	.732	.706	.750
145.50	.810	.715	.706	.733
146.50	**.818**	**.706**	.739	.728
147.50	.826	.699	.748	.715
148.50	.843	.694	.773	.710
149.50	.843	.675	.782	.705
150.50	.860	.665	**.790**	**.700**
151.50	.868	.646	.790	.693
152.50	.884	.634	.798	.683
153.50	.901	.624	.824	.670
154.50	.909	.600	.832	.655
155.50	.917	.593	.857	.635
156.50	.917	.577	.874	.623

Grade 6
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
157.50	.917	.569	.874	.610
158.50	.917	.555	.891	.595
159.50	.926	.541	.899	.583
160.50	.926	.526	.899	.568
161.50	.934	.502	.899	.550
162.50	.934	.490	.899	.535
163.50	.934	.483	.899	.530
164.50	.942	.471	.908	.518
165.50	.942	.469	.916	.505
166.50	.942	.462	.924	.493
167.50	.942	.455	.924	.485
168.50	.959	.440	.933	.475
169.50	.959	.423	.933	.473
170.50	.959	.411	.933	.465
171.50	.959	.397	.933	.463
172.50	.959	.383	.941	.443
173.50	.959	.368	.941	.428
174.50	.959	.359	.950	.415
176.00	.959	.349	.950	.403
177.50	.959	.342	.950	.395
178.50	.959	.337	.950	.390
179.50	.967	.337	.950	.388
180.50	.967	.333	.950	.378
181.50	.975	.325	.950	.370
182.50	.983	.318	.950	.358
183.50	.992	.313	.950	.343
184.50	.992	.311	.950	.328
185.50	1.000	.301	.958	.313
186.50	1.000	.282	.966	.303
187.50	1.000	.261	.966	.295
188.50	1.000	.256	.966	.290
189.50	1.000	.254	.966	.285
190.50	1.000	.242	.966	.275
191.50	1.000	.230	.966	.255
192.50	1.000	.227	.966	.245
193.50	1.000	.220	.975	.230
194.50	1.000	.215	.975	.225

Grade 6
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
195.50	1.000	.211	.975	.220
196.50	1.000	.206	.975	.213
197.50	1.000	.196	.975	.208
198.50	1.000	.189	.975	.203
199.50	1.000	.177	.975	.195
200.50	1.000	.172	.975	.193
201.50	1.000	.163	.983	.188
202.50	1.000	.158	.983	.180
203.50	1.000	.151	.983	.175
204.50	-	-	.983	.173
205.00	1.000	.139	-	-
206.00	-	-	.983	.163
206.50	1.000	.134	-	-
207.50	1.000	.129	.983	.155
208.50	-	-	.983	.148
209.00	1.000	.127	-	-
209.50	-	-	.983	.145
210.50	1.000	.122	.992	.133
211.50	1.000	.117	.992	.128
213.00	1.000	.112	.992	.115
214.50	1.000	.105	.992	.113
215.50	1.000	.100	.992	.108
216.50	1.000	.098	.992	.100
217.50	1.000	.086	.992	.098
218.50	1.000	.079	.992	.093
219.50	-	-	.992	.083
220.00	1.000	.072	-	-
220.50	-	-	.992	.080
222.00	1.000	.069	.992	.078
223.50	1.000	.067	-	-
224.00	-	-	.992	.075
224.50	1.000	.060	-	-
225.50	1.000	.055	.992	.070
226.50	1.000	.053	-	-
227.00	-	-	.992	.068
228.00	1.000	.050	-	-
228.50	-	-	.992	.065

Grade 6
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
229.50	-	-	.992	.060
230.00	1.000	.048	-	-
230.50	-	-	1.000	.060
231.50	1.000	.045	1.000	.058
232.50	-	-	1.000	.050
233.00	1.000	.043	-	-
233.50	-	-	1.000	.048
234.50	1.000	.041	-	-
235.00	-	-	1.000	.045
236.50	1.000	.038	1.000	.040
238.00	-	-	1.000	.038
238.50	1.000	.036	-	-
239.50	1.000	.033	1.000	.033
241.50	1.000	.031	1.000	.028
243.50	1.000	.029	-	-
244.50	-	-	1.000	.025
245.00	1.000	.026	-	-
247.50	1.000	.024	1.000	.023
250.00	-	-	1.000	.015
252.00	1.000	.022	-	-
253.00	-	-	1.000	.013
255.50	-	-	1.000	.010
259.50	1.000	.019	-	-
264.00	-	-	1.000	.007
264.50	1.000	.017	-	-
267.00	1.000	.014	-	-
270.50	1.000	.012	-	-
273.00	1.000	.010	-	-
279.50	-	-	1.000	.002
280.50	1.000	.007	-	-
288.00	-	-	1.000	.000
291.50	1.000	.005	-	-
308.00	1.000	.002	-	-
321.00	1.000	.000	-	-

Grade 6
Winter MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	129
	Negative	490
	Missing	1306
Group 2	Positive[a]	142
	Negative	452
	Missing	1332

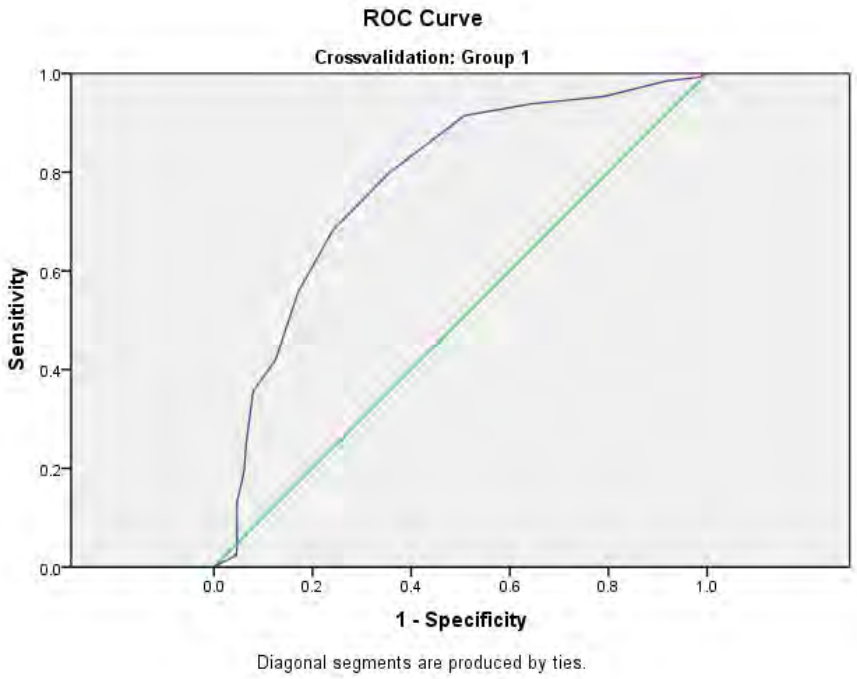
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group.

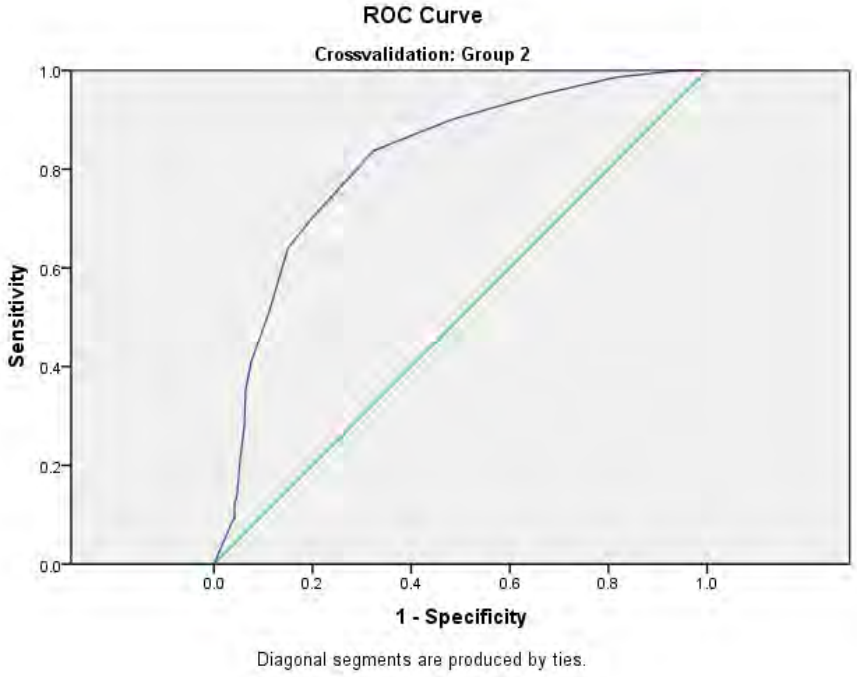
Area Under the Curve[c,d]

Test Result Variable(s):Wint10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.776	.022	.000	.733	.820
Group 2	.815	.020	.000	.776	.854

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	.023	.957	.092	.960
2.50	-	-	.092	.958
3.00	.023	.955	-	-
3.50	-	-	.099	.958
4.50	.039	.953	.127	.958
5.50	.085	.953	.134	.954
6.50	.132	.953	.211	.947
7.50	.194	.939	.282	.938
8.50	.248	.935	.352	.936
9.50	.357	.920	.408	.925
10.50	.419	.876	.514	.887
11.50	.558	.829	.641	.850
12.50	.682	.759	**.711**	**.792**
13.50	**.798**	**.645**	.838	.675
14.50	.915	.492	.901	.515
15.50	.938	.359	.951	.341
16.50	.953	.208	.986	.186
17.50	.984	.084	1.000	.058
18.50	.992	.016	1.000	.015
19.50	1.000	.002	1.000	.002
21.00	1.000	.000	1.000	.000

Grade 6
Spring PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	145
	Negative	438
	Missing	1342
Group 2	Positive[a]	143
	Negative	430
	Missing	1353

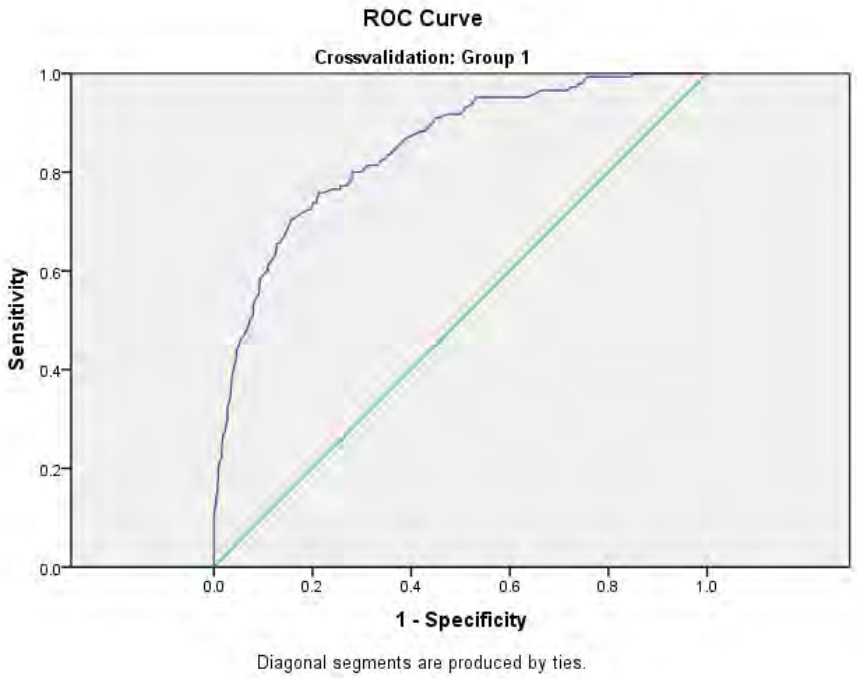
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group.

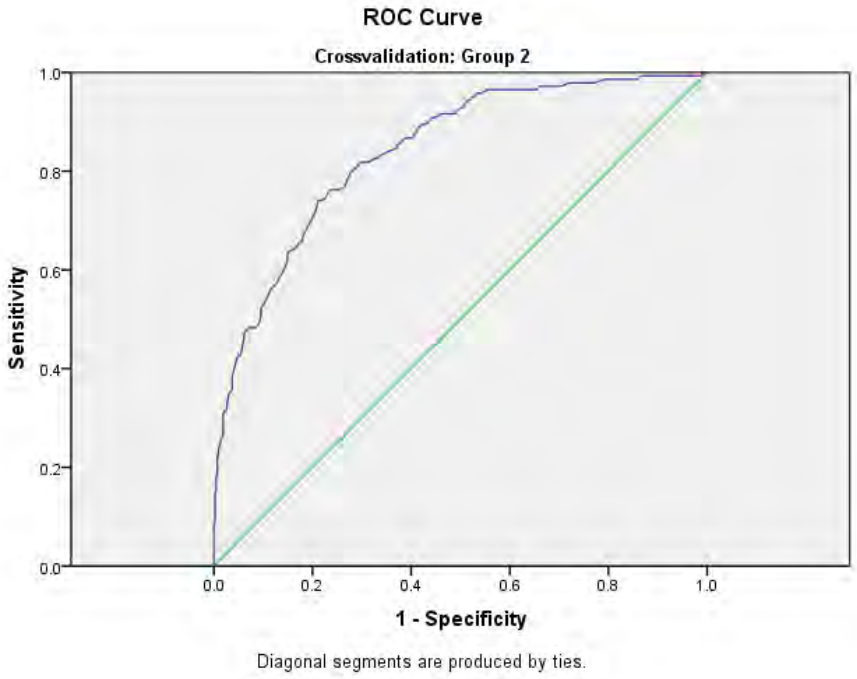
Area Under the Curve[c,d]

Test Result Variable(s):Spr10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.847	.018	.000	.811	.883
Group 2	.841	.019	.000	.804	.877

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
28.00	.000	1.000	.000	1.000
30.00	-	-	.014	1.000
35.00	-	-	.021	1.000
35.50	.007	1.000	-	-
44.00	-	-	.028	1.000
45.00	.014	1.000	-	-
49.50	.021	1.000	-	-
50.50	-	-	.035	1.000
52.00	.034	1.000	-	-
53.00	-	-	.042	1.000
54.00	.041	1.000	-	-
54.50	-	-	.056	1.000
56.50	.048	1.000	-	-
57.50	-	-	.063	1.000
58.50	.055	1.000	-	-
60.00	.062	1.000	-	-
61.00	-	-	.070	1.000
62.50	.069	1.000	-	-
63.00	-	-	.077	1.000
64.50	.083	1.000	.084	1.000
65.50	.090	1.000	.091	.998
66.50	-	-	.112	.998
67.50	.097	1.000	.119	.998
69.50	.103	1.000	.133	.998
70.50	.124	.998	-	-
71.50	.124	.995	.140	.998
72.50	-	-	.147	.998
74.00	-	-	.154	.995
75.50	.138	.995	.161	.995
77.00	-	-	.168	.995
78.50	-	-	.175	.995
79.50	.145	.995	.182	.995
80.50	.145	.993	.182	.993
82.00	-	-	.189	.993
83.50	.159	.993	-	-
84.50	-	-	.196	.993
87.00	.186	.991	.210	.993

Grade 6
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
89.00	.193	.991	.217	.993
90.50	.200	.991	.224	.993
91.50	.214	.989	.224	.991
92.50	.221	.984	.231	.991
93.50	.234	.984	.238	.991
94.50	.241	.984	.245	.988
95.50	.269	.982	.252	.986
96.50	.269	.979	.259	.986
97.50	.276	.977	.259	.984
98.50	.290	.975	.259	.981
99.50	.297	.973	.266	.981
100.50	.317	.973	.280	.981
101.50	.324	.973	.301	.981
102.50	.338	.968	.308	.981
103.50	.352	.966	.315	.979
104.50	.359	.966	.315	.974
105.50	.386	.963	.336	.972
106.50	.407	.959	.350	.970
107.50	.414	.957	.357	.963
108.50	.428	.954	.385	.963
109.50	.441	.954	.413	.956
110.50	.441	.952	-	-
111.00	-	-	.427	.951
111.50	.462	.945	-	-
112.50	.469	.938	.427	.947
113.50	.490	.929	.434	.944
114.50	.503	.927	.448	.942
115.50	.503	.925	.476	.937
116.50	.510	.920	.476	.935
117.50	.531	.920	.483	.928
118.50	.545	.916	.483	.923
119.50	.552	.909	.483	.916
120.50	.586	.906	.490	.909
121.50	.586	.904	.497	.907
122.50	.593	.900	-	-
12300	-	-	.510	.905
123.50	.600	.893	-	-

Grade 6
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
124.50	.600	.890	-	-
125.00	-	-	.524	.905
125.50	.614	.890	-	-
126.50	.621	.884	.531	.898
127.50	.634	.874	.538	.895
128.50	.655	.872	.545	.891
129.50	.655	.868	.559	.886
130.50	.662	.863	.566	.879
131.50	.669	.858	.573	.872
132.50	.683	.852	.580	.870
133.50	.690	.849	.594	.860
134.50	.703	.842	.601	.858
135.50	.710	.831	.615	.851
136.50	.717	.822	.629	.851
137.50	.724	.808	.636	.849
138.50	.724	.804	.643	.835
139.50	.738	.799	-	-
140.00	-	-	.657	.826
140.50	.738	.792	-	-
141.50	.752	.790	.657	.821
142.50	.759	.785	.671	.819
143.50	.759	.776	.685	.812
144.50	.766	.760	.706	.800
145.50	.766	.749	.720	.793
146.50	.766	.744	.741	.788
147.50	.772	.744	.741	.779
148.50	.772	.740	.748	.772
149.50	.772	.731	.762	.765
150.50	.786	.721	.762	.747
151.50	**.800**	**.719**	.769	.735
152.50	.800	.701	.797	.723
153.50	.814	.687	.804	.716
154.50	.814	.680	.804	.714
155.50	.814	.676	**.818**	**.702**
156.50	.814	.667	.818	.688
157.50	.821	.664	.818	.686
158.50	.828	.653	.825	.674

Grade 6
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
159.50	.834	.648	.825	.670
160.50	.834	.646	.832	.663
161.50	.848	.630	.839	.649
162.50	.869	.610	.846	.630
163.50	.876	.596	.853	.628
164.50	.883	.580	.867	.612
165.50	.883	.573	.867	.605
166.50	.890	.566	.867	.598
167.50	.897	.559	.874	.593
168.50	.910	.550	.888	.586
169.50	.910	.543	.895	.577
170.50	.917	.530	.895	.570
171.50	.917	.525	.909	.556
172.50	.917	.518	.909	.549
173.50	.917	.509	.916	.542
174.50	.917	.500	.916	.528
175.50	.931	.489	.916	.521
176.50	.938	.477	.916	.512
177.50	.945	.473	.916	.509
178.50	.952	.468	.923	.507
179.50	.952	.461	.930	.495
180.50	.952	.450	.944	.486
181.50	.952	.438	-	-
182.00	-	-	.944	.481
182.50	.952	.429	-	-
183.50	.952	.422	.951	.474
184.50	.952	.413	.951	.472
185.50	.952	.404	.958	.467
186.50	.952	.395	.958	.465
187.50	.952	.390	.958	.460
188.50	.952	.386	.958	.458
189.50	.952	.377	.965	.447
190.50	.952	.374	.965	.433
191.50	.952	.365	.965	.430
192.50	.959	.349	.965	.421
193.50	.966	.338	.965	.398
194.50	.966	.311	.965	.367

Grade 6
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
195.50	.966	.301	.965	.363
196.50	.966	.295	.965	.349
197.50	.966	.283	.965	.344
198.50	.972	.276	.972	.342
199.50	.972	.274	.972	.335
200.50	.972	.272	.972	.326
201.50	.972	.265	.972	.319
202.50	.979	.260	.972	.316
203.50	.979	.258	.972	.307
204.50	.979	.253	.972	.298
205.50	.986	.249	.972	.295
206.50	.993	.244	.979	.279
207.50	.993	.240	.979	.258
208.50	.993	.231	.979	.247
209.50	.993	.221	.979	.240
210.50	.993	.212	.979	.228
211.50	.993	.201	.986	.209
213.00	.993	.196	.986	.207
214.50	-	-	.986	.198
215.00	.993	.185	-	-
215.50	-	-	.986	.195
216.50	.993	.183	.986	.191
217.50	.993	.171	.986	.179
218.50	.993	.167	.986	.177
219.50	.993	.164	.986	.174
220.50	.993	.155	.986	.165
221.50	1.000	.151	.986	.153
222.50	1.000	.146	.986	.151
223.50	1.000	.142	.986	.149
225.00	1.000	.135	.986	.142
226.50	1.000	.128	.986	.140
227.50	1.000	.121	.993	.135
228.50	1.000	.116	.993	.133
229.50	1.000	.114	.993	.130
230.50	1.000	.110	-	-
231.00	-	-	.993	.123
231.50	1.000	.105	-	-

Grade 6
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
232.50	1.000	.103	-	-
233.00	-	-	.993	.119
233.50	1.000	.094	-	-
234.50	1.000	.082	.993	.112
235.50	1.000	.073	.993	.109
236.50	1.000	.066	-	-
237.00	-	-	.993	.098
237.50	1.000	.062	-	-
239.00	1.000	.059	.993	.093
240.50	1.000	.055	.993	.088
241.50	1.000	.050	-	-
242.50	-	-	.993	.084
243.50	1.000	.046	-	-
244.50	-	-	.993	.081
245.50	-	-	.993	.079
246.00	1.000	.039		
246.50	-	-	.993	.074
248.00	-	-	.993	.070
249.00	1.000	.037	-	-
249.50	-	-	.993	.063
250.50	-	-	.993	.060
251.50	-	-	.993	.058
252.50	1.000	.034	.993	.053
253.50	-	-	.993	.049
254.50	-	-	.993	.047
255.00	1.000	.032	-	-
255.50	-	-	.993	.042
256.50	1.000	.030	.993	.040
257.50	-	-	.993	.037
258.50	1.000	.027	-	-
260.00	-	-	.993	.033
261.00	1.000	.025	-	-
263.00	1.000	.023	-	-
265.00	1.000	.021	-	-
265.50	-	-	.993	.030
269.00	1.000	.018	-	-
270.00	-	-	.993	.028

Grade 6
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
271.50	-	-	.993	.026
272.50	1.000	.016	.993	.023
274.00	-	-	.993	.021
276.50	-	-	.993	.016
277.00	1.000	.014	-	-
278.50	-	-	.993	.014
280.50	-	-	.993	.009
283.50	-	-	1.000	.009
286.50	1.000	.011	-	-
289.50	-	-	1.000	.007
293.50	1.000	.009	-	-
297.00	-	-	1.000	.005
299.00	1.000	.007	-	-
301.50	-	-	1.000	.002
304.00	-	-	1.000	.000
312.00	1.000	.005	-	-
326.50	1.000	.002	-	-
333.00	1.000	.000	-	-

Grade 6
Spring MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	210
	Negative	890
	Missing	825
Group 2	Positive[a]	210
	Negative	898
	Missing	818

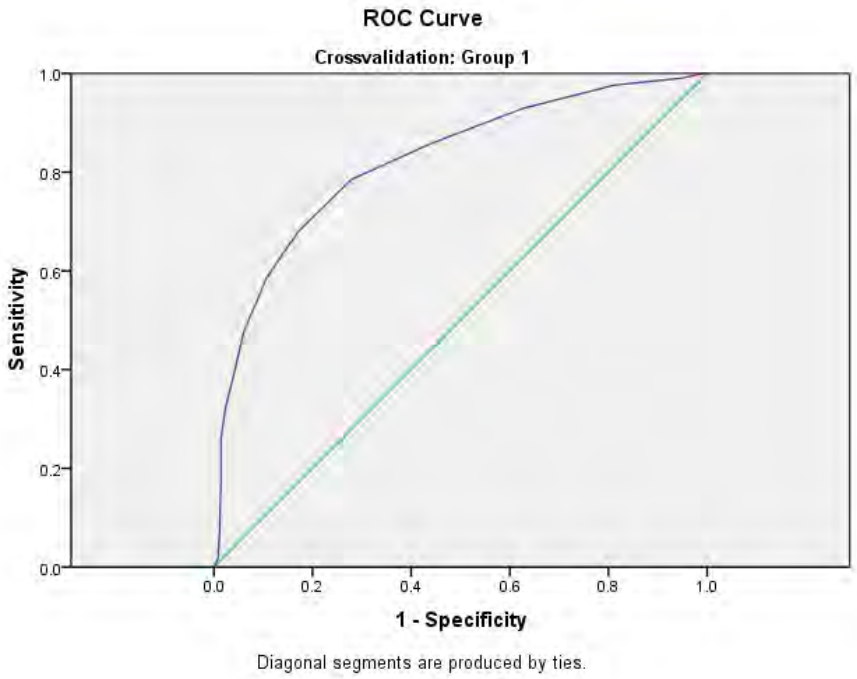
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group.

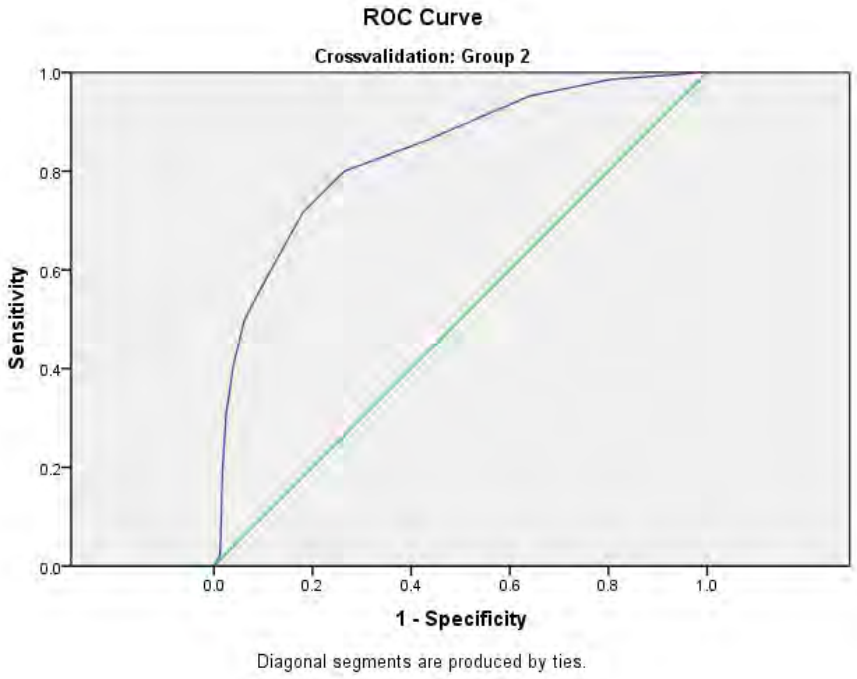
Area Under the Curve[c,d]

Test Result Variable(s):Spr10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.823	.017	.000	.790	.857
Group 2	.835	.016	.000	.804	.866

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.50	.019	.991		
2.00			.019	.989
3.50	.024	.991		
4.50	.033	.991	.019	.988
5.50	.062	.989	.048	.987
6.50	.105	.988	.071	.986
7.50	.176	.985	.133	.984
8.50	.262	.985	.200	.982
9.50	.324	.976	.305	.976
10.50	.395	.958	.405	.961
11.50	.476	.939	.500	.938
12.50	.586	.893	.586	.892
13.50	.681	.828	.714	.821
14.50	**.786**	**.720**	**.800**	**.735**
15.50	.857	.562	.862	.570
16.50	.929	.375	.952	.360
17.50	.976	.189	.986	.196
18.50	.990	.052	.995	.068
19.50	1.000	.008	1.000	.017
21.00	1.000	.000	1.000	.000

Grade 6
Spring VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	190
	Negative	785
	Missing	950
Group 2	Positive[a]	180
	Negative	795
	Missing	951

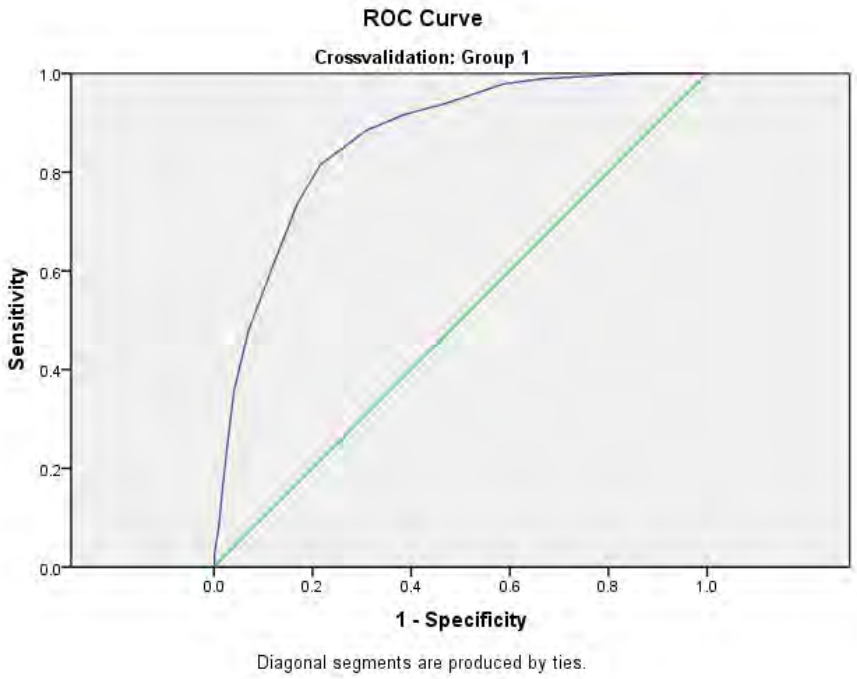
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group.

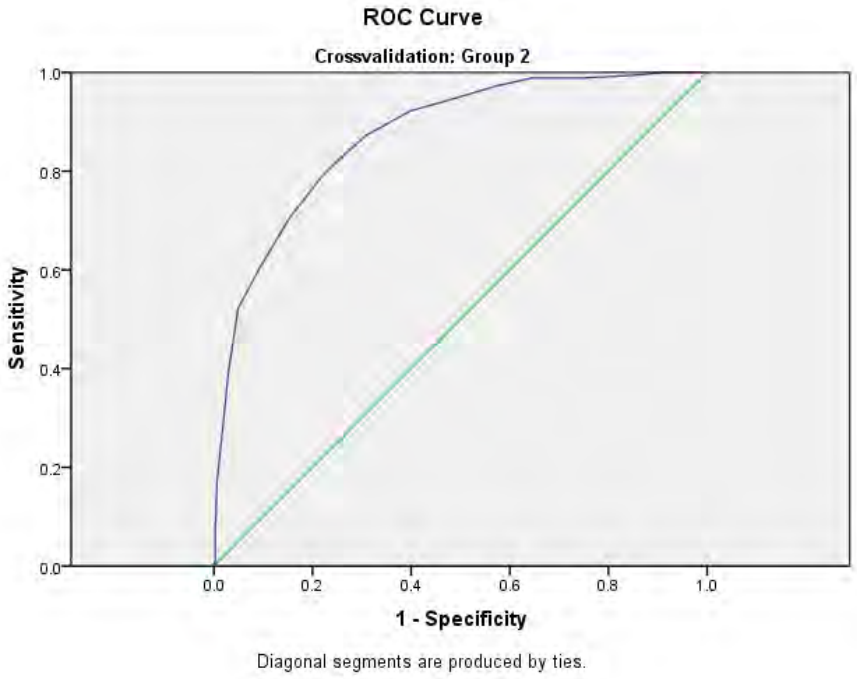
Area Under the Curve[c,d]

Test Result Variable(s):Spr10Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.866	.013	.000	.840	.892
Group 2	.873	.014	.000	.846	.900

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 6
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.006	.999
1.00	.000	.999	-	-
2.50	.005	.999	-	-
3.00	-	-	.006	.997
3.50	.016	.999	-	-
4.50	.026	.999	-	-
5.50	.037	.997	.022	.997
6.50	.042	.996	.050	.997
7.50	.084	.990	.094	.996
8.50	.163	.982	.172	.994
9.50	.253	.972	.300	.980
10.50	.358	.959	.389	.971
11.50	.479	.930	.522	.951
12.50	.611	.880	.600	.909
13.50	.737	.831	.706	.847
14.50	**.816**	**.783**	**.800**	**.772**
15.50	.884	.692	.872	.692
16.50	.916	.617	.922	.601
17.50	.942	.521	.944	.522
18.50	.979	.413	.972	.429
19.50	.989	.331	.989	.355
20.50	.995	.233	.989	.250
21.50	1.000	.154	.994	.147
22.50	1.000	.092	1.000	.089
23.50	1.000	.052	1.000	.052
24.50	1.000	.014	1.000	.018
26.00	1.000	.000	1.000	.000

Grade 7
Fall PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	257
	Negative	877
	Missing	666
Group 2	Positive[a]	251
	Negative	889
	Missing	660

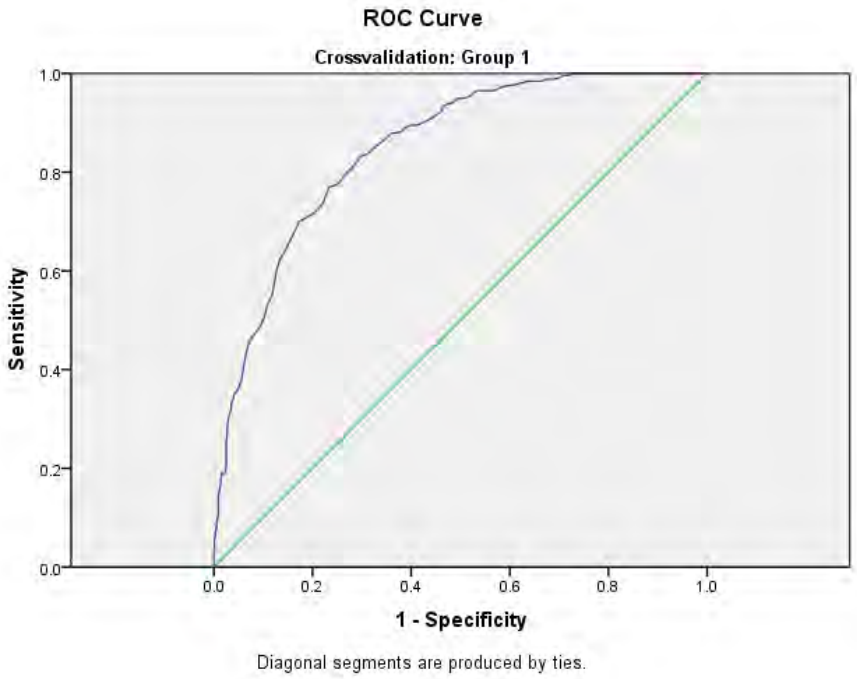
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group.

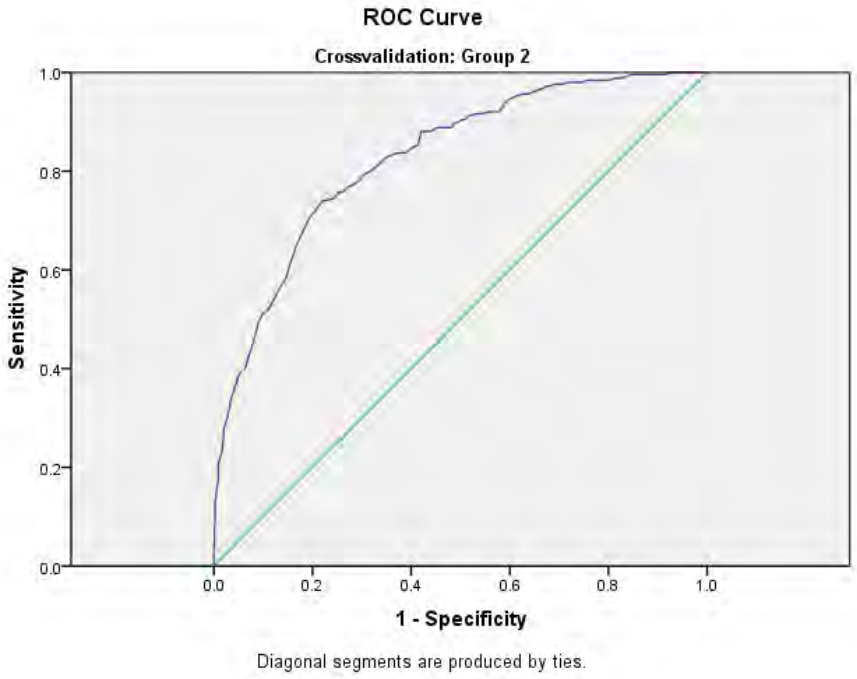
Area Under the Curve[c,d]

Test Result Variable(s):Fall09PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.849	.012	.000	.824	.873
Group 2	.827	.014	.000	.799	.856

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
17.00	.000	1.000	-	-
26.00	-	-	.000	1.000
28.00	-	-	.004	1.000
29.00	.004	1.000	-	-
30.50	-	-	.008	1.000
33.00	-	-	.012	1.000
37.50	-	-	.016	1.000
41.50	-	-	.020	1.000
44.00	-	-	.024	1.000
44.50	.008	1.000	-	-
47.50	-	-	.028	1.000
49.50	-	-	.032	1.000
50.00	.012	1.000	-	-
52.50	.016	1.000	.040	1.000
55.00	.019	1.000	-	-
55.50	-	-	.044	.999
57.00	-	-	.048	.999
58.00	.023	1.000	-	-
58.50	-	-	.052	.999
59.50	-	-	.056	.999
60.50	.027	1.000	.060	.999
61.50	.031	1.000	-	-
62.50	.035	1.000	-	-
63.50	.035	.999	.064	.999
65.00	.047	.999	-	-
66.50	-	-	.072	.999
68.50	.058	.999	-	-
70.50	-	-	.076	.999
71.50	.058	.998	-	-
73.50	.066	.998	-	-
74.50	-	-	.080	.999
75.50	.066	.997	-	-
76.00	-	-	.088	.998
76.50	.070	.997	-	-
77.50	.074	.997	-	-
78.00	-	-	.092	.998
79.50	.082	.995	.096	.998

Grade 7
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
80.50	-	-	.100	.998
81.50	.082	.994	.112	.998
82.50	.093	.994	.120	.998
83.50	.101	.992	.124	.998
84.50	.105	.991	.131	.998
85.50	.113	.991	.135	.996
86.50	.121	.991	.143	.996
87.50	.125	.991	.155	.994
88.50	.140	.991	.163	.993
89.50	.148	.991	.167	.992
90.50	.152	.990	.179	.991
91.50	.152	.989	.195	.991
92.50	.163	.987	.199	.991
93.50	.171	.986	-	-
94.50	-	-	.207	.991
94.50	.191	.984	-	-
95.50	.191	.982	.215	.989
96.50	.191	.976	.219	.988
97.50	.195	.976	.227	.985
98.50	.210	.975	.235	.983
99.50	.257	.975	.247	.982
100.50	-	-	.255	.981
101.00	.261	.974	-	-
101.50	-	-	.279	.980
102.50	.265	.974	.283	.979
103.50	.280	.973	.287	.978
104.50	-	-	.299	.973
105.00	.288	.973	.303	.972
106.50	.304	.970	.315	.971
107.50	.311	.968	.319	.967
108.50	.319	.965	.331	.967
109.50	.331	.965	.347	.963
110.50	.335	.965	.355	.960
111.50	.339	.961	.367	.957
112.50	.350	.959	.371	.953
113.50	.358	.952	.378	.953
114.50	.370	.948	.386	.949

Grade 7
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
115.50	.374	.946	.394	.945
116.50	.374	.945	.398	.937
117.50	.385	.943	.426	.929
118.50	.420	.937	.442	.924
119.50	.455	.929	.470	.916
120.50	.475	.916	.494	.910
121.50	.486	.906	.510	.901
122.50	.510	.896	.518	.891
123.50	.529	.893	.538	.880
124.50	.549	.883	.562	.867
125.50	.603	.872	.586	.853
126.50	.623	.867	.606	.847
127.50	.638	.857	.622	.843
128.50	.646	.853	.633	.838
129.50	.661	.846	.645	.835
130.50	.677	.838	.661	.827
131.50	.700	.827	.681	.818
132.50	.708	.812	.705	.807
133.50	.716	.799	.717	.796
134.50	.724	.791	.729	.789
135.50	.732	.784	.741	.778
136.50	.739	.778	.741	.769
137.50	.751	.774	.745	.757
138.50	.770	.766	.757	.748
139.50	.774	.751	.757	.740
140.50	.786	.740	.769	.727
141.50	.798	.732	.773	.717
142.50	.805	.723	**.781**	**.705**
143.50	.821	.710	.793	.696
144.50	**.833**	**.701**	.801	.682
145.50	.837	.690	.809	.672
146.50	.848	.676	.817	.661
147.50	.864	.657	.829	.649
148.50	.879	.640	.837	.630
149.50	.879	.631	.837	.624
150.50	.883	.618	.837	.612
151.50	.891	.611	.849	.597

Grade 7
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
152.50	.895	.602	.853	.586
153.50	.895	.588	.880	.579
154.50	.903	.571	.880	.560
155.50	.911	.556	.888	.548
156.50	.918	.545	.888	.533
157.50	.926	.537	.888	.519
158.50	.934	.535	.896	.512
159.50	.938	.527	.904	.496
160.50	.942	.513	.904	.490
161.50	.949	.506	.912	.484
162.50	.949	.501	.912	.481
163.50	.949	.493	.916	.469
164.50	.953	.482	.916	.458
165.50	.965	.468	.920	.443
166.50	.965	.461	.920	.434
167.50	.965	.458	.920	.422
168.50	.965	.452	.932	.414
169.50	.965	.432	.944	.404
170.50	.973	.416	.952	.388
171.50	.977	.397	.956	.373
172.50	.977	.391	.956	.364
173.50	.981	.379	.956	.362
174.50	.981	.374	.960	.353
175.50	.984	.365	.964	.344
176.50	.984	.357	.968	.332
177.50	.984	.347	.972	.327
178.50	.984	.334	.972	.318
179.50	.988	.327	.976	.312
180.50	.988	.309	.976	.297
181.50	.992	.298	.976	.291
182.50	.996	.292	.980	.282
183.50	.996	.285	.980	.278
184.50	.996	.279	.980	.272
185.50	1.000	.275	.980	.267
186.50	1.000	.267	.980	.260
187.50	1.000	.261	.980	.252
188.50	1.000	.257	.984	.245

Grade 7
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
189.50	1.000	.243	.984	.235
190.50	1.000	.235	.984	.232
191.50	1.000	.226	.984	.226
192.50	1.000	.221	.984	.220
193.50	1.000	.212	.984	.209
194.50	1.000	.206	.984	.199
195.50	1.000	.192	.988	.189
196.50	1.000	.182	.988	.187
197.50	1.000	.178	.988	.182
198.50	1.000	.172	.988	.171
199.50	1.000	.162	.992	.164
200.50	1.000	.151	.996	.154
201.50	1.000	.144	.996	.153
202.50	1.000	.132	.996	.145
203.50	1.000	.129	.996	.141
204.50	1.000	.123	.996	.133
205.50	1.000	.120	.996	.110
206.50	1.000	.108	.996	.099
207.50	-	-	.996	.096
208.00	1.000	.104	-	-
208.50	-	-	.996	.094
209.50	1.000	.099	.996	.092
210.50	1.000	.092	.996	.088
211.50	1.000	.086	.996	.082
212.50	1.000	.082	1.000	.078
213.50	1.000	.076	1.000	.075
214.50	1.000	.072	1.000	.073
215.50	1.000	.071	1.000	.070
216.50	1.000	.070	1.000	.067
217.50	1.000	.063	1.000	.064
218.50	1.000	.058	1.000	.061
219.50	1.000	.056	1.000	.060
220.50	-	-	1.000	.058
221.00	1.000	.048	-	-
221.50	-	-	1.000	.056
222.50	1.000	.043	1.000	.048
223.50	1.000	.041	1.000	.046

Grade 7
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
224.50	1.000	.038	1.000	.042
225.50	1.000	.034	1.000	.036
226.50	1.000	.026	1.000	.030
227.50	-	-	1.000	.027
228.50	1.000	.022	1.000	.026
229.50	-	-	1.000	.025
231.00	1.000	.021	1.000	.024
232.50	1.000	.019	-	-
233.50	1.000	.018	1.000	.019
234.50	1.000	.017	-	-
235.50	1.000	.016	-	-
236.50	1.000	.015	1.000	.017
238.50	1.000	.010	-	-
239.00	-	-	1.000	.016
240.50	1.000	.009	-	-
241.00	-	-	1.000	.013
241.50	1.000	.008	-	-
242.50	1.000	.007	1.000	.012
243.50	-	-	1.000	.010
244.00	1.000	.006	-	-
244.50	-	-	1.000	.009
245.50	-	-	1.000	.008
249.00	-	-	1.000	.007
249.50	1.000	.005	-	-
252.50	-	-	1.000	.004
253.50	-	-	1.000	.003
256.00	1.000	.003	1.000	.002
256.00	1.000	.003	-	-
258.50	1.000	.002	-	-
262.50	1.000	.001	-	-
267.00	1.000	.000	-	-
274.00	-	-	1.000	.001
291.00	-	-	1.000	.000

Grade 7
Fall MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	276
	Negative	1338
	Missing	186
Group 2	Positive[a]	280
	Negative	1311
	Missing	209

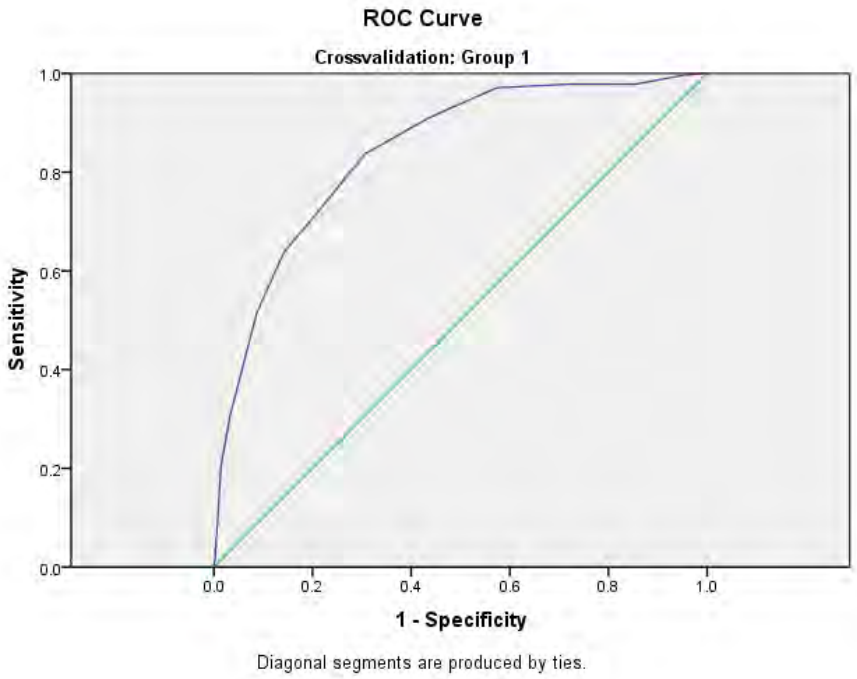
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group.

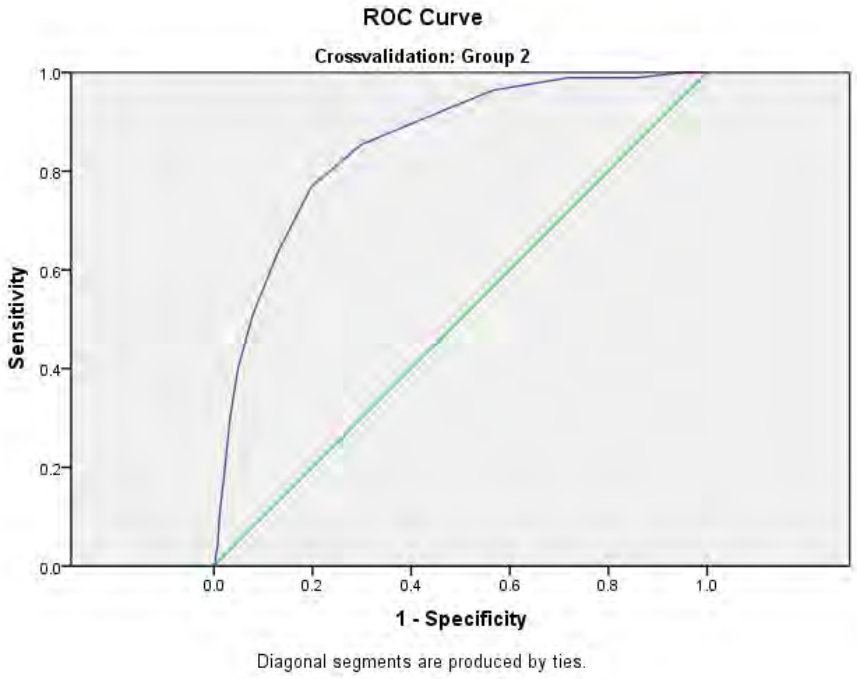
Area Under the Curve[c,d]

Test Result Variable(s):Fall09MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.842	.013	.000	.818	.867
Group 2	.854	.012	.000	.831	.877

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.011	.999	.004	.998
1.50	-	-	.004	.998
2.00	.011	.999	-	-
3.00	-	-	.011	.997
3.50	.022	.997	-	-
4.50	.047	.996	.021	.996
5.50	.080	.993	.036	.993
6.50	.130	.990	.111	.988
7.50	.203	.986	.182	.979
8.50	.304	.968	.300	.967
9.50	.402	.942	.400	.951
10.50	.514	.913	.511	.921
11.50	.638	.858	.639	.869
12.50	**.728**	**.782**	.768	.802
13.50	.837	.694	**.854**	**.702**
14.50	.909	.566	.907	.573
15.50	.971	.427	.964	.433
16.50	.978	.277	.989	.281
17.50	.978	.145	.989	.143
18.50	.996	.048	1.000	.047
19.50	1.000	.008	1.000	.004
21.00	1.000	.000	1.000	.000

Grade 7
Fall VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	138
	Negative	797
	Missing	865
Group 2	Positive[a]	138
	Negative	782
	Missing	880

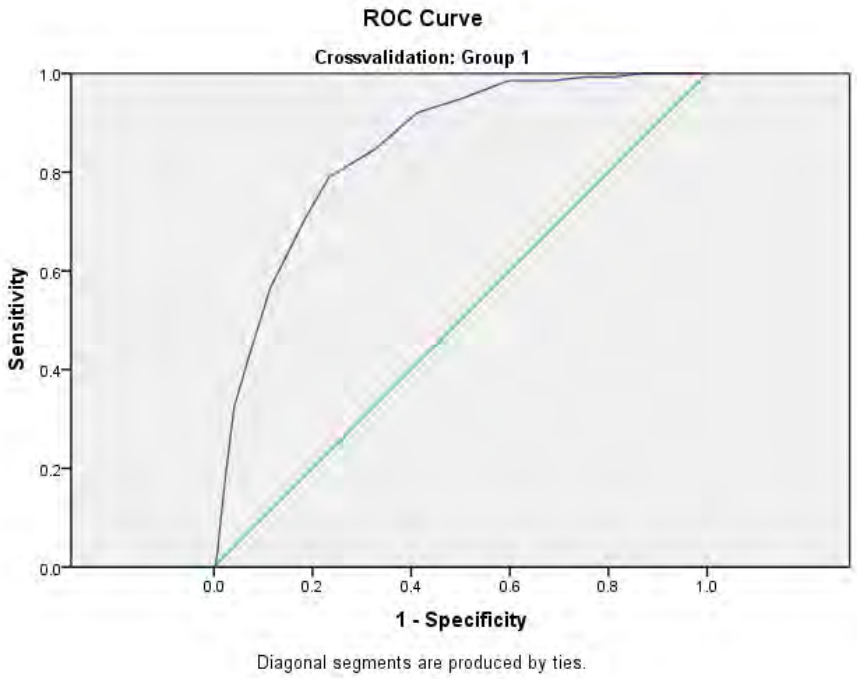
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group.

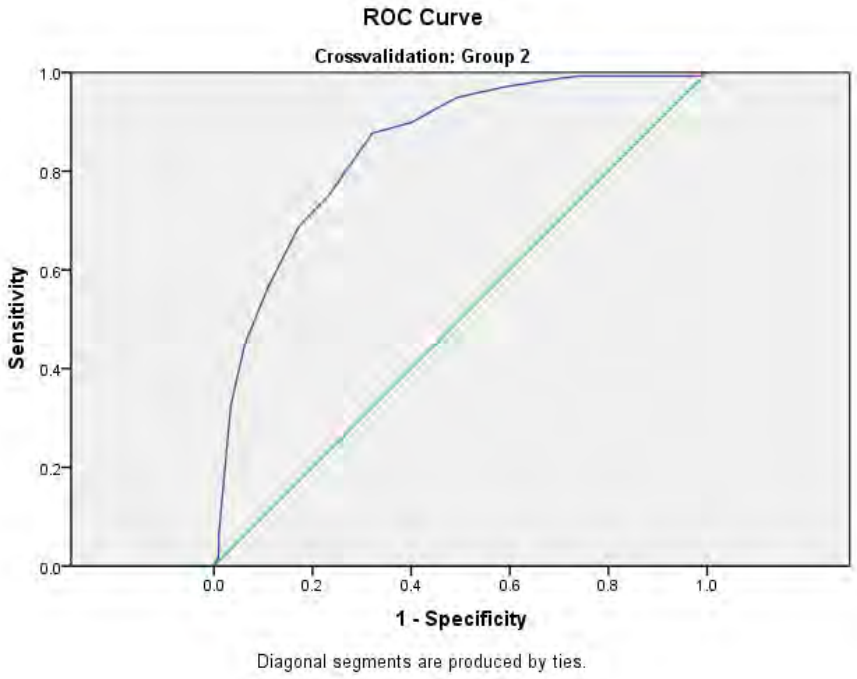
Area Under the Curve[c,d]

Test Result Variable(s):Fall09Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.848	.016	.000	.817	.879
Group 2	.849	.016	.000	.817	.881

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Fall09Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.014	.994
1.50	-	-	.014	.992
2.00	.000	.997	-	-
3.00	-	-	.014	.991
4.50	.014	.995	.051	.990
5.50	.022	.994	.065	.990
6.50	.094	.986	.109	.986
7.50	.196	.975	.232	.974
8.50	.326	.959	.326	.965
9.50	.428	.928	.449	.937
10.50	.565	.886	.565	.890
11.50	.703	.817	.688	.827
12.50	**.790**	**.767**	**.754**	**.765**
13.50	.848	.671	.877	.679
14.50	.920	.588	.899	.600
15.50	.949	.497	.949	.508
16.50	.986	.403	.971	.409
17.50	.986	.311	.986	.317
18.50	.993	.248	.993	.261
19.50	.993	.188	.993	.194
20.50	1.000	.133	.993	.139
21.50	1.000	.089	.993	.092
22.50	1.000	.049	.993	.054
23.50	1.000	.026	.993	.012
24.50	1.000	.010	1.000	.008
26.00	1.000	.000	1.000	.000

Grade 7
Winter PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	249
	Negative	889
	Missing	662
Group 2	Positive[a]	248
	Negative	900
	Missing	652

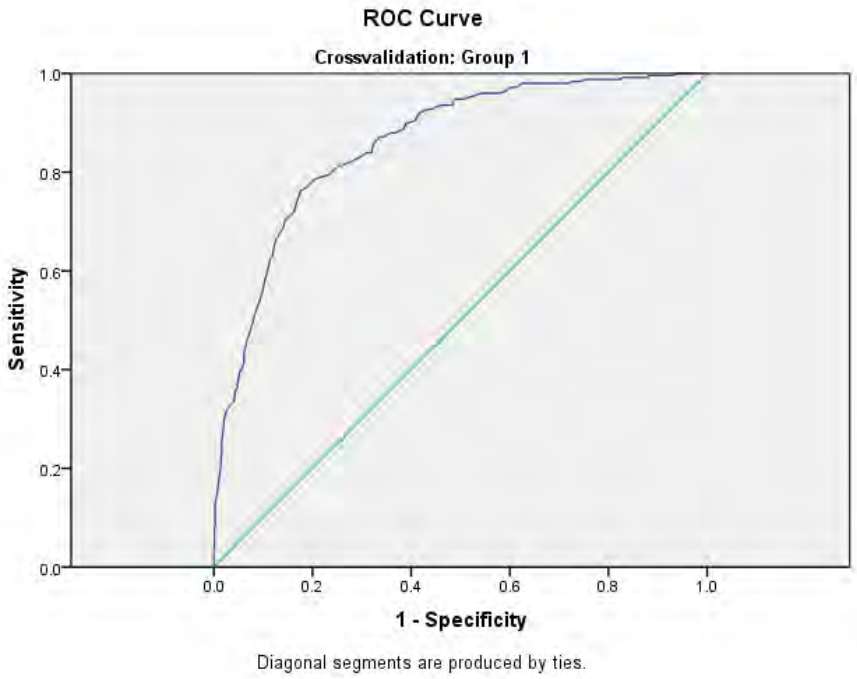
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group.

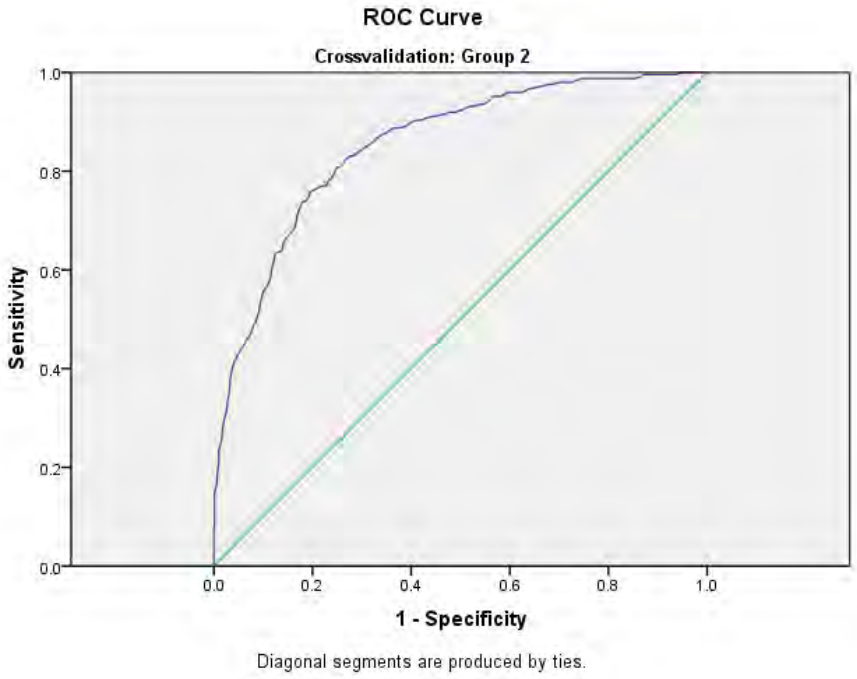
Area Under the Curve[c,d]

Test Result Variable(s):Wint10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.859	.013	.000	.834	.884
Group 2	.853	.013	.000	.827	.879

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
24.00	-	-	.000	1.000
29.50	-	-	.004	1.000
35.00	-	-	.008	1.000
37.00	-	-	.012	1.000
46.00	-	-	.016	1.000
53.00	.000	1.000	-	-
54.50	-	-	.020	1.000
55.00	.004	1.000	-	-
55.50	-	-	.024	1.000
56.50	-	-	.028	1.000
57.50	-	-	.032	1.000
59.50	.008	1.000	-	-
60.00	-	-	.036	1.000
63.00	-	-	.040	1.000
64.00	.028	1.000	-	-
66.50	.032	1.000	.052	1.000
68.00	-	-	.056	1.000
70.00	.036	1.000	.060	1.000
71.50	-	-	.065	1.000
73.50	-	-	.069	1.000
74.50	.040	.999	-	-
75.50	-	-	.077	1.000
76.50	-	-	.077	.999
77.50	.052	.999	-	-
78.00	-	-	.085	.999
78.50	.060	.999	-	-
79.50	.076	.999	-	-
81.00	.080	.999	.089	.999
83.00	.084	.998	-	-
83.50	-	-	.097	.999
84.50	-	-	.105	.999
85.00	.096	.998	-	-
85.50	-	-	.117	.999
86.50	.100	.998	-	-
87.00	-	-	.121	.999
88.00	.108	.998	-	-
89.00	-	-	.129	.999

Grade 7
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
89.50	.112	.998	-	-
90.50	.120	.998	-	-
91.50	.124	.998	.137	.999
92.50	.129	.998	-	-
93.50	.133	.997	-	-
94.50	.137	.996	.141	.999
96.00	.141	.996	-	-
96.50	-	-	.149	.999
97.50	.149	.993	.153	.998
98.50	.161	.992	.157	.997
99.50	.185	.989	.165	.994
100.50	.201	.987	.177	.993
101.50	.213	.985	.185	.993
102.50	.225	.985	.210	.990
103.50	.229	.984	.234	.990
104.50	.249	.984	.238	.989
105.50	.253	.984	.250	.986
106.50	.289	.980	.266	.983
107.50	.297	.980	.274	.983
108.50	.309	.978	.278	.982
109.50	.317	.974	.298	.979
110.50	.321	.972	.315	.974
111.50	.329	.965	.335	.972
112.50	.333	.962	.351	.969
113.50	.333	.961	.379	.967
114.50	.337	.958	.403	.962
115.50	.357	.957	.415	.959
116.50	.361	.953	.419	.956
117.50	.373	.952	-	-
118.00	-	-	.427	.952
118.50	.378	.951	-	-
119.50	.394	.948	.440	.946
120.50	.406	.942	.444	.942
121.50	.414	.939	.444	.941
122.50	.434	.939	.448	.939
123.50	.446	.936	.460	.933
124.50	.458	.934	.464	.929

Grade 7
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
125.50	.462	.931	.472	.926
126.50	.482	.926	.480	.922
127.50	.494	.921	.492	.918
128.50	.514	.917	.492	.916
129.50	.526	.912	.516	.909
130.50	.538	.908	.540	.904
131.50	.546	.906	.556	.900
132.50	.558	.901	.569	.891
133.50	.578	.898	.581	.886
134.50	.594	.893	.605	.882
135.50	.594	.892	.617	.879
136.50	.602	.891	.633	.876
137.50	.627	.885	.637	.867
138.50	.631	.881	.641	.861
139.50	.647	.879	.657	.859
140.50	.663	.875	.661	.856
141.50	.667	.872	.669	.849
142.50	.679	.865	.685	.836
143.50	.687	.859	.710	.831
144.50	.703	.856	.722	.828
145.50	.707	.850	.738	.820
146.50	.719	.838	.738	.816
147.50	.735	.834	.746	.809
148.50	.763	.823	.758	.804
149.50	.767	.816	.766	.789
150.50	.771	.810	.770	.781
151.50	.779	.803	.770	.772
152.50	.787	.793	.782	.767
153.50	.791	.778	.786	.761
154.50	.795	.766	.806	.751
155.50	.803	.758	.810	.741
156.50	.815	.746	.823	.733
157.50	.815	.736	.831	.724
158.50	.823	.718	.831	.718
159.50	**.831**	**.702**	**.839**	**.707**
160.50	.839	.691	.847	.696
161.50	.839	.685	.851	.689

Grade 7
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
162.50	.839	.681	.855	.683
163.50	.855	.677	.863	.673
164.50	.871	.664	.871	.664
165.50	.871	.654	.875	.657
166.50	.876	.649	.879	.649
167.50	.880	.641	.887	.638
168.50	.880	.631	.887	.626
169.50	.888	.616	.891	.610
170.50	.900	.610	.899	.600
171.50	.904	.593	.903	.590
172.50	.908	.591	.903	.579
173.50	.920	.584	.907	.572
174.50	.924	.576	.911	.556
175.50	.928	.565	.911	.550
176.50	.928	.557	.915	.536
177.50	.932	.550	.915	.530
178.50	.936	.541	.919	.526
179.50	.936	.532	.919	.512
180.50	.936	.524	.919	.509
181.50	.936	.515	.923	.502
182.50	.948	.512	.923	.496
183.50	.948	.506	.927	.491
184.50	.948	.494	.931	.481
185.50	.948	.492	.931	.471
186.50	.952	.484	.935	.462
187.50	.956	.470	.935	.451
188.50	.960	.460	.944	.441
189.50	.960	.452	.952	.436
190.50	.960	.445	.952	.427
191.50	.960	.436	.952	.417
192.50	.960	.422	.960	.404
193.50	.964	.408	.960	.394
194.50	.972	.400	.960	.384
195.50	.972	.398	.960	.378
196.50	.972	.391	.960	.376
197.50	.972	.387	.964	.367
198.50	.976	.381	.968	.359

Grade 7
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
199.50	.980	.377	.968	.353
200.50	.980	.367	.972	.340
201.50	.980	.354	.972	.333
202.50	.980	.342	.976	.323
203.50	.980	.332	.976	.313
204.50	.980	.307	.980	.301
205.50	.980	.301	.980	.298
206.50	.980	.295	.980	.294
207.50	.980	.286	.980	.280
208.50	.980	.280	-	-
209.00	-	-	.980	.273
209.50	.984	.274	-	-
210.50	.984	.267	.984	.267
211.50	.984	.255	.984	.264
212.50	.988	.247	.988	.256
213.50	.988	.244	.988	.253
214.50	.988	.242	.988	.248
215.50	.988	.238	.988	.241
216.50	.988	.233	.988	.232
217.50	.988	.223	.988	.228
218.50	.988	.216	.988	.218
219.50	.988	.205	.988	.199
220.50	.988	.184	.988	.183
221.50	.988	.180	.988	.181
222.50	.988	.178	.988	.168
223.50	.988	.175	.988	.159
224.50	.992	.171	.988	.153
225.50	.992	.168	.988	.151
226.50	.992	.163	.988	.148
227.50	.992	.156	.988	.143
228.50	.992	.150	.992	.134
229.50	.992	.148	.992	.133
230.50	.992	.143	.996	.131
231.50	.992	.128	.996	.123
232.50	.992	.121	.996	.114
233.50	.992	.119	.996	.108
234.50	.996	.119	.996	.101

Grade 7
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
235.50	.996	.117	.996	.098
236.50	.996	.115	.996	.097
237.50	.996	.108	.996	.094
238.50	.996	.106	.996	.093
239.50	.996	.102	.996	.089
240.50	.996	.099	.996	.086
241.50	.996	.096	.996	.083
242.50	.996	.092	.996	.078
243.50	.996	.089	.996	.076
244.50	.996	.087	.996	.071
245.50	.996	.081	.996	.066
246.50	.996	.071	.996	.064
247.50	.996	.067	.996	.060
249.00	1.000	.063	1.000	.057
250.50	1.000	.055	1.000	.052
251.50	1.000	.054	1.000	.051
252.50	1.000	.052	1.000	.050
253.50	1.000	.046	1.000	.047
254.50	-	-	1.000	.043
255.00	1.000	.045	-	-
255.50	-	-	1.000	.041
257.00	1.000	.037	1.000	.034
258.50	-	-	1.000	.032
259.00	1.000	.036	-	-
260.50	-	-	1.000	.031
261.00	1.000	.034	-	-
262.50	1.000	.030	1.000	.029
263.50	1.000	.027	1.000	.027
264.50	1.000	.025	1.000	.024
265.50	1.000	.024	1.000	.022
266.50	-	-	1.000	.021
267.00	1.000	.022	-	-
267.50	-	-	1.000	.020
269.00	-	-	1.000	.017
270.50	1.000	.020	-	-
272.00	-	-	1.000	.016
273.50	1.000	.019	-	-

Grade 7
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
274.50	-	-	1.000	.014
275.50	-	-	1.000	.013
276.50	-	-	1.000	.011
277.00	1.000	.017	-	-
277.50	-	-	1.000	.010
280.00	-	-	1.000	.008
281.50	1.000	.015	-	-
283.00	-	-	1.000	.006
283.50	1.000	.013	-	-
284.50	1.000	.010	-	-
286.50	1.000	.009	-	-
287.00	-	-	1.000	.003
289.00	1.000	.008	-	-
292.00	1.000	.006	-	-
295.50	-	-	1.000	.002
297.00	1.000	.004	-	-
300.50	1.000	.003	-	-
302.00	-	-	1.000	.000
309.00	1.000	.002	-	-
325.00	1.000	.001	-	-
334.00	1.000	.000	-	-

Grade 7
Winter MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	208
	Negative	819
	Missing	773
Group 2	Positive[a]	212
	Negative	811
	Missing	777

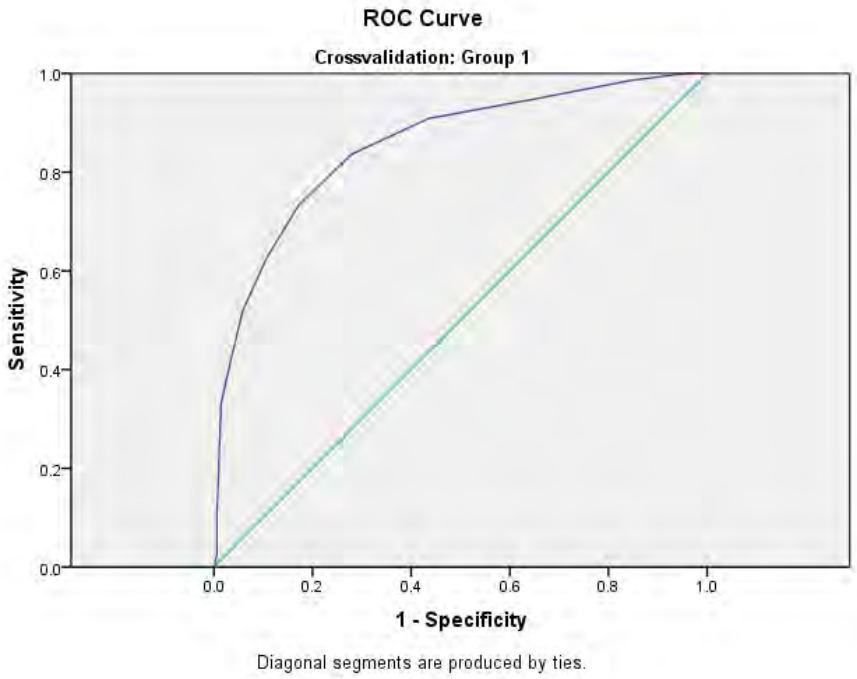
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group.

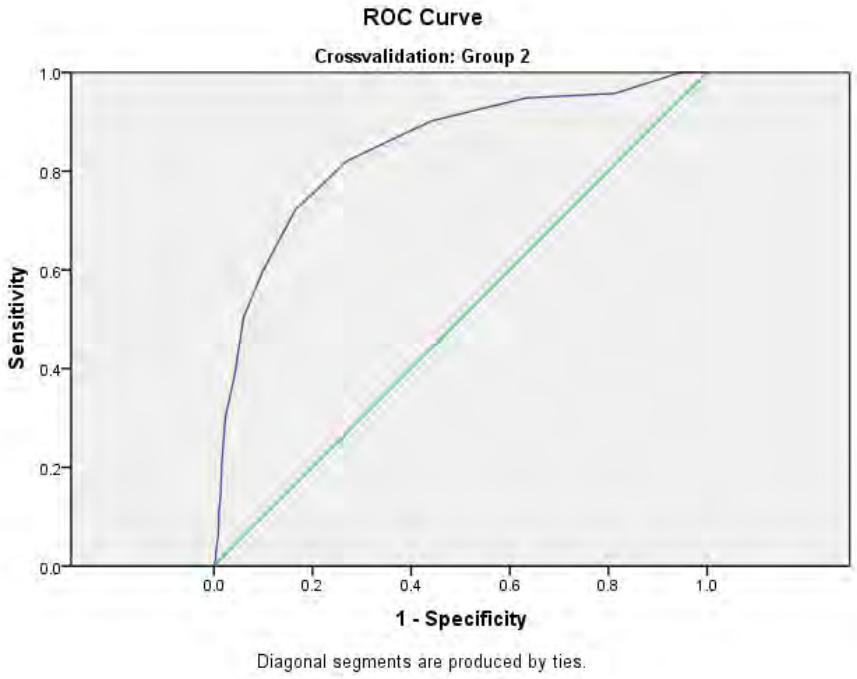
Area Under the Curve[c,d]

Test Result Variable(s):Wint10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.855	.015	.000	.825	.885
Group 2	.844	.016	.000	.813	.875

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Wint10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.019	.995	-	-
1.50	.024	.994	.014	.996
3.00	.029	.994	.024	.996
4.50	.048	.994	.047	.994
5.50	.072	.994	.057	.991
6.50	.111	.994	.104	.990
7.50	.163	.991	.146	.986
8.50	.236	.989	.208	.984
9.50	.332	.985	.302	.977
10.50	.413	.967	.387	.958
11.50	.519	.941	.505	.940
12.50	.625	.894	.599	.900
13.50	.736	.827	.722	.835
14.50	**.837**	**.720**	**.821**	**.730**
15.50	.909	.565	.901	.561
16.50	.947	.355	.948	.369
17.50	.986	.156	.958	.186
18.50	1.000	.043	1.000	.054
19.50	1.000	.005	1.000	.002
21.00	1.000	.000	1.000	.000

Grade 7
Spring PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	285
	Negative	918
	Missing	597
Group 2	Positive[a]	286
	Negative	910
	Missing	604

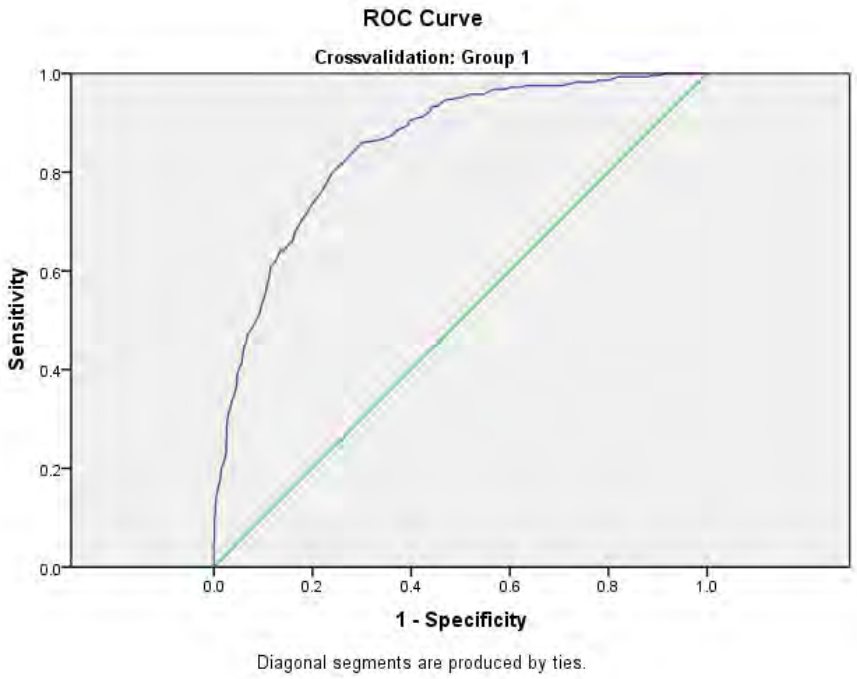
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group.

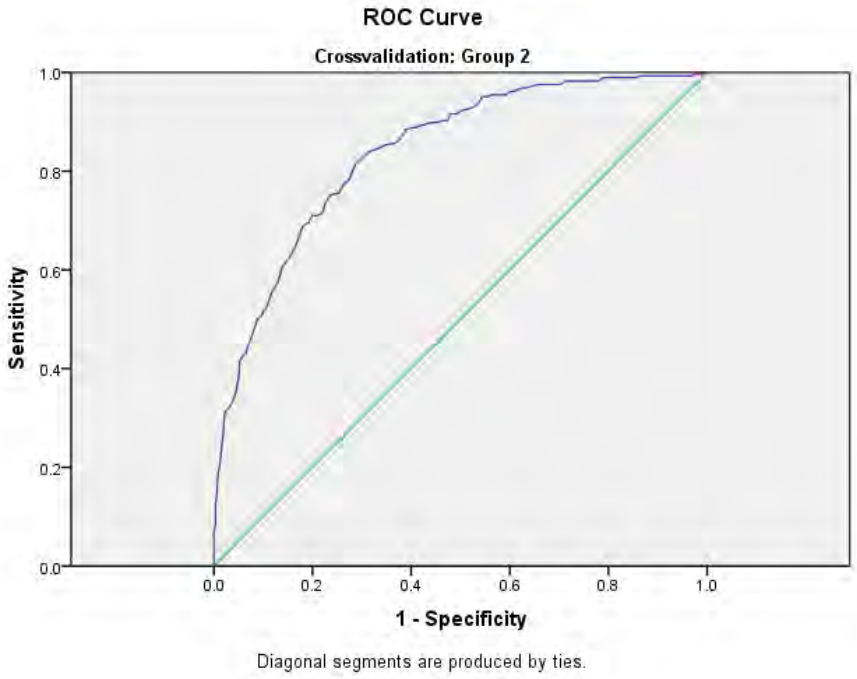
Area Under the Curve[c,d]

Test Result Variable(s):Spr10PRF

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.854	.012	.000	.830	.878
Group 2	.839	.013	.000	.813	.864

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10PRF has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	-	-	.000	1.000
13.50	-	-	.003	1.000
28.00	-	-	.007	1.000
31.00	-	-	.010	1.000
33.50	-	-	.014	1.000
34.00	.000	1.000	-	-
35.50	-	-	.017	1.000
38.00	-	-	.021	1.000
39.00	.004	1.000	-	-
40.00	-	-	.024	1.000
41.50	-	-	.028	1.000
42.50	-	-	.031	1.000
44.50	.007	1.000	-	-
46.00	-	-	.035	1.000
46.50	.014	1.000	-	-
48.50	.025	1.000	-	-
50.00	-	-	.038	1.000
50.50	.028	1.000	-	-
52.00	.032	1.000	-	-
52.50	-	-	.042	1.000
54.50	-	-	.049	1.000
55.00	.035	1.000	-	-
55.50	-	-	.052	1.000
57.50	-	-	.056	1.000
58.00	.039	1.000	-	-
60.00	.049	1.000	-	-
61.50	.049	.999	-	-
62.00	-	-	.059	1.000
63.50	.053	.999	-	-
66.00	-	-	.066	1.000
67.50	.056	.999	-	-
68.00	-	-	.073	1.000
70.00	-	-	.073	.999
72.00	.060	.999	.077	.999
73.50	-	-	.077	.998
74.50	.063	.999	.080	.997
75.50	.070	.999	-	-

Grade 7
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
76.00	-	-	.094	.997
76.50	.084	.999	-	-
77.50	-	-	.098	.997
78.00	.091	.999	-	-
78.50	-	-	.101	.997
79.50	-	-	.105	.997
80.00	.095	.999	-	-
80.50	-	-	.108	.997
81.50	.105	.998	.112	.997
82.50	-	-	.119	.997
83.00	.112	.997	-	-
83.50	-	-	.126	.997
84.50	.116	.997	.133	.996
85.50	.119	.997	.136	.996
86.50	.123	.997	.140	.995
87.50	.126	.997	.157	.993
88.50	.137	.996	.164	.993
90.00	.140	.996	.171	.992
91.50	.161	.991	.178	.992
92.50	.172	.988	.189	.991
93.50	.175	.988	.196	.990
94.50	.179	.987	.203	.988
95.50	.189	.986	.217	.987
96.50	.204	.985	.227	.986
97.50	.207	.981	.248	.984
98.50	.218	.978	.255	.982
99.50	.232	.975	.269	.981
100.50	.249	.975	.283	.980
101.50	.263	.974	.311	.978
102.50	.288	.974	.315	.976
103.50	.312	.971	.322	.968
104.50	.323	.966	.332	.963
105.50	.337	.964	.343	.958
106.50	.344	.961	.360	.954
107.50	.347	.959	.371	.953
108.50	.358	.956	-	-
109.00	-	-	.371	.952

Grade 7
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
109.50	.372	.953	-	-
110.50	.389	.953	.385	.949
111.50	.404	.949	.399	.948
112.50	.407	.947	.413	.948
113.50	.411	.943	.427	.942
114.50	.414	.943	.430	.937
115.50	.432	.941	.430	.934
116.50	.449	.938	.441	.933
117.50	.456	.935	.444	.932
118.50	.460	.934	.455	.927
119.50	.470	.932	.472	.921
120.50	.481	.925	.479	.919
121.50	.491	.918	.500	.912
122.50	.505	.912	.507	.903
123.50	.512	.907	.507	.902
124.50	.530	.904	.517	.900
125.50	.544	.899	.521	.895
126.50	.558	.894	.538	.888
127.50	.568	.893	.556	.882
128.50	.582	.889	.563	.877
129.50	.589	.888	.570	.874
130.50	.611	.885	.573	.870
131.50	.614	.879	.587	.867
132.50	.625	.873	.605	.862
133.50	.642	.865	.615	.855
134.50	.642	.858	.626	.846
135.50	.646	.854	.643	.836
136.50	.656	.846	.671	.826
137.50	.660	.840	.689	.820
138.50	.677	.837	.696	.809
139.50	.684	.832	.703	.804
140.50	.705	.820	.710	.800
141.50	.716	.813	.710	.791
142.50	.726	.806	.713	.782
143.50	.740	.797	.720	.778
144.50	.758	.783	.734	.775
145.50	.779	.771	.752	.764

Grade 7
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
146.50	.796	.761	.755	.747
147.50	.804	.756	.769	.738
148.50	.807	.751	.776	.734
149.50	.818	.741	.783	.725
150.50	.828	.729	.815	.713
151.50	.842	.718	**.825**	**.702**
152.50	**.860**	**.700**	.839	.687
153.50	.863	.675	.846	.666
154.50	.867	.660	.853	.653
155.50	.870	.650	.857	.632
156.50	.874	.639	.867	.621
157.50	.884	.631	.885	.611
158.50	.891	.614	.888	.598
159.50	.895	.609	.888	.590
160.50	.905	.601	.892	.585
161.50	.909	.592	.895	.570
162.50	.912	.576	.899	.562
163.50	.923	.563	.899	.546
164.50	.933	.557	.902	.537
165.50	.933	.547	.902	.530
166.50	.940	.540	.902	.526
167.50	.947	.527	.916	.521
168.50	.947	.514	.916	.508
169.50	.951	.509	.923	.498
170.50	.951	.498	.927	.484
171.50	.954	.489	.930	.473
172.50	.958	.483	.937	.465
173.50	.958	.473	.944	.459
174.50	.958	.468	.951	.456
175.50	.958	.458	.951	.447
176.50	.958	.450	.951	.443
177.50	.961	.447	.955	.438
178.50	.965	.441	.955	.437
179.50	.968	.429	.955	.422
180.50	.968	.420	.955	.411
181.50	.968	.415	.955	.408
182.50	.968	.413	.958	.403

Grade 7
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
183.50	.968	.406	.962	.399
184.50	.972	.399	.962	.397
185.50	.972	.388	.962	.391
186.50	.972	.377	.965	.385
187.50	.975	.368	.969	.376
188.50	.975	.362	.969	.368
189.50	.975	.343	.972	.356
190.50	.975	.326	.976	.343
191.50	.975	.315	.976	.331
192.50	.975	.301	.976	.314
193.50	.975	.291	.976	.307
194.50	.979	.282	.976	.297
195.50	.979	.277	.983	.288
196.50	.982	.267	.983	.275
197.50	.982	.258	.983	.268
198.50	.982	.251	.983	.262
199.50	.982	.240	.983	.244
200.50	.982	.230	.983	.225
201.50	.982	.227	.983	.223
202.50	.986	.223	.983	.220
203.50	.986	.220	.990	.211
204.50	.986	.214	.990	.208
205.50	.986	.206	.990	.200
206.50	.986	.199	.990	.188
207.50	.989	.192	.990	.177
208.50	.993	.182	.990	.168
209.50	.993	.175	.990	.167
210.50	.993	.174	.990	.166
211.50	.993	.169	.990	.157
212.50	.993	.159	.990	.146
213.50	.993	.144	.993	.135
214.50	.993	.143	.993	.133
215.50	.993	.133	-	-
216.00	-	-	.993	.131
216.50	.993	.125	-	-
217.50	.993	.119	.993	.124
218.50	.996	.113	.993	.118

Grade 7
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
219.50	.996	.110	.993	.114
220.50	.996	.108	.993	.109
221.50	.996	.105	.993	.104
222.50	.996	.102	-	-
223.00	-	-	.993	.103
223.50	.996	.099	-	-
224.50	.996	.095	.993	.101
225.50	.996	.093	.993	.097
226.50	1.000	.087	-	-
227.00	-	-	.993	.086
227.50	1.000	.084	-	-
228.50	1.000	.074	.993	.079
229.50	1.000	.066	.993	.071
230.50	1.000	.064	.993	.067
231.50	1.000	.061	.993	.055
232.50	1.000	.060	.993	.053
233.50	1.000	.058	.993	.043
234.50	1.000	.053	.993	.041
235.50	-	-	.993	.035
236.50	-	-	.993	.033
237.00	1.000	.047	-	-
238.00	-	-	.993	.031
239.50	1.000	.046	.997	.030
240.50	1.000	.042	.997	.025
241.50	1.000	.041	.997	.023
242.50	1.000	.034	-	-
243.00	-	-	.997	.020
244.50	1.000	.032	-	-
245.00	-	-	.997	.019
246.50	1.000	.028	.997	.018
247.50	1.000	.027	-	-
248.00	-	-	.997	.016
249.00	1.000	.025	-	-
249.50	-	-	.997	.015
250.50	1.000	.024	.997	.013
251.50	1.000	.020	.997	.012
252.50	1.000	.017	-	-

Grade 7
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
253.00	-	-	.997	.011
253.50	1.000	.016	-	-
254.50	1.000	.013	.997	.010
255.50	1.000	.012	1.000	.010
256.50	1.000	.011	1.000	.009
258.50	-	-	1.000	.007
260.00	1.000	.010	-	-
263.50	-	-	1.000	.004
264.00	1.000	.009	-	-
267.50	1.000	.008	-	-
269.50	-	-	1.000	.003
272.00	1.000	.007	-	-
273.00	-	-	1.000	.002
275.50	1.000	.004	-	-
278.50	1.000	.003	-	-
282.50	1.000	.002	-	-
285.50	-	-	1.000	.001
288.50	1.000	.001	-	-
293.00	1.000	.000	-	-
298.00	-	-	1.000	.000

Grade 7
Spring MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	290
	Negative	1350
	Missing	160
Group 2	Positive[a]	288
	Negative	1322
	Missing	190

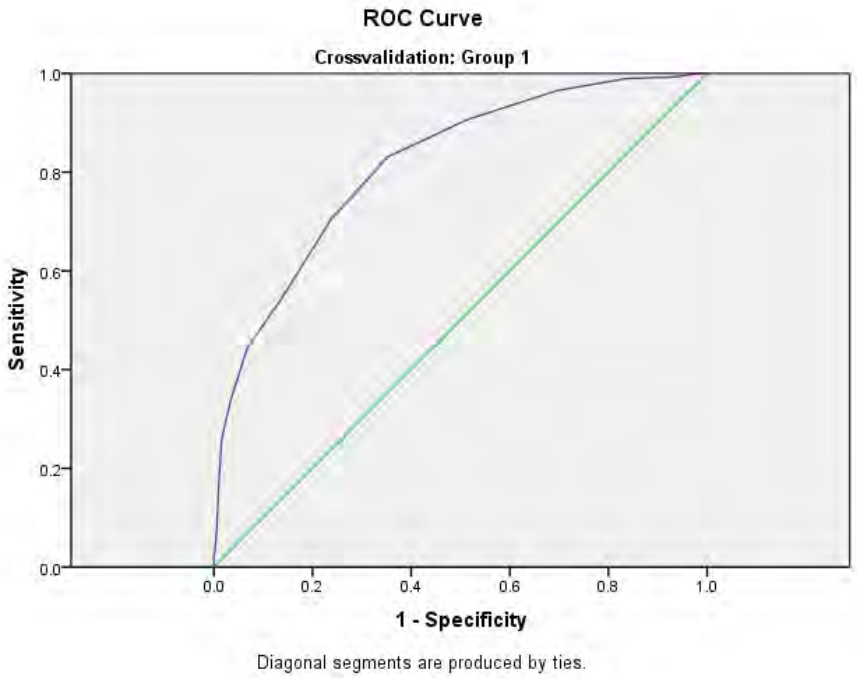
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group.

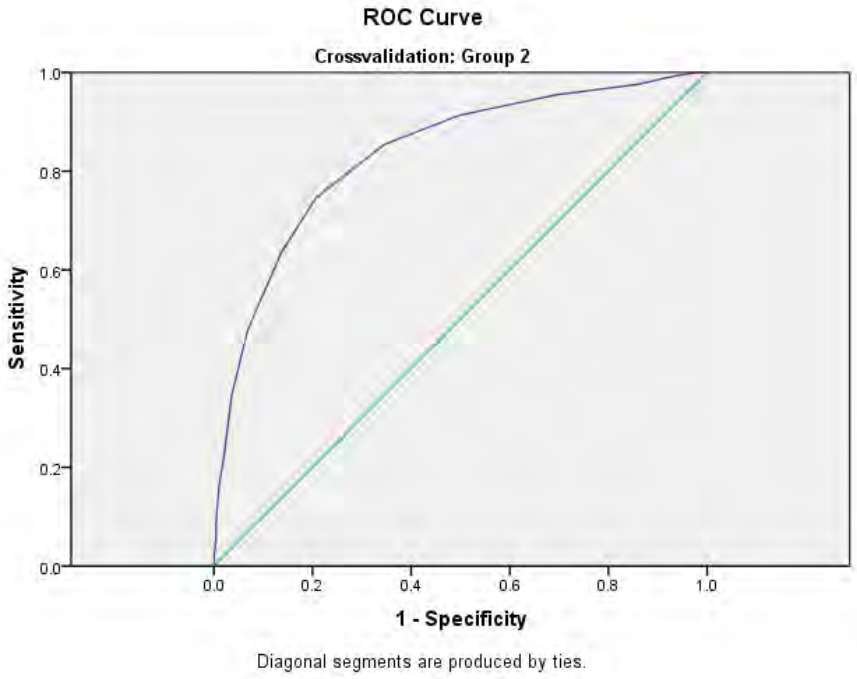
Area Under the Curve[c,d]

Test Result Variable(s):Spr10MCRC

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.816	.014	.000	.790	.843
Group 2	.835	.014	.000	.808	.861

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10MCRC has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.017	1.000	.024	.999
1.50	.021	1.000	.028	.998
2.50	.024	1.000	.035	.998
3.50	.024	.999	.038	.997
4.50	.031	.998	.052	.996
5.50	.079	.994	.101	.995
6.50	.148	.991	.163	.989
7.50	.259	.984	.222	.980
8.50	.338	.966	.347	.964
9.50	.445	.932	.479	.931
10.50	.548	.860	.635	.863
11.50	**.703**	**.763**	**.747**	**.793**
12.50	.831	.647	.854	.654
13.50	.907	.485	.913	.502
14.50	.966	.303	.955	.305
15.50	.990	.164	.976	.141
16.50	.993	.065	.993	.064
17.50	1.000	.017	1.000	.020
18.50	1.000	.001	1.000	.005
20.00	1.000	.000	1.000	.001
21.00	-	-	1.000	.000

Grade 7
Spring VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	133
	Negative	780
	Missing	887
Group 2	Positive[a]	135
	Negative	754
	Missing	911

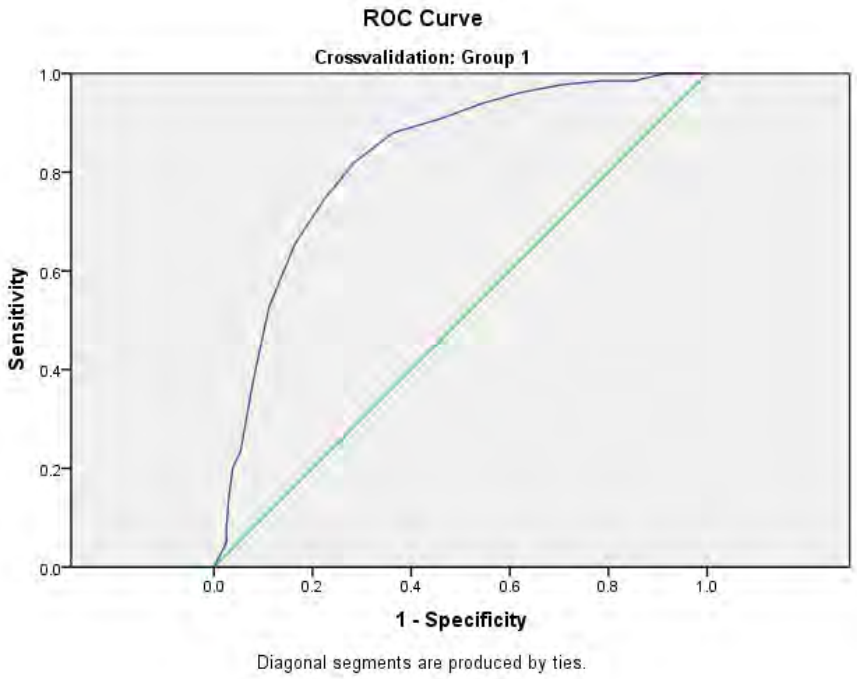
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group.

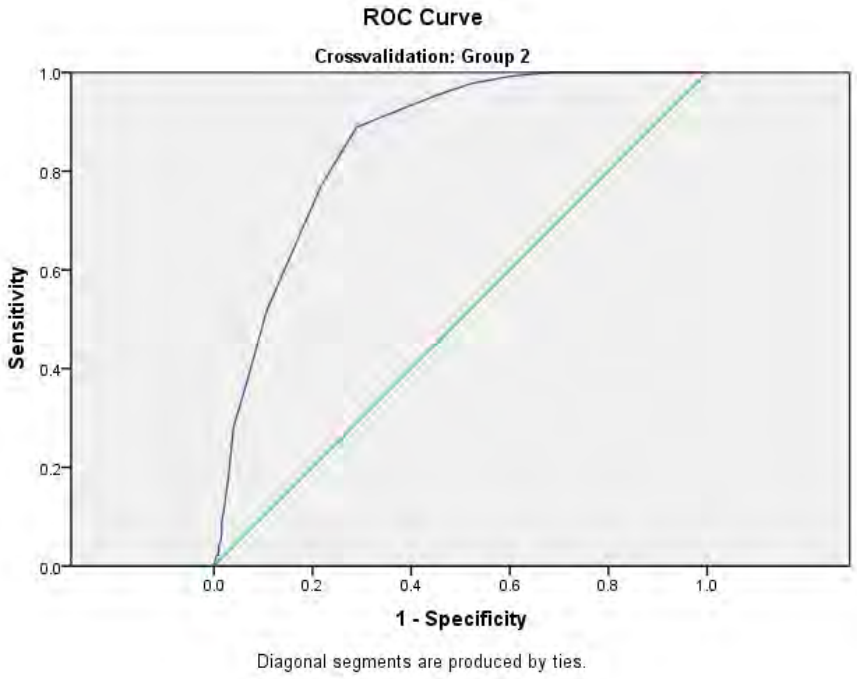
Area Under the Curve[c,d]

Test Result Variable(s):Spr10Voc

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.826	.018	.000	.791	.861
Group 2	.856	.014	.000	.828	.884

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): Spr10Voc has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 7
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.045	.977	.022	.995
2.50	.045	.976	.022	.991
3.50	-	-	.030	.991
4.50	.053	.974	.044	.989
5.50	.068	.974	.052	.985
6.50	.083	.974	.089	.984
7.50	.135	.971	.111	.980
8.50	.203	.962	.178	.971
9.50	.233	.946	.281	.960
10.50	.376	.921	.370	.934
11.50	.526	.888	.519	.893
12.50	.654	.836	.637	.841
13.50	.744	.777	.770	.782
14.50	**.820**	**.715**	**.889**	**.711**
15.50	.880	.637	.919	.638
16.50	.910	.536	.956	.544
17.50	.940	.455	.978	.477
18.50	.962	.373	.993	.397
19.50	.977	.292	1.000	.316
20.50	.985	.217	1.000	.241
21.50	.985	.149	1.000	.164
22.50	1.000	.085	1.000	.103
23.50	1.000	.045	1.000	.041
24.50	1.000	.017	1.000	.023
26.00	1.000	.000	1.000	.000

Grade 8
Fall PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	388
	Negative	765
	Missing	721
Group 2	Positive[a]	400
	Negative	741
	Missing	734

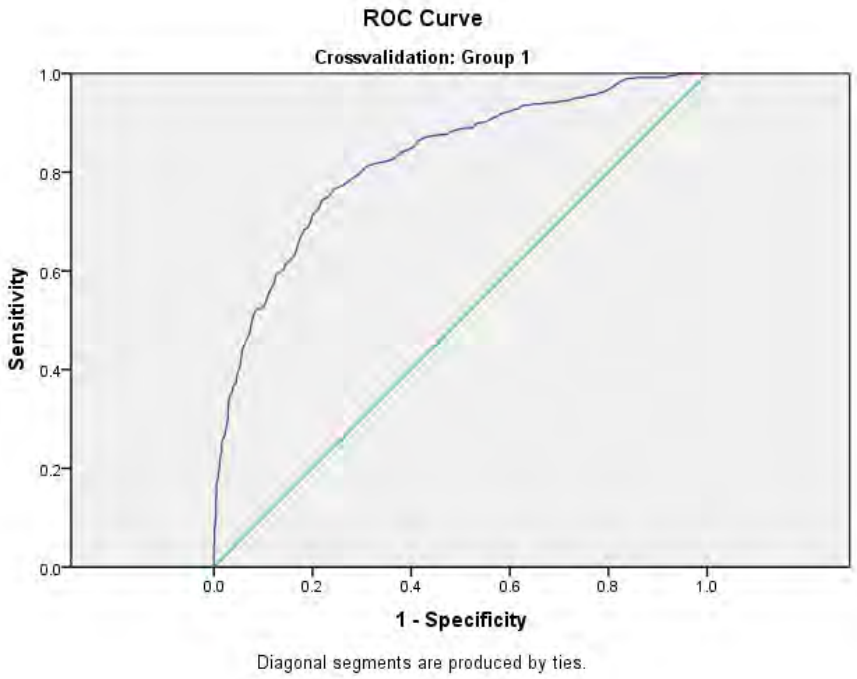
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Passage Reading Fluency Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group.

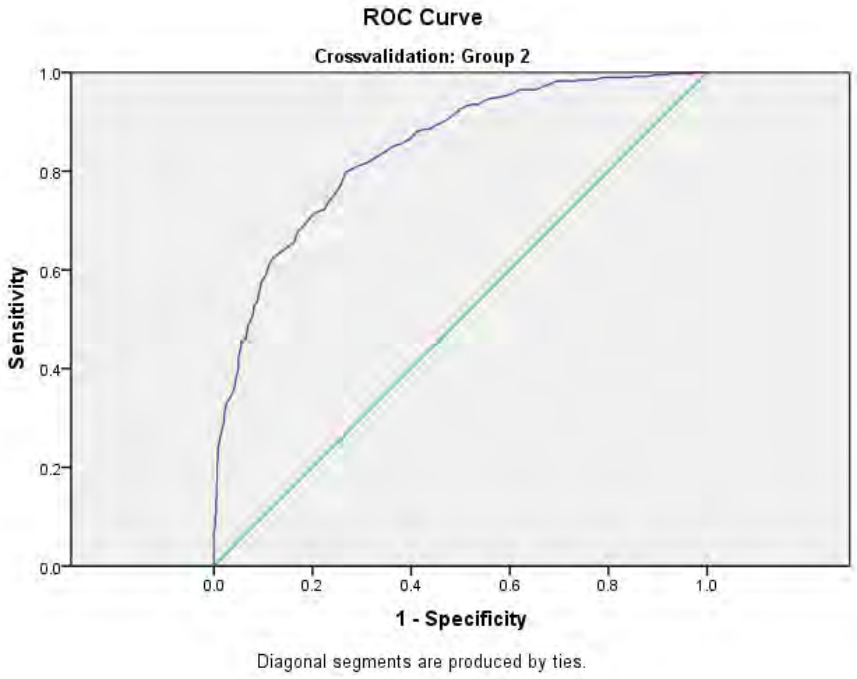
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Passage Reading Fluency Score Grade 8 Fall

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.824	.013	.000	.798	.850
Group 2	.843	.012	.000	.820	.867

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Passage Reading Fluency Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Passage Reading Fluency Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
7.00	.000	1.000	-	-
15.00	-	-	.000	1.000
17.50	.003	1.000	-	-
19.50	-	-	.002	1.000
28.00	-	-	.005	1.000
32.50	.008	1.000	-	-
34.50	-	-	.010	1.000
39.50	-	-	.013	1.000
43.00	.013	1.000	-	-
43.50	-	-	.015	1.000
46.00	-	-	.018	1.000
48.50	.015	1.000	.020	1.000
49.50	-	-	.025	1.000
50.00	.018	1.000	-	-
50.50	-	-	.030	1.000
51.50	-	-	.033	1.000
52.00	.023	1.000	-	-
54.00	.028	1.000	-	-
54.50	-	-	.038	1.000
56.00	.031	1.000	-	-
58.00	-	-	.040	1.000
59.50	.034	1.000	.045	1.000
61.50	-	-	.048	1.000
62.50	.036	1.000	-	-
63.50	.039	1.000	.050	1.000
65.50	.044	1.000	-	-
66.00	-	-	.055	1.000
68.50	.046	.999	-	-
69.00	-	-	.058	1.000
71.00	.052	.999	-	-
71.50	-	-	.060	1.000
73.00	.054	.999	-	-
74.00	-	-	.063	1.000
74.50	.057	.999	-	-
75.50	.059	.999	.068	1.000
76.50	.062	.999	.070	1.000
77.50	.064	.999	-	-

Grade 8
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
78.50	-	-	.073	1.000
79.50	.070	.999	-	-
80.50	-	-	.075	.999
81.50	.072	.999	.080	.997
82.50	.075	.999	.083	.997
83.50	-	-	.085	.997
85.00	.077	.999	.095	.997
86.50	-	-	.103	.997
87.50	.080	.999	.103	.996
89.00	.082	.999	.108	.996
90.50	-	-	.110	.996
91.00	.082	.997	-	-
91.50	-	-	.113	.996
92.50	-	-	.115	.996
93.50	.085	.997	.118	.996
95.00	-	-	.123	.996
95.50	.090	.997	-	-
96.50	-	-	.125	.996
97.00	.095	.997	-	-
97.50	-	-	.133	.996
98.50	.098	.996	-	-
99.00	-	-	.135	.995
99.50	.101	.996	-	-
100.50	.106	.996	.140	.995
101.50	.111	.996	.143	.995
102.50	.121	.996	-	-
103.00	-	-	.150	.995
104.00	.126	.996	-	-
104.50	-	-	.158	.995
105.50	.134	.996	.165	.995
106.50	.144	.995	.178	.993
107.50	.155	.995	.188	.993
108.50	.162	.995	.198	.993
109.50	.170	.995	.208	.993
110.50	.183	.991	.218	.992
111.50	.188	.991	.228	.992
112.50	.191	.991	.235	.992

Grade 8
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
113.50	.196	.990	.245	.991
114.50	.206	.988	.250	.989
115.50	.211	.988	.258	.988
116.50	.214	.988	.265	.987
117.50	.224	.987	.268	.985
118.50	.235	.984	.275	.984
119.50	.253	.984	.280	.982
120.50	.268	.978	.290	.980
121.50	.281	.975	.313	.978
122.50	.302	.971	.330	.974
123.50	.320	.971	.343	.966
124.50	.335	.970	.358	.960
125.50	.345	.969	.368	.957
126.50	.353	.963	.373	.957
127.50	.366	.961	.388	.954
128.50	.369	.959	.395	.951
129.50	.374	.954	.405	.950
130.50	.384	.954	.423	.950
131.50	.399	.950	.425	.950
132.50	.407	.946	.445	.945
133.50	.420	.945	.455	.945
134.50	.441	.942	.458	.939
135.50	.456	.936	.460	.935
136.50	.472	.928	.478	.933
137.50	.500	.923	.490	.930
138.50	.518	.916	.500	.924
139.50	.521	.915	.510	.920
140.50	.523	.910	.528	.919
141.50	.526	.901	.533	.914
142.50	.531	.897	.540	.911
143.50	.552	.890	.550	.910
144.50	.564	.884	.565	.906
145.50	.577	.877	.575	.904
146.50	.593	.875	.590	.895
147.50	.603	.858	.603	.891
148.50	.613	.856	.615	.887
149.50	.619	.847	.625	.880

Grade 8
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
150.50	.631	.837	.633	.869
151.50	.657	.829	.643	.856
152.50	.670	.824	.650	.846
153.50	.683	.817	.655	.838
154.50	.688	.809	.678	.830
155.50	.704	.803	.685	.822
156.50	.714	.800	.698	.811
157.50	.727	.787	.708	.803
158.50	.742	.782	.718	.791
159.50	.750	.769	.723	.776
160.50	.755	.763	.738	.768
161.50	.765	.757	.753	.756
162.50	.771	.744	.768	.745
163.50	.778	.731	.798	.733
164.50	.789	.718	.805	.719
165.50	**.796**	**.706**	**.813**	**.703**
166.50	.812	.690	.818	.688
167.50	.817	.675	.825	.676
168.50	.822	.651	.838	.656
169.50	.825	.639	.840	.652
170.50	.835	.625	.850	.637
171.50	.840	.620	.853	.632
172.50	.843	.613	.855	.621
173.50	.845	.607	.868	.599
174.50	.851	.596	.880	.590
175.50	.863	.586	.885	.574
176.50	.871	.571	.885	.563
177.50	.874	.557	.893	.551
178.50	.876	.536	.900	.534
179.50	.876	.525	.903	.529
180.50	.881	.522	.910	.520
181.50	.884	.515	.915	.514
182.50	.887	.505	.920	.506
183.50	.889	.492	.928	.499
184.50	.889	.482	.930	.493
185.50	.889	.476	.933	.487
186.50	.899	.467	.935	.480

Grade 8
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
187.50	.902	.448	.935	.471
188.50	.905	.444	.935	.463
189.50	.910	.433	.940	.457
190.50	.912	.429	.945	.447
191.50	.912	.426	.948	.437
192.50	.918	.420	.950	.422
193.50	.920	.412	.953	.408
194.50	.925	.395	.958	.394
195.50	.928	.388	.960	.389
196.50	.928	.383	.965	.382
197.50	.933	.378	.965	.368
198.50	.936	.373	.965	.355
199.50	.936	.363	.965	.347
200.50	.938	.352	.968	.341
201.50	.938	.336	.975	.324
202.50	.941	.325	.978	.317
203.50	.941	.311	.980	.312
204.50	.943	.298	.983	.305
205.50	.946	.278	.983	.297
206.50	.948	.272	.983	.294
207.50	.951	.267	.983	.289
208.50	.951	.261	.983	.279
209.50	.951	.252	.983	.267
210.50	.954	.246	.983	.265
211.50	.956	.241	.985	.262
212.50	.956	.233	.985	.259
213.50	.956	.229	.985	.254
214.50	.961	.216	.985	.244
215.50	.964	.207	.985	.229
216.50	.972	.193	.990	.209
217.50	.977	.186	.990	.205
218.50	.985	.174	.990	.192
219.50	.987	.169	.990	.184
220.50	.990	.163	.990	.182
221.50	.990	.162	.990	.179
222.50	.990	.153	.990	.167
223.50	.992	.141	.990	.151

Grade 8
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
224.50	.992	.136	.993	.148
225.50	.992	.131	.993	.139
226.50	.992	.124	.993	.134
227.50	.992	.118	.993	.128
228.50	.992	.115	.993	.126
229.50	-	-	.993	.124
230.00	.992	.111	-	-
230.50	-	-	.993	.123
231.50	.992	.107	.993	.115
232.50	.992	.101	.995	.107
233.50	.992	.084	.995	.096
234.50	.992	.081	.995	.094
235.50	.995	.078	.995	.088
236.50	.995	.075	.995	.081
237.50	-	-	.995	.078
238.50	-	-	.998	.078
239.00	.995	.073	-	-
239.50	-	-	.998	.074
240.50	-	-	.998	.073
241.50	.995	.071	.998	.070
242.50	.997	.061	.998	.067
243.50	1.000	.058	.998	.065
245.00	-	-	.998	.059
245.50	1.000	.054	-	-
247.50	1.000	.048	-	-
248.00	-	-	.998	.054
248.50	1.000	.043	-	-
249.50	1.000	.042	-	-
251.00	1.000	.037	.998	.051
252.00	-	-	.998	.047
253.00	1.000	.035	-	-
253.50	-	-	.998	.043
254.50	1.000	.029	.998	.038
255.50	1.000	.027	.998	.034
256.50	1.000	.025	-	-
257.00	-	-	.998	.030
257.50	1.000	.024	-	-

Grade 8
Fall PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
258.50	-	-	.998	.028
259.00	1.000	.022	-	-
529.50	-	-	1.000	.028
260.50	1.000	.021	1.000	.027
261.50	-	-	1.000	.024
262.50	1.000	.018	1.000	.022
263.50	-	-	1.000	.019
265.00	1.000	.014	-	-
265.50	-	-	1.000	.018
266.50	1.000	.013	-	-
267.50	-	-	1.000	.015
268.00	1.000	.012	-	-
268.50	-	-	1.000	.012
269.50	1.000	.008	-	-
270.50	-	-	1.000	.011
271.00	1.000	.007	-	-
273.00	-	-	1.000	.009
274.00	1.000	.005	-	-
276.00	-	-	1.000	.008
277.00	1.000	.004	-	-
278.50	1.000	.003	-	-
280.00	-	-	1.000	.005
282.50	-	-	1.000	.004
286.00	-	-	1.000	.003
298.50	-	-	1.000	.001
309.00	-	-	1.000	.000
338.00	1.000	.001	-	-
398.00	1.000	.000	-	-

Grade 8
Fall MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	478
	Negative	1190
	Missing	206
Group 2	Positive[a]	487
	Negative	1185
	Missing	203

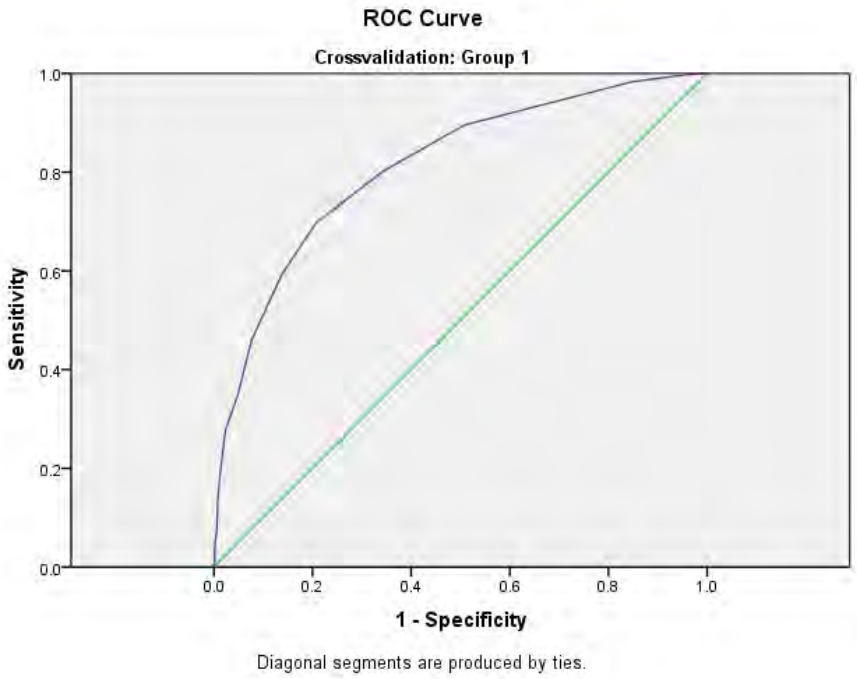
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Multiple Choice Read Comp Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group.

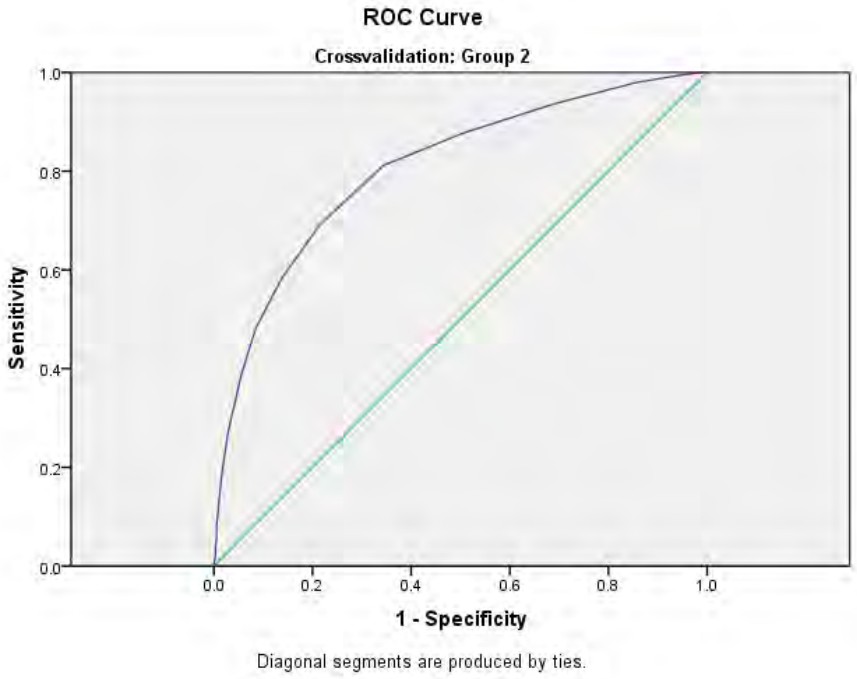
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Multiple Choice Read Comp Score Grade 8 Fall

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.812	.012	.000	.789	.835
Group 2	.806	.012	.000	.782	.829

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Multiple Choice Read Comp Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Multiple Choice Read Comp Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.006	1.000	.010	.999
1.50	.006	.999	.014	.998
2.50	.013	.998	.016	.998
3.50	.023	.998	.023	.997
4.50	.031	.998	.041	.997
5.50	.050	.997	.051	.995
6.50	.075	.994	.086	.994
7.50	.132	.992	.129	.990
8.50	.199	.987	.187	.984
9.50	.278	.976	.271	.971
10.50	.349	.951	.388	.944
11.50	.460	.924	.483	.915
12.50	.594	.861	.583	.862
13.50	.697	.793	.692	.785
14.50	**.801**	**.658**	**.811**	**.657**
15.50	.895	.492	.877	.495
16.50	.946	.298	.936	.311
17.50	.983	.151	.979	.144
18.50	.998	.038	.996	.046
19.50	1.000	.003	1.000	.010
21.00	1.000	.000	1.000	.000

Grade 8
Fall VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	237
	Negative	754
	Missing	883
Group 2	Positive[a]	245
	Negative	750
	Missing	880

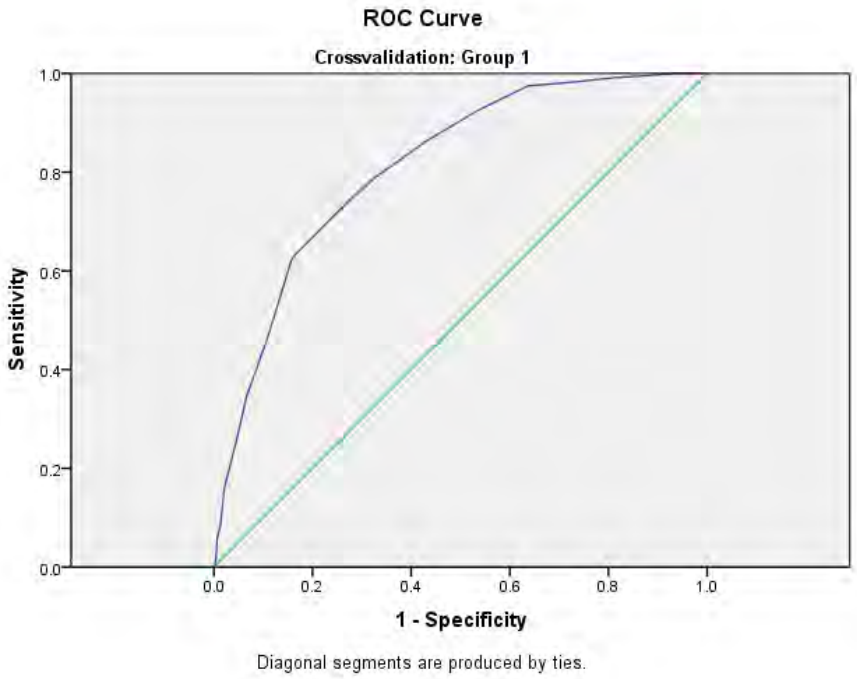
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Vocabulary Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group.

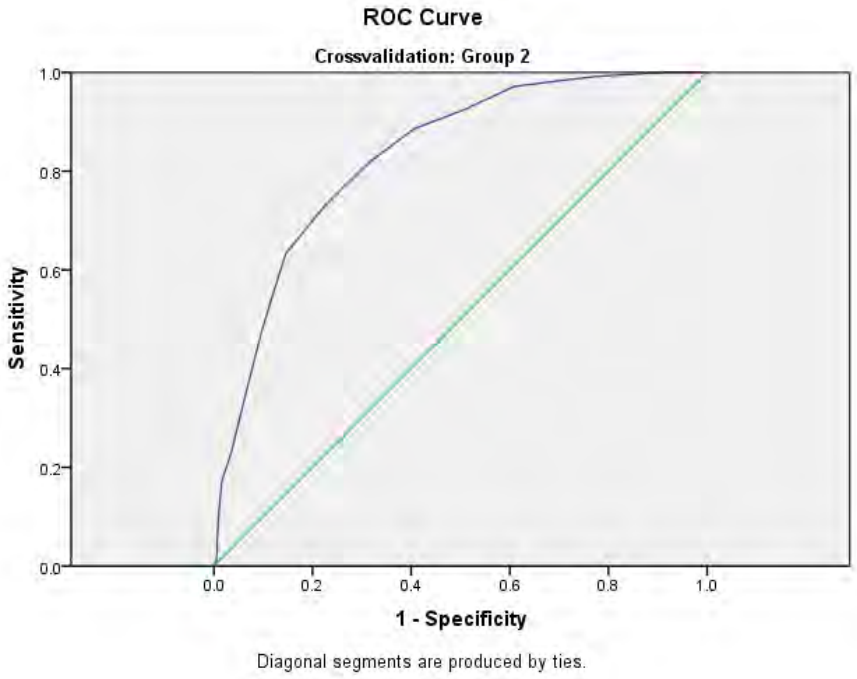
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Vocabulary Score Grade 8 Fall

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.812	.015	.000	.783	.841
Group 2	.831	.014	.000	.803	.858

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Vocabulary Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Vocabulary Score Grade 8 Fall has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.000	.997	.008	.996
2.50	.008	.997	.008	.995
4.50	.017	.996	.020	.995
5.50	.038	.995	.024	.993
6.50	.059	.993	.049	.993
7.50	.084	.987	.102	.991
8.50	.160	.979	.171	.984
9.50	.253	.955	.233	.964
10.50	.346	.934	.347	.936
11.50	.464	.891	.478	.903
12.50	.624	.842	.633	.855
13.50	**.717**	**.752**	**.731**	**.775**
14.50	.785	.679	.812	.692
15.50	.861	.573	.886	.595
16.50	.924	.467	.922	.497
17.50	.975	.363	.971	.392
18.50	.983	.265	.984	.296
19.50	.992	.186	.992	.225
20.50	.996	.119	.996	.157
21.50	1.000	.065	1.000	.084
22.50	1.000	.033	1.000	.041
23.50	1.000	.012	1.000	.012
24.50	1.000	.001	1.000	.003
26.00	1.000	.000	1.000	.000

Grade 8
Winter PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	387
	Negative	769
	Missing	718
Group 2	Positive[a]	402
	Negative	754
	Missing	719

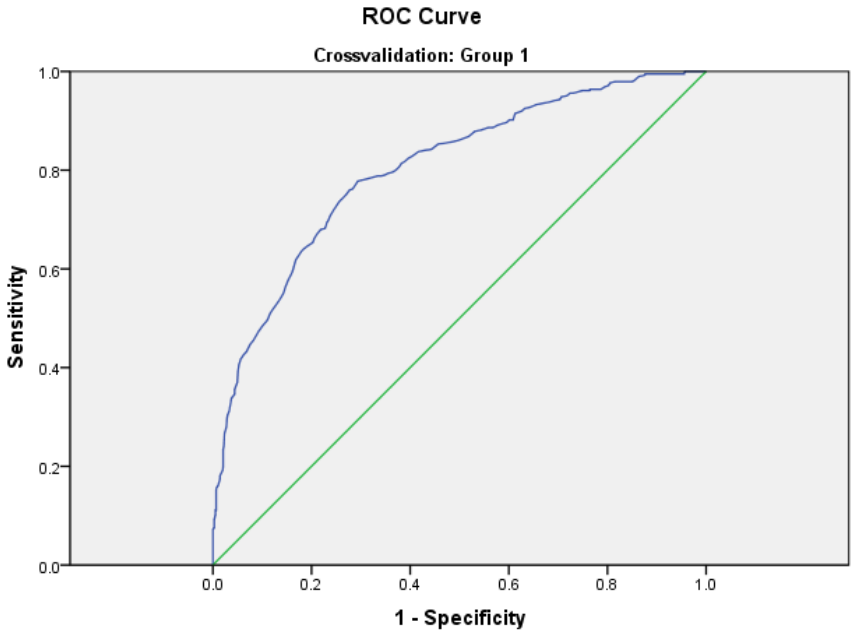
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Passage Reading Fluency Score Grade 8 Winter has at least one tie between the positive actual state group and the negative actual state group.

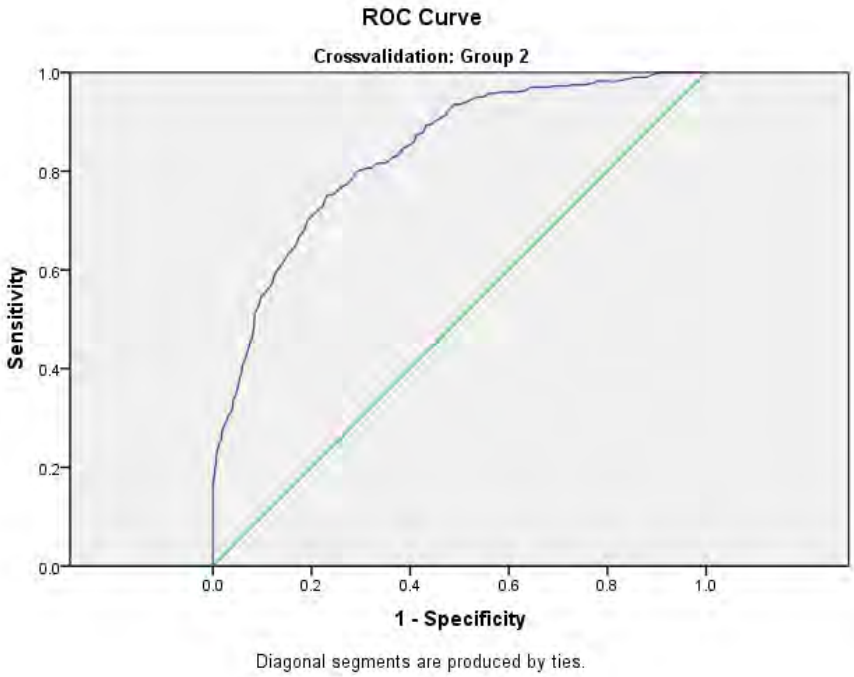
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Passage Reading Fluency Score Grade 8 Winter

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.803	.014	.000	.776	.830
Group 2	.836	.012	.000	.812	.860

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Passage Reading Fluency Score Grade 8 Winter has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Passage Reading Fluency Score Grade 8 Winter has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
9.00	-	-	.000	1.000
10.00	.000	1.000	-	-
14.00	-	-	.002	1.000
16.00	.003	1.000	-	-
20.00	-	-	.005	1.000
25.50	.005	1.000	.007	1.000
30.00	-	-	.010	1.000
31.50	-	-	.012	1.000
32.00	.008	1.000	-	-
33.00	-	-	.015	1.000
34.50	.013	1.000	-	-
36.00	-	-	.017	1.000
37.00	.016	1.000	-	-
40.00	-	-	.020	1.000
41.00	.018	1.000	-	-
44.00	-	-	.022	1.000
46.00	.021	1.000	-	-
47.00	-	-	.025	1.000
49.50	-	-	.027	1.000
51.50	-	-	.030	1.000
52.00	.028	1.000	-	-
52.50	-	-	.032	1.000
53.50	-	-	.035	1.000
54.50	-	-	.037	1.000
55.50	.031	1.000	-	-
56.00	-	-	.040	1.000
57.50	.036	1.000	.042	1.000
58.50	-	-	.047	1.000
60.00	-	-	.052	1.000
61.00	.041	1.000	-	-
61.50	-	-	.055	1.000
62.50	-	-	.062	1.000
63.50	-	-	.070	1.000
64.00	.044	1.000	-	-
64.50	-	-	.075	1.000
65.50	.049	1.000	.077	1.000
66.50	.057	1.000	.092	1.000

Grade 8
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
67.50	.062	1.000	.100	1.000
69.00	.065	1.000	.102	1.000
70.50	.067	1.000	.109	1.000
71.50	.070	1.000	.112	1.000
72.50	.072	1.000	.119	1.000
73.50	.075	.997	.124	1.000
74.50	.085	.997	.129	1.000
75.50	.088	.997	.134	1.000
76.50	.093	.997	.139	1.000
77.50	.096	.996	.142	1.000
78.50	.098	.996	.144	1.000
79.50	.101	.995	.147	1.000
80.50	.103	.995	.149	1.000
81.50	-	-	.157	1.000
82.00	.106	.995	-	-
82.50	-	-	.164	1.000
83.50	.111	.995	.169	1.000
84.50	.111	.993	.169	.999
86.00	.114	.993	.172	.999
87.50	.116	.993	.174	.999
89.00	.129	.993	.182	.997
83.50	-	-	.184	.997
90.50	.132	.993	.184	.996
91.50	.134	.993	.187	.996
92.50	.140	.993	.197	.996
93.50	.142	.993	-	-
94.00	-	-	.199	.996
94.50	.150	.993	-	-
95.50	.152	.993	.204	.993
96.50	.158	.992	.211	.993
97.50	.160	.990	.214	.993
98.50	.165	.988	.221	.993
99.50	.173	.986	.229	.992
100.50	.181	.986	.231	.992
101.50	.189	.982	.236	.991
102.50	.191	.980	-	-
103.00	-	-	.239	.989

Grade 8
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
103.50	.199	.979	-	-
104.50	.212	.979	.246	.988
105.50	.220	.979	.251	.985
106.50	.235	.979	.256	.983
107.50	.240	.978	.274	.981
108.50	.266	.977	.286	.977
109.50	.279	.973	.291	.973
110.50	.297	.971	.303	.969
111.50	.305	.970	.311	.964
112.50	.310	.967	.318	.960
113.50	.323	.965	.338	.959
114.50	.339	.962	.343	.955
115.50	.346	.956	.361	.950
116.50	.357	.956	.373	.947
117.50	.370	.951	.383	.946
118.50	.393	.949	.388	.943
119.50	.408	.947	.403	.940
120.50	.416	.944	.410	.939
121.50	.426	.938	.415	.936
122.50	.432	.932	.430	.931
123.50	.447	.925	.458	.923
124.50	.455	.918	.460	.920
125.50	.473	.908	.488	.916
126.50	.486	.899	.512	.915
127.50	.496	.889	.527	.907
128.50	.509	.884	.547	.902
129.50	.519	.878	.550	.898
130.50	.525	.874	.560	.890
131.50	.537	.865	.567	.883
132.50	.550	.857	.575	.879
133.50	.563	.853	.585	.877
134.50	.576	.848	.592	.874
135.50	.594	.839	.604	.866
136.50	.618	.832	.612	.859
137.50	.636	.821	.632	.847
138.50	.641	.815	.642	.840
139.50	.646	.809	.647	.834

Grade 8
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
140.50	.649	.805	.654	.830
141.50	.654	.797	.669	.825
142.50	.661	.795	.677	.817
143.50	.672	.788	.689	.812
144.50	.680	.782	.699	.809
145.50	.682	.772	.709	.800
146.50	.695	.769	.724	.785
147.50	.698	.766	.729	.777
148.50	.708	.762	.741	.773
149.50	.721	.754	.751	.768
150.50	.729	.749	.751	.760
151.50	.736	.744	.756	.752
152.50	.749	.731	.766	.741
153.50	.760	.723	.769	.737
154.50	.762	.717	.774	.728
155.50	**.778**	**.706**	.779	.725
156.50	.783	.685	.786	.718
157.50	.788	.667	.799	.710
158.50	.788	.659	**.801**	**.704**
159.50	.791	.650	.806	.688
160.50	.793	.646	.806	.678
161.50	.796	.636	.816	.668
162.50	.801	.628	.816	.663
163.50	.806	.623	.816	.650
164.50	.814	.618	.828	.635
165.50	.817	.612	.831	.627
166.50	.824	.603	.841	.619
167.50	.829	.594	.848	.611
168.50	.837	.584	.853	.601
169.50	.840	.572	.861	.592
170.50	.842	.557	.873	.588
171.50	.853	.544	.878	.574
172.50	.855	.527	.893	.568
173.50	.858	.512	.896	.557
174.50	.860	.502	.903	.546
175.50	.868	.481	.913	.529
176.50	.879	.469	.935	.511

Grade 8
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
177.50	.881	.456	.935	.505
178.50	.886	.442	.935	.500
179.50	.886	.432	.940	.485
180.50	.891	.423	.948	.469
181.50	.894	.414	.950	.464
182.50	.897	.404	.950	.451
183.50	.902	.399	.958	.440
184.50	.902	.391	.958	.431
185.50	.915	.388	.960	.415
186.50	.920	.373	.960	.402
187.50	.925	.368	.960	.391
188.50	.928	.356	.960	.385
189.50	.933	.345	.963	.370
190.50	.935	.332	.963	.367
191.50	.938	.317	.970	.355
192.50	.941	.309	.970	.342
193.50	.943	.296	.970	.322
194.50	.948	.294	.970	.320
195.50	.951	.282	.973	.308
196.50	.956	.276	.973	.297
197.50	.956	.269	.973	.289
198.50	.959	.260	.973	.281
199.50	.961	.251	.975	.271
200.50	.961	.246	.975	.261
201.50	.961	.237	.975	.259
202.50	.964	.235	.975	.253
203.50	.964	.231	.975	.249
204.50	.964	.228	.975	.244
205.50	.964	.225	.978	.236
206.50	.964	.218	.978	.232
207.50	.964	.213	.978	.228
208.50	.969	.205	.983	.223
209.50	.972	.198	.983	.212
210.50	.977	.195	.983	.196
211.50	.979	.185	.983	.179
212.50	.979	.168	.988	.155
213.50	.979	.160	-	-
214.00	-	-	.988	.153

Grade 8
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
214.50	.979	.152	-	-
215.50	.979	.150	.990	.149
216.50	.982	.146	.990	.139
217.50	.990	.137	.990	.137
218.50	.992	.125	.990	.135
219.50	.995	.124	.990	.133
220.50	.995	.117	.990	.129
221.50	.995	.114	.990	.122
222.50	.995	.111	.993	.115
223.50	.995	.109	.995	.110
224.50	.995	.105	.995	.106
225.50	.995	.100	-	-
226.00	-	-	.998	.103
226.50	.995	.094	-	-
227.50	.995	.087	1.000	.094
228.50	.995	.086	1.000	.092
229.50	.995	.082	1.000	.086
230.50	.995	.078	1.000	.082
231.50	.995	.074	1.000	.081
232.50	.995	.072	-	-
233.00	-	-	1.000	.080
233.50	.995	.069	-	-
234.50	.995	.064	1.000	.078
235.50	.995	.061	1.000	.077
236.50	.995	.060	1.000	.076
237.50	.995	.056	1.000	.074
238.50	.995	.044	1.000	.064
239.50	.997	.044	1.000	.058
240.50	1.000	.043	1.000	.053
242.00	1.000	.040	1.000	.052
244.00	1.000	.039	1.000	.045
245.50	1.000	.034	1.000	.040
247.50	1.000	.031	1.000	.038
249.50	1.000	.030	1.000	.037
250.50	1.000	.026	-	-
251.00	-	-	1.000	.034
252.50	1.000	.023	-	-

Grade 8
Winter PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
253.00	-	-	1.000	.033
254.50	1.000	.021	1.000	.032
256.00	1.000	.017	-	-
256.50	-	-	1.000	.029
257.50	1.000	.016	-	-
258.50	1.000	.014	1.000	.028
259.50	-	-	1.000	.027
260.50	-	-	1.000	.024
261.00	1.000	.013	-	-
261.50	-	-	1.000	.021
262.50	-	-	1.000	.019
263.50	1.000	.012	-	-
264.00	-	-	1.000	.017
265.00	1.000	.010	-	-
266.00	-	-	1.000	.015
267.00	1.000	.007	-	-
269.50	-	-	1.000	.012
272.50	-	-	1.000	.011
274.00	1.000	.005	-	-
277.00	-	-	1.000	.009
287.50	-	-	1.000	.007
290.50	1.000	.004	-	-
294.50	-	-	1.000	.005
298.50	-	-	1.000	.003
302.00	1.000	.003	-	-
302.50	-	-	1.000	.001
304.00	-	-	1.000	.000
323.00	1.000	.001	-	-
344.00	1.000	.000	-	-

Grade 8
Winter MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	356
	Negative	718
	Missing	800
Group 2	Positive[a]	362
	Negative	669
	Missing	844

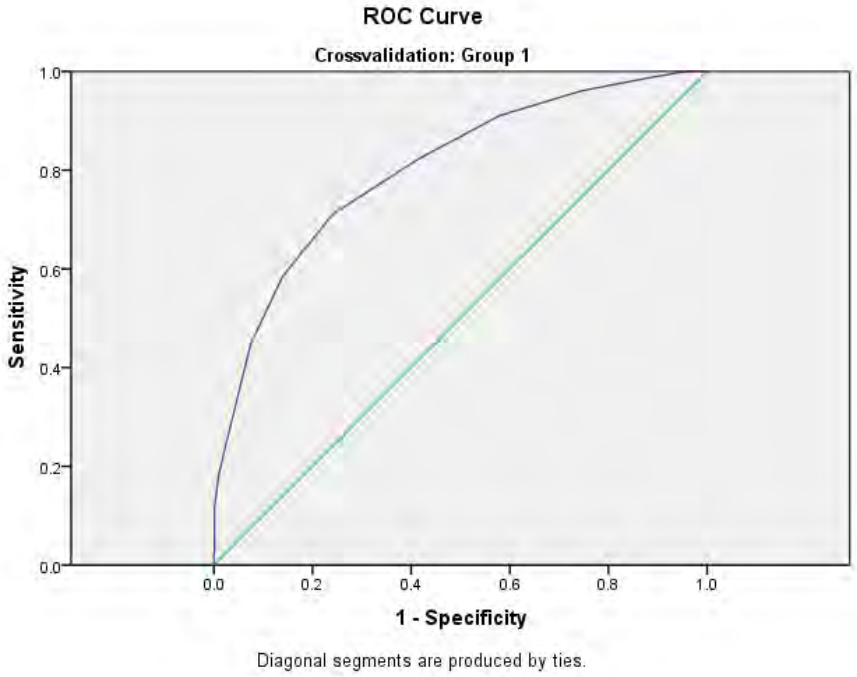
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Multiple Choice Read Comp Score Grade 8 Winter has at least one tie between the positive actual state group and the negative actual state group.

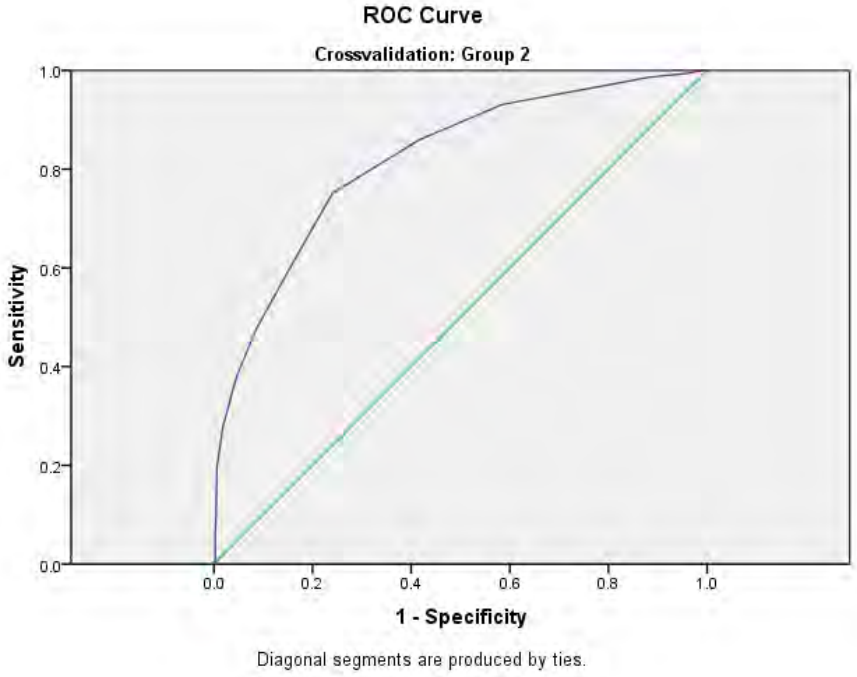
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Multiple Choice Read Comp Score Grade 8 Winter

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.803	.014	.000	.775	.831
Group 2	.819	.014	.000	.792	.846

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Multiple Choice Read Comp Score Grade 8 Winter has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Multiple Choice Read Comp Score Grade 8 Winter has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.003	1.000	.006	.999
2.00	.006	1.000	.006	.997
3.50	.020	1.000	.008	.997
4.50	.034	.999	.025	.997
5.50	.073	.999	.066	.997
6.50	.118	.999	.110	.996
7.50	.183	.990	.196	.994
8.50	.230	.979	.276	.982
9.50	.326	.955	.381	.954
10.50	.449	.925	.478	.913
11.50	.584	.861	.605	.843
12.50	**.711**	**.759**	**.751**	**.759**
13.50	.820	.589	.859	.584
14.50	.910	.422	.931	.416
15.50	.961	.255	.967	.221
16.50	.989	.109	.986	.118
17.50	1.000	.043	.994	.037
18.50	1.000	.007	1.000	.012
20.00	1.000	.000	1.000	.000

Grade 8
Spring PRF Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	408
	Negative	787
	Missing	679
Group 2	Positive[a]	425
	Negative	761
	Missing	689

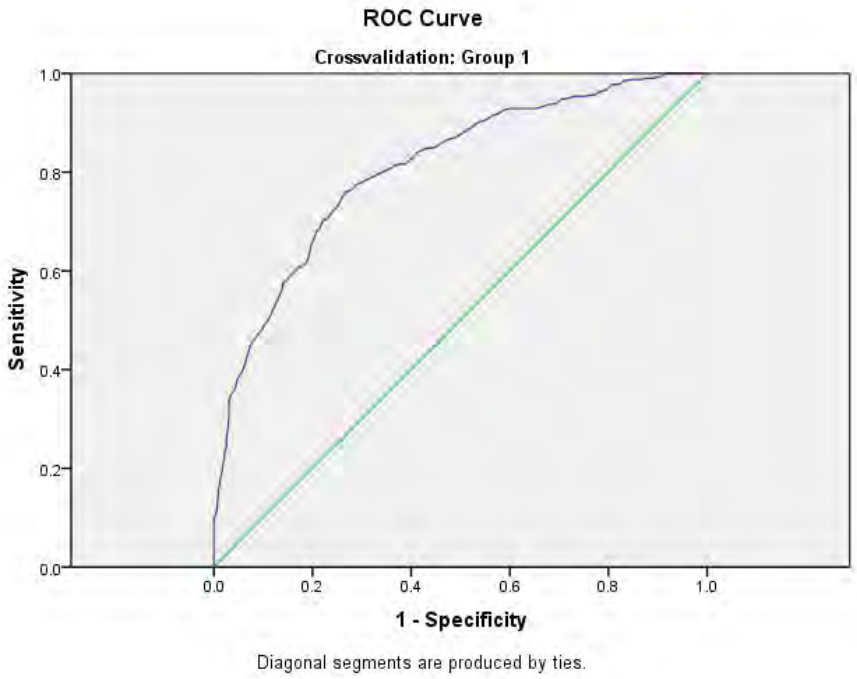
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Passage Reading Fluency Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group.

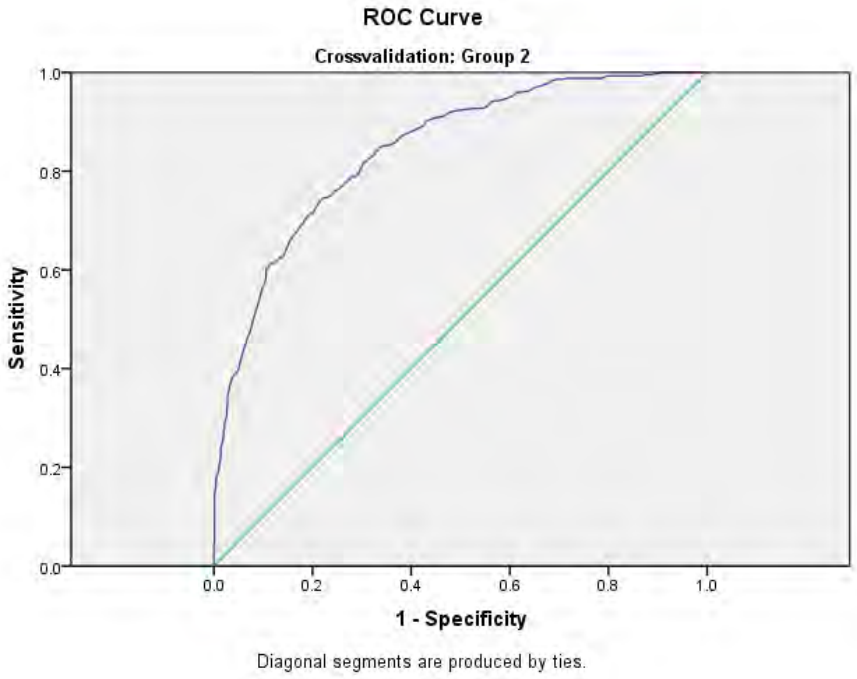
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Passage Reading Fluency Score Grade 8 Spring

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.809	.013	.000	.783	.835
Group 2	.844	.012	.000	.822	.867

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Passage Reading Fluency Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Passage Reading Fluency Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
14.00	.000	1.000	-	-
17.00	.002	1.000	-	-
21.00	-	-	.000	1.000
22.50	.005	1.000	-	-
25.00	-	-	.002	1.000
30.50	-	-	.005	1.000
31.50	.007	1.000	-	-
35.50	-	-	.007	1.000
40.00	.010	1.000	-	-
41.50	-	-	.009	1.000
48.00	.012	1.000	.012	1.000
53.50	.015	1.000	-	-
54.00	-	-	.014	1.000
54.50	.017	1.000	-	-
57.00	.020	1.000	-	-
57.50	-	-	.016	1.000
59.00	-	-	.019	1.000
60.50	.025	1.000	-	-
61.00	-	-	.021	1.000
62.50	.027	1.000	.026	1.000
63.50	.029	1.000	.028	1.000
64.50	-	-	.031	1.000
65.50	-	-	.035	1.000
66.00	.032	1.000	-	-
67.50	-	-	.040	1.000
69.50	-	-	.042	1.000
70.50	.034	1.000	.045	1.000
71.50	-	-	.047	.999
72.50	-	-	.049	.999
73.50	-	-	.052	.999
74.00	.037	1.000	-	-
74.50	-	-	.056	.999
75.50	.039	1.000	.061	.999
77.00	-	-	.066	.999
77.50	.042	1.000	-	-
78.50	-	-	.071	.999
79.50	.044	1.000	.073	.999

Grade 8
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
80.50	.047	1.000	.078	.999
81.50	.051	1.000	-	-
82.50	.054	1.000	.085	.999
83.50	.061	1.000	-	-
84.50	.066	1.000	.087	.999
85.50	.071	1.000	.094	.999
86.50	.074	1.000	.099	.999
87.50	.076	1.000	.104	.999
88.50	.081	1.000	.113	.999
89.50	.083	1.000	.122	.999
90.50	.086	1.000	.134	.999
91.50	.091	1.000	.141	.999
92.50	.100	1.000	.146	.999
93.50	.103	.996	.153	.997
94.50	.108	.996	.158	.996
95.50	.110	.995	.172	.996
96.50	.115	.994	.179	.995
97.50	.125	.994	.184	.995
98.50	.137	.992	.184	.993
99.50	.145	.991	.188	.992
100.50	.147	.991	.195	.989
101.50	.159	.991	.205	.989
102.50	.169	.987	.214	.987
103.50	.179	.987	.219	.987
104.50	.189	.985	.231	.986
105.50	.199	.982	.240	.986
106.50	.206	.982	.247	.984
107.50	.211	.981	.254	.982
108.50	.216	.980	.271	.980
109.50	.223	.978	.273	.980
110.50	.233	.978	.280	.979
111.50	.238	.976	.294	.978
112.50	.248	.975	.304	.974
113.50	.257	.975	.322	.974
114.50	.272	.973	.322	.972
115.50	.282	.971	.336	.972
116.50	.297	.971	.344	.972

Grade 8
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
117.50	.309	.970	.355	.970
118.50	.314	.970	.365	.968
119.50	.326	.970	.372	.966
120.50	.338	.970	.381	.963
121.50	.353	.963	.391	.957
122.50	.360	.957	.391	.954
123.50	.375	.954	.398	.950
124.50	.385	.950	.416	.946
125.50	.397	.942	.442	.938
126.50	.426	.933	.459	.933
127.50	.449	.926	.475	.926
128.50	.468	.914	.501	.920
129.50	.480	.902	.534	.909
130.50	.488	.900	.555	.904
131.50	.498	.892	.565	.901
132.50	.505	.887	.579	.895
133.50	.529	.877	.605	.894
134.50	.542	.870	.605	.890
135.50	.554	.865	.614	.884
136.50	.564	.861	.614	.880
137.50	.576	.860	.616	.873
138.50	.581	.853	.624	.867
139.50	.591	.845	.628	.858
140.50	.600	.836	.640	.854
141.50	.608	.828	.645	.852
142.50	.610	.818	.659	.846
143.50	.618	.812	.666	.841
144.50	.632	.807	.673	.836
145.50	.652	.803	.682	.829
146.50	.667	.797	.692	.821
147.50	.681	.792	.704	.815
148.50	.686	.785	.715	.803
149.50	.689	.784	.715	.800
150.50	.701	.780	.727	.792
151.50	.706	.770	.734	.788
152.50	.716	.762	.746	.778
153.50	.725	.756	.746	.773

Grade 8
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
154.50	.730	.750	.751	.762
155.50	.745	.742	.760	.756
156.50	.760	.733	.762	.749
157.50	.765	.719	.776	.733
158.50	.775	.713	.786	.724
159.50	**.777**	**.705**	**.793**	**.708**
160.50	.784	.691	.814	.698
161.50	.792	.676	.821	.690
162.50	.797	.667	.833	.677
163.50	.801	.656	.849	.662
164.50	.809	.639	.852	.654
165.50	.814	.634	.852	.647
166.50	.816	.625	.856	.636
167.50	.816	.611	.859	.632
168.50	.828	.598	.866	.625
169.50	.841	.587	.873	.616
170.50	.848	.569	.882	.595
171.50	.850	.550	.892	.576
172.50	.858	.540	.901	.570
173.50	.865	.529	.908	.552
174.50	.870	.511	.911	.535
175.50	.882	.490	.920	.522
176.50	.900	.466	.925	.495
177.50	.907	.447	.927	.470
178.50	.914	.436	.927	.455
179.50	.919	.422	.932	.445
180.50	.922	.419	.941	.438
181.50	.926	.410	.944	.419
182.50	.929	.399	.948	.403
183.50	.929	.388	.953	.393
184.50	.929	.379	.960	.386
185.50	.929	.362	.960	.377
186.50	.929	.349	.962	.363
187.50	.931	.337	.967	.353
188.50	.934	.330	.969	.350
189.50	.936	.325	.972	.343
190.50	.939	.306	.972	.338

Grade 8
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
191.50	.949	.295	.976	.330
192.50	.949	.287	.976	.325
193.50	.951	.278	.979	.321
194.50	.953	.271	.984	.315
195.50	.953	.269	.986	.306
196.50	.953	.259	.986	.294
197.50	.953	.249	.988	.285
198.50	.956	.239	.988	.276
199.50	.956	.229	.988	.258
200.50	.963	.216	.988	.240
201.50	.966	.207	.988	.235
202.50	.966	.205	.988	.229
203.50	.971	.199	.988	.223
204.50	.973	.197	.988	.218
205.50	.978	.193	.988	.216
206.50	.978	.187	.988	.214
207.50	.978	.182	.988	.213
208.50	.978	.178	.993	.204
209.50	.980	.175	.993	.197
210.50	.983	.172	.993	.192
211.50	.985	.169	.993	.187
212.50	.988	.154	.993	.175
213.50	.988	.142	.993	.166
214.50	.988	.131	.993	.158
215.50	.990	.126	.993	.145
216.50	.990	.114	.993	.139
217.50	.990	.109	.993	.133
218.50	.990	.107	.995	.125
219.50	.993	.104	.995	.117
220.50	.993	.100	.995	.112
221.50	.993	.095	.998	.108
222.50	.995	.091	.998	.105
223.50	-	-	.998	.102
224.00	.995	.090	-	-
224.50	-	-	.998	.100
225.50	.998	.089	.998	.096
226.50	1.000	.084	1.000	.093

Grade 8
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
227.50	1.000	.079	1.000	.092
228.50	1.000	.075	1.000	.089
229.50	1.000	.071	1.000	.085
230.50	1.000	.061	1.000	.080
231.50	1.000	.058	1.000	.079
232.50	1.000	.055	1.000	.064
233.50	1.000	.048	1.000	.062
234.50	1.000	.047	1.000	.059
235.50	1.000	.043	1.000	.055
236.50	1.000	.038	1.000	.053
237.50	1.000	.036	1.000	.050
238.50	1.000	.034	1.000	.049
239.50	1.000	.033	1.000	.045
240.50	-	-	1.000	.042
241.00	1.000	.028	-	-
241.50	-	-	1.000	.041
242.50	-	-	1.000	.039
243.50	1.000	.024	1.000	.038
244.50	-	-	1.000	.034
245.50	1.000	.022	1.000	.033
246.50	-	-	1.000	.032
247.00	1.000	.019	-	-
247.50	-	-	1.000	.028
248.50	1.000	.017	-	-
249.50	-	-	1.000	.026
250.00	1.000	.015	-	-
251.50	1.000	.014	1.000	.024
252.50	-	-	1.000	.021
253.50	1.000	.011	1.000	.020
254.50	-	-	1.000	.017
256.50	1.000	.010	-	-
258.00	-	-	1.000	.016
260.00	1.000	.009	-	-
262.00	-	-	1.000	.014
262.50	1.000	.008	-	-
263.50	-	-	1.000	.013
265.00	1.000	.006	-	-

Grade 8
Spring PRF Benchmark Cont.

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
269.50	-	-	1.000	.012
270.50	1.000	.005	-	-
276.00	1.000	.004	-	-
276.50	-	-	1.000	.011
278.50	-	-	1.000	.009
284.00	-	-	1.000	.008
290.50	1.000	.003	-	-
291.00	-	-	1.000	.007
298.00	-	-	1.000	.005
303.50	1.000	.001	1.000	.004
305.00	1.000	.000	1.000	.000

Grade 8
Spring MCRC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	487
	Negative	1189
	Missing	198
Group 2	Positive[a]	491
	Negative	1185
	Missing	199

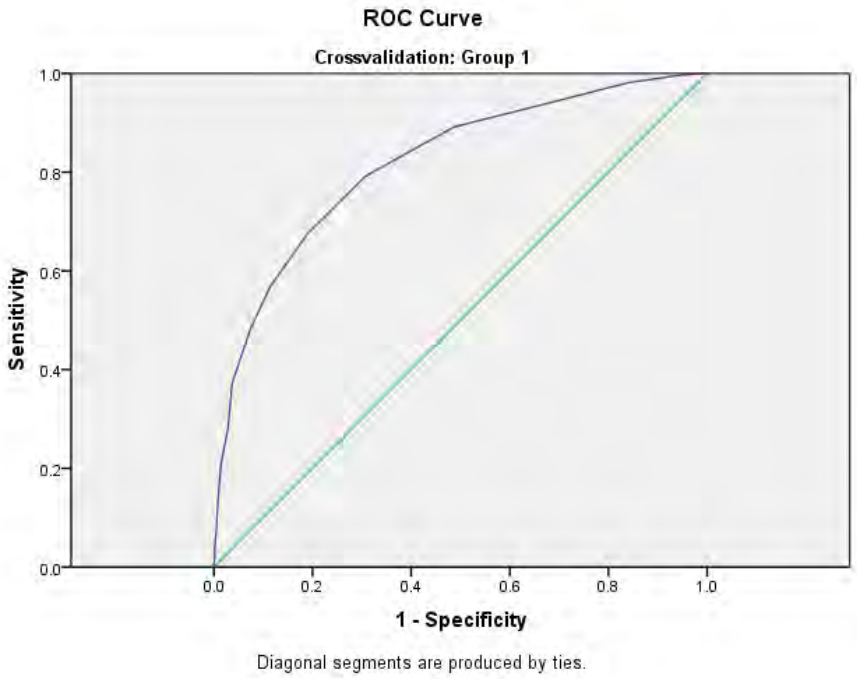
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Multiple Choice Reading Comprehension Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group.

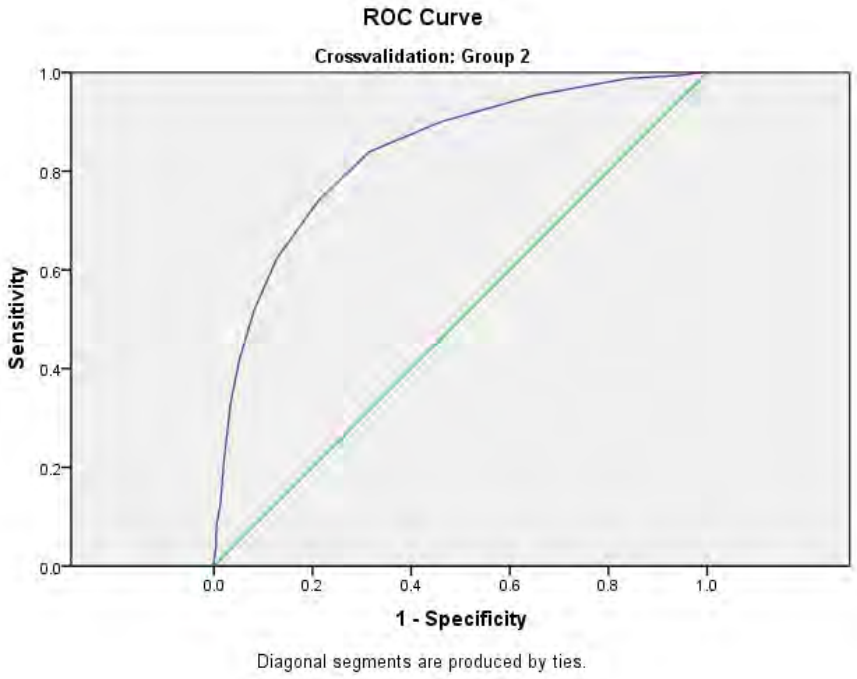
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Multiple Choice Reading Comprehension Score Grade 8 Spring

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.818	.012	.000	.796	.841
Group 2	.837	.011	.000	.816	.858

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Multiple Choice Reading Comprehension Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Multiple Choice Reading Comprehension Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.010	1.000
1.00	.010	1.000	-	-
1.50	-	-	.014	1.000
2.50	.014	.999	.018	.998
3.50	.021	.998	.020	.998
4.50	.039	.998	.041	.996
5.50	.076	.995	.079	.995
6.50	.138	.992	.128	.986
7.50	.207	.986	.212	.980
8.50	.281	.971	.330	.966
9.50	.372	.963	.418	.949
10.50	.480	.927	.517	.919
11.50	.569	.886	.623	.873
12.50	.676	.810	**.741**	**.787**
13.50	**.793**	**.691**	.839	.685
14.50	.891	.514	.900	.539
15.50	.945	.304	.953	.352
16.50	.982	.158	.988	.161
17.50	.996	.060	.994	.059
18.50	1.000	.012	1.000	.012
19.50	1.000	.001	-	-
20.00	-	-	1.000	.000
21.00	1.000	.000	-	-

Grade 8
Spring VOC Benchmark

Case Processing Summary[b]

Crossvalidation	OAKS_Perf	Valid N (listwise)
Group 1	Positive[a]	250
	Negative	745
	Missing	879
Group 2	Positive[a]	247
	Negative	742
	Missing	886

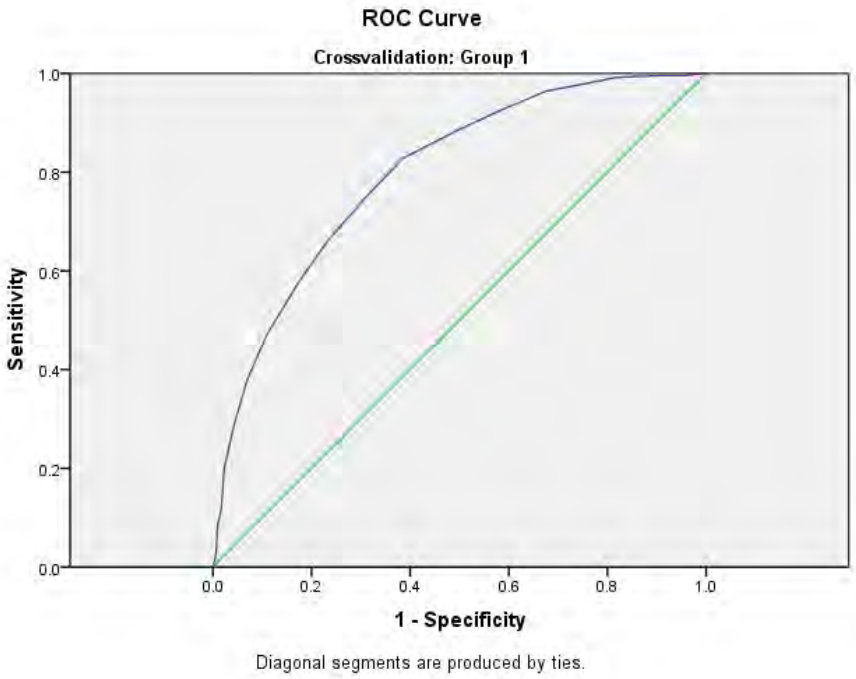
Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.
a. The positive actual state is .00.
b. For split file Crossvalidation = Group 2, the test variable(s): easyCBM Vocabulary Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group.

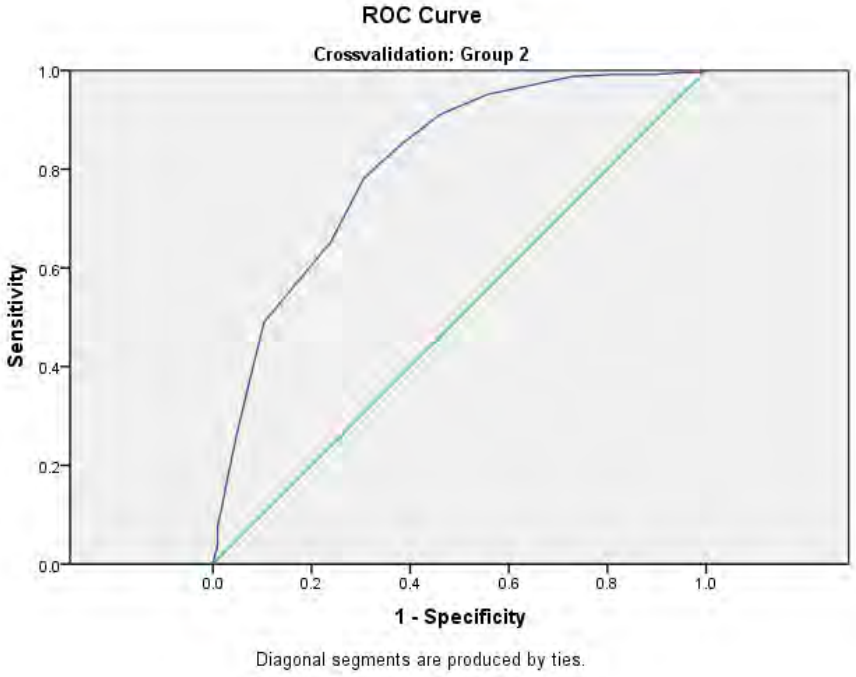
Area Under the Curve[c,d]

Test Result Variable(s):easyCBM Vocabulary Score Grade 8 Spring

				Asymptotic 95% Confidence Interval	
Crossvalidation	Area	Std. Error[a]	Asymptotic Sig.[b]	Lower Bound	Upper Bound
Group 1	.798	.016	.000	.768	.829
Group 2	.810	.015	.000	.781	.839

a. Under the nonparametric assumption
b. Null hypothesis: true area = 0.5
c. For split file Crossvalidation = Group 1, the test result variable(s): easyCBM Vocabulary Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.
d. For split file Crossvalidation = Group 2, the test result variable(s): easyCBM Vocabulary Score Grade 8 Spring has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.


ROC Curve
Crossvalidation: Group 1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.


ROC Curve
Crossvalidation: Group 2
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
Diagonal segments are produced by ties.

Grade 8
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.024	.995
1.00	.020	.995	-	-
1.50	-	-	.024	.993
3.00	.024	.995	.028	.992
4.50	.032	.993	.032	.992
5.50	.036	.993	.036	.992
6.50	.056	.992	.040	.991
7.50	.084	.991	.077	.991
8.50	.120	.983	.105	.984
9.50	.200	.977	.174	.970
10.50	.288	.957	.263	.951
11.50	.380	.930	.364	.927
12.50	.472	.890	.490	.896
13.50	.576	.827	.563	.836
14.50	.660	.768	.652	.761
15.50	**.748**	**.691**	**.781**	**.694**
16.50	.828	.615	.850	.619
17.50	.884	.506	.911	.539
18.50	.924	.420	.951	.443
19.50	.964	.325	.972	.348
20.50	.980	.242	.988	.271
21.50	.992	.184	.992	.181
22.50	.996	.090	.992	.104
23.50	.996	.042	.996	.046
24.50	1.000	.007	.996	.011
26.00	1.000	.000	1.000	.000