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

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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 Washington state. The cross-validation study analyzes data from the 2009-2010 academic year for easyCBM[®] reading measures. A sample of approximately 900 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 Measurements of Student Progress (MSP) state test in Washington 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 Washington state large-scale assessment.

Cross-validation of easyCBM Reading Cut Scores in Washington: 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 Washington state to establish optimal cut scores for predicting performance classification (not passing/passing) of the Measurements of Student Progress (MSP) state test in Washington. 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 Washington state.

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 MSP. 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

Two Washington districts participated in this study. The demographics and number of students in the sample are reported by grade level and district in Table 1. The two public school districts that participated in this study were both located in the western half of Washington state. Data came from a convenience sample of students in each district who participated in the districts' benchmarking assessments in the fall of 2009 and the winter and spring of 2010. All analyses were conducted by grade level.

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 MSP.

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 MSP 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).

Measurements of Student Progress (MSP)

The MSP was newly implemented for the 2009-2010 school year. Previously, Washington state had administered the Washington Assessment of Student Learning, a longer test that was limited to paper pencil format. According to the Washington Department of Education, the MSP will eventually be a computer administered assessment; however, because this was the first year the assessment was administered, only about 25% of students in grades 6-8 were administered the assessment by computer. The state plans to move to a fully computer administered test within 2-3 years. Reading portions of the MSP include multiple-choice and short answer item types. Students' scores are reported on an equal-interval scale typically ranging from 200 to 600, with 400 representing the meeting score for the *proficient* (i.e., meeting standards) performance level classification.

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 Silbergliitt and Hintze (2005). Silbergliitt 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: Demographic Comparison, By Group

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 in their demographic characteristics with five exceptions: the proportion of Asian/Pacific Islander students in grade 4, $t(1253) = 2.10, p = .036$, the proportion of female students in grade 4, $t(1253) = -3.30, p = .002$, the proportion of Hispanic students in grade 6, $t(1183) = -2.16, p = .031$, the proportion of students receiving free or

reduced priced lunch in grade 6, $t(1934) = -1.99, p = .047$, and the proportion of students receiving free or reduced priced lunch in grade 8 $t(1113) = 3.31, p = .001$. Although t -tests indicated statistically significant differences in these five instances, examination of the descriptive statistics related to each group indicated that the differences between the groups in the five 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 comparison of sample demographic characteristics of the two groups are presented, by grade in Appendix A.

Section Two: Optimal Cut Scores and ROC Analyses, By Group

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 74 correct words per minute (CWPM) for the first group and 75 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 11 and 10 for the first and the second group, respectively. On the fall VOC 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[®] winter PRF benchmark test was 111 CWPM for the first group and 109 CWPM 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 100 CWPM for the first group and 106 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 22 for both groups.

Grade 4 results. For students in Grade 4, the optimal meeting score on the easyCBM[®] fall PRF benchmark test was 106 CWPM for the first group and 113 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 12 and 10 for the first and the second group, respectively. On the fall VOC benchmark test, the optimal meeting scores were 15 and 17 for the first and the second group, respectively. The optimal meeting scores on the easyCBM[®] winter PRF benchmark test were 131 CWPM for both groups. On the winter MCRC benchmark test, the optimal meeting scores were 14 and 16 for the first and the second groups, respectively. The optimal meeting score on the easyCBM[®] spring PRF benchmark test was 129 CWPM for the first group and 133 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 14 and 15 for the first and the second group, respectively. On the spring VOC benchmark test, the optimal meeting scores were 20 and 19 for the first and the second group, respectively.

Grade 5 results. For students in Grade 5, the optimal meeting score on the easyCBM[®] fall PRF benchmark test was 143 CWPM for the first group and 118 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 15 and 14 for the first and the second group, respectively. On the fall VOC benchmark test, the optimal meeting scores were 17 and 15 for the first and the second group, respectively. The optimal meeting score on the

easyCBM[®] winter PRF benchmark test was 148 CWPM for the first group and 135 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 17 for both groups. The optimal meeting score on the easyCBM[®] spring PRF benchmark test was 162 CWPM for the first group and 149 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 16 for both groups. On the spring VOC benchmark test, the optimal meeting scores were 20 and 19 for the first and the second group, respectively.

Grade 6 results. For students in Grade 6, the optimal meeting score on the easyCBM[®] fall PRF benchmark test was 154 CWPM for the first group and 158 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 16 for both groups. On the fall VOC benchmark test, the optimal meeting scores were 15 for both groups. The optimal meeting score on the easyCBM[®] winter PRF benchmark test was 176 CWPM for the first group and 173 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 15 and 14 for the first and the second group, respectively. The optimal meeting score on the easyCBM[®] spring PRF benchmark test was 168 CWPM for the first group and 192 CWPM for the second group. On the spring MCRC benchmark test, the optimal meeting scores were 15 and 16 for the first and the second group, respectively. On the spring VOC benchmark test, the optimal meeting scores were 17 and 16 for the first and the second group, respectively.

Grade 7 results. For students in Grade 7, the optimal meeting score on the easyCBM[®] fall PRF benchmark test was 149 CWPM for the first group and 139 CWPM for the second group. On the fall MCRC benchmark test, the optimal meeting scores were 14 for both groups. On the fall VOC benchmark test, the optimal meeting scores were 13 for both groups. The

optimal meeting score on the easyCBM[®] winter PRF benchmark test was 167 CWPM for the first group and 169 CWPM for the second group. On the winter MCRC benchmark test, the optimal meeting scores were 16 for both groups. The optimal meeting score on the easyCBM[®] spring PRF benchmark test was 157 CWPM for the first group and 152 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 15 for both groups.

Grade 8 results. For students in Grade 8, the optimal meeting score on the easyCBM[®] fall PRF benchmark test was 141 CWPM for the first group and 145 CWPM for the second group. Because there were not any students who took easyCBM[®] fall MCRC and VOC benchmark tests, ROC analyses were not conducted for these two measures. The optimal meeting score on the easyCBM[®] winter PRF benchmark test was 153 CWPM for the first group and 155 CWPM for the second group. On the winter MCRC 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[®] spring PRF benchmark test was 170 CWPM for the first group and 173 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 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 reasonably stable across the two randomly split groups. Specifically, the average difference in cut scores for the easyCBM[®] PRF measure between groups was 7.11 CWPM for 18 grade-level and measurement occasion comparisons. The average difference between cut scores for the MCRC and VOC measures was 0.59 and 1.00 for 17 and 11 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 Washington 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 two districts within the state of Washington. Identified optimal cut-scores could serve as a guide to districts within Washington, 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

Grade	n	% ELL	% FRL	% SPED	% Female	% Ethnicity						
						Amer Ind	Asian/Pac Islander	Black	Hispanic	White	Multi	Decline/ Missing
District 1												
3	1023	3.1	45.2	12.7	48.5	2.8	10.9	5.2	8.7	57.9	11.9	2.5
4	993	2.9	43.1	11.7	48.8	2.1	9.4	5.5	9.4	57.5	13.9	2.2
5	1000	2.9	39.7	15.1	42.6	1.9	10.8	5.3	7.8	57.3	14.7	2.2
6	940	2.1	40.1	11.6	49.1	3.2	10.0	5.5	8.9	59.0	10.9	2.4
7	982	2.0	38.9	13.1	48.8	2.3	10.3	9.0	9.6	58.5	6.2	4.2
8	1107	2.3	34.3	10.3	41.9	3.0	13.6	9.8	11.1	60.7	1.0	0.8
District 2												
3	271	12.2	-	13.7	47.2	5.5	4.1	1.1	24.0	61.3	2.6	1.5
4	262	8.4	-	18.7	48.5	4.2	2.7	0.4	22.9	67.6	2.3	-
5	258	6.2	-	21.3	57.8	7.8	3.5	1.2	20.9	65.5	0.4	0.8
6	245	4.9	-	7.8	49.0	5.3	1.6	1.6	18.4	70.2	2.4	0.4
7	225	4.4	-	4.9	49.3	6.7	1.8	1.3	17.3	70.2	0.9	1.8
8	592	3.4	-	12.5	47.6	7.4	2.0	1.7	14.9	71.6	1.0	1.4
Full Sample												
3	1294	5.0	-	12.9	48.2	3.4	9.5	4.3	11.9	58.6	10.0	2.3
4	1255	4.1	-	13.1	48.8	2.5	8.0	4.5	12.2	59.6	11.5	1.7
5	1258	3.6	-	16.4	45.7	3.1	9.3	4.5	10.5	59.0	11.8	1.8
6	1185	2.7	-	10.8	49.1	3.6	8.3	4.7	10.9	61.4	9.1	2.0
7	1207	2.5	-	11.6	48.9	3.1	8.7	7.5	11.0	60.6	5.2	3.9
8	1699	2.7	-	11.6	47.4	4.3	9.1	6.6	11.7	60.9	0.9	6.5

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	647	50.0	50.0	50.0
	Group 2	647	50.0	50.0	100.0
	Total	1294	100.0	100.0	

EthnicCd

Crossvalidation		Frequency	Percent	Valid Percent	Cumulative Percent	
Group 1	Valid	American	19	2.9	2.9	2.9
		Indian/Alakan Native				
		Asian/Pacific Islander	60	9.3	9.3	12.2
		Black	33	5.1	5.1	17.3
		Hispanic	75	11.6	11.6	28.9
		White	380	58.7	58.7	87.6
		Multiethnic	63	9.7	9.7	97.4
		Decline	17	2.6	2.6	100.0
	Total	647	100.0	100.0		
Group 2	Valid	American	25	3.9	3.9	3.9
		Indian/Alakan Native				
		Asian/Pacific Islander	63	9.7	9.7	13.6
		Black	23	3.6	3.6	17.2
		Hispanic	79	12.2	12.2	29.4
		White	378	58.4	58.4	87.8
		Multiethnic	66	10.2	10.2	98.0
		Decline	13	2.0	2.0	100.0
	Total	647	100.0	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	568	87.8	87.8	87.8
		Yes	79	12.2	12.2	100.0
		Total	647	100.0	100.0	
Group 2	Valid	No	559	86.4	86.4	86.4
		Yes	88	13.6	13.6	100.0
		Total	647	100.0	100.0	

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	356	55.0	55.0	55.0
		Female	291	45.0	45.0	100.0
		Total	647	100.0	100.0	
Group 2	Valid	Male	314	48.5	48.5	48.5
		Female	333	51.5	51.5	100.0
		Total	647	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	610	94.3	94.3	94.3
		Yes	37	5.7	5.7	100.0
		Total	647	100.0	100.0	
Group 2	Valid	No	619	95.7	95.7	95.7
		Yes	28	4.3	4.3	100.0
		Total	647	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	269	41.6	53.8	53.8
		Yes	231	35.7	46.2	100.0
		Total	500	77.3	100.0	
	Missing	System	147	22.7		
	Total		647	100.0		
Group 2	Valid	No	280	43.3	54.8	54.8
		Yes	231	35.7	45.2	100.0
		Total	511	79.0	100.0	
	Missing	System	136	21.0		
	Total		647	100.0		

MSPRdg_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	185	28.6	28.7	28.7
		1.00	460	71.1	71.3	100.0
		Total	645	99.7	100.0	
	Missing	System	2	.3		
	Total		647	100.0		
Group 2	Valid	.00	175	27.0	27.0	27.0
		1.00	472	73.0	73.0	100.0
		Total	647	100.0	100.0	

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	MSP Reading	645	0	500	406.66	47.531
	MSPRdg_Perf	645	.00	1.00	.7132	.45263
	Fall09PRF	127	14	199	80.32	33.936
	Fall09MCRC	127	0	17	9.91	3.237
	Fall09Voc	128	5	25	15.79	4.581
	Wint10PRF	147	13	212	108.01	38.987
	Wint10MCRC	192	0	17	10.40	3.263
	Spr10PRF	163	16	223	108.95	40.889
	Spr10MCRC	310	0	20	13.06	3.950
	Spr10Voc	257	6	25	20.93	4.076
	Valid N (listwise)	122				
Group 2	MSP Reading	647	0	500	405.10	57.232
	MSPRdg_Perf	647	.00	1.00	.7295	.44455
	Fall09PRF	127	9	167	77.22	37.559
	Fall09MCRC	127	0	17	9.53	3.509
	Fall09Voc	127	5	24	15.39	4.842
	Wint10PRF	140	18	217	108.09	37.822
	Wint10MCRC	172	0	16	9.87	3.310
	Spr10PRF	148	32	254	107.76	41.351
	Spr10MCRC	283	0	20	13.43	3.879
	Spr10Voc	245	0	25	20.43	4.683
	Valid N (listwise)	122				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
AmerIndAkNative	Equal variances assumed	3.393	.066	-920	1292	.358	-.009	.010	-.029	.011
	Equal variances not assumed			-920	1269.989	.358	-.009	.010	-.029	.011
AsianPacIsInder	Equal variances assumed	.323	.570	-.284	1292	.776	-.005	.016	-.037	.027
	Equal variances not assumed			-.284	1291.385	.776	-.005	.016	-.037	.027
Black	Equal variances assumed	7.506	.006	1.366	1292	.172	.015	.011	-.007	.038
	Equal variances not assumed			1.366	1255.402	.172	.015	.011	-.007	.038
Hispanic	Equal variances assumed	.471	.493	-.343	1292	.732	-.006	.018	-.042	.029
	Equal variances not assumed			-.343	1291.348	.732	-.006	.018	-.042	.029
White	Equal variances assumed	.051	.822	.113	1292	.910	.003	.027	-.051	.057
	Equal variances not assumed			.113	1291.998	.910	.003	.027	-.051	.057
Multiethnic	Equal variances assumed	.310	.578	-.278	1292	.781	-.005	.017	-.037	.028
	Equal variances not assumed			-.278	1291.448	.781	-.005	.017	-.037	.028
Decline	Equal variances assumed	2.185	.140	.738	1292	.460	.006	.008	-.010	.023
	Equal variances not assumed			.738	1270.455	.460	.006	.008	-.010	.023
SPED	Equal variances assumed	2.228	.136	-.746	1292	.456	-.014	.019	-.050	.023
	Equal variances not assumed			-.746	1289.281	.456	-.014	.019	-.050	.023

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Female	Equal variances assumed	5.072	.024	-2.340	1292	.019	-.065	.028	-.119	-.010
	Equal variances not assumed			-2.340	1291.972	.019	-.065	.028	-.119	-.010
ELL	Equal variances assumed	5.266	.022	1.145	1292	.252	.014	.012	-.010	.038
	Equal variances not assumed			1.145	1270.113	.252	.014	.012	-.010	.038
EconDsvntg	Equal variances assumed	.396	.529	.317	1009	.751	.010	.031	-.052	.071
	Equal variances not assumed			.317	1008.442	.751	.010	.031	-.052	.071
MSP Reading	Equal variances assumed	1.442	.230	.532	1290	.595	1.557	2.927	-4.186	7.300
	Equal variances not assumed			.532	1249.258	.595	1.557	2.927	-4.185	7.299
MSPRdg_Perf	Equal variances assumed	1.714	.191	-.655	1290	.513	-.01634	.02496	-.06531	.03263
	Equal variances not assumed			-.655	1289.426	.513	-.01634	.02496	-.06531	.03263
Fall09PRF	Equal variances assumed	1.366	.244	.691	252	.490	3.102	4.492	-5.744	11.949
	Equal variances not assumed			.691	249.451	.490	3.102	4.492	-5.744	11.949
Fall09MCRC	Equal variances assumed	1.522	.218	.911	252	.363	.386	.424	-.448	1.220
	Equal variances not assumed			.911	250.371	.363	.386	.424	-.448	1.220

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Fall09Voc	Equal variances assumed	.904	.343	.670	253	.504	.395	.590	-.767	1.558
	Equal variances not assumed			.670	251.992	.504	.395	.590	-.767	1.558
Wint10PRF	Equal variances assumed	.077	.781	-.019	285	.985	-.086	4.537	-9.017	8.845
	Equal variances not assumed			-.019	284.901	.985	-.086	4.534	-9.011	8.839
Wint10MCRC	Equal variances assumed	.144	.705	1.550	362	.122	.535	.345	-.144	1.213
	Equal variances not assumed			1.549	356.464	.122	.535	.345	-.144	1.214
Spr10PRF	Equal variances assumed	.031	.861	.254	309	.799	1.187	4.668	-7.997	10.372
	Equal variances not assumed			.254	305.431	.799	1.187	4.670	-8.002	10.377
Spr10MCRC	Equal variances assumed	.081	.776	-1.159	591	.247	-.373	.322	-1.006	.259
	Equal variances not assumed			-1.160	587.854	.246	-.373	.322	-1.005	.259
Spr10Voc	Equal variances assumed	1.618	.204	1.261	500	.208	.493	.391	-.275	1.262
	Equal variances not assumed			1.257	483.414	.209	.493	.393	-.278	1.265

Grade 4

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	627	50.0	50.0	50.0
	Group 2	628	50.0	50.0	100.0
	Total	1255	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American	17	2.7	2.7	2.7
		Indian/Alakan Native				
		Asian/Pacific Islander	60	9.6	9.6	12.3
		Black	30	4.8	4.8	17.1
		Hispanic	66	10.5	10.5	27.6
		White	371	59.2	59.2	86.8
		Multiethnic	70	11.2	11.2	97.9
		Decline	13	2.1	2.1	100.0
	Total	627	100.0	100.0		
Group 2	Valid	American	15	2.4	2.4	2.4
		Indian/Alakan Native				
		Asian/Pacific Islander	40	6.4	6.4	8.8
		Black	26	4.1	4.1	12.9
		Hispanic	87	13.9	13.9	26.8
		White	377	60.0	60.0	86.8
		Multiethnic	74	11.8	11.8	98.6
		Decline	9	1.4	1.4	100.0
	Total	628	100.0	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	539	86.0	86.0	86.0
		Yes	88	14.0	14.0	100.0
		Total	627	100.0	100.0	
Group 2	Valid	No	551	87.7	87.7	87.7
		Yes	77	12.3	12.3	100.0
		Total	628	100.0	100.0	

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	348	55.5	55.5	55.5
		Female	279	44.5	44.5	100.0
		Total	627	100.0	100.0	
Group 2	Valid	Male	295	47.0	47.0	47.0
		Female	333	53.0	53.0	100.0
		Total	628	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	605	96.5	96.5	96.5
		Yes	22	3.5	3.5	100.0
		Total	627	100.0	100.0	
Group 2	Valid	No	599	95.4	95.4	95.4
		Yes	29	4.6	4.6	100.0
		Total	628	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	299	47.7	59.0	59.0
		Yes	208	33.2	41.0	100.0
		Total	507	80.9	100.0	
	Missing	System	120	19.1		
	Total		627	100.0		
Group 2	Valid	No	258	41.1	54.0	54.0
		Yes	220	35.0	46.0	100.0
		Total	478	76.1	100.0	
	Missing	System	150	23.9		
	Total		628	100.0		

MSPRdg_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	186	29.7	29.8	29.8
		1.00	439	70.0	70.2	100.0
		Total	625	99.7	100.0	
	Missing	System	2	.3		
	Total		627	100.0		
Group 2	Valid	.00	211	33.6	33.7	33.7
		1.00	415	66.1	66.3	100.0
		Total	626	99.7	100.0	
	Missing	System	2	.3		
	Total		628	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	MSP Reading	625	0	475	403.56	40.878
	MSPRdg_Perf	625	.00	1.00	.7024	.45757
	Fall09PRF	63	43	178	102.97	26.538
	Fall09MCRC	63	0	19	10.89	4.337
	Fall09Voc	63	0	24	14.44	4.306
	Wint10PRF	107	37	199	119.83	32.643
	Wint10MCRC	178	0	19	13.87	3.591
	Spr10PRF	118	35	208	126.22	37.207
	Spr10MCRC	267	0	20	13.40	4.803
	Spr10Voc	222	0	25	18.84	4.289
	Valid N (listwise)	53				
Group 2	MSP Reading	626	0	475	400.58	49.460
	MSPRdg_Perf	626	.00	1.00	.6629	.47308
	Fall09PRF	68	25	187	100.04	32.429
	Fall09MCRC	68	0	19	10.32	3.880
	Fall09Voc	68	7	22	14.76	3.891
	Wint10PRF	140	35	199	119.22	33.773
	Wint10MCRC	223	0	20	14.30	3.723
	Spr10PRF	142	38	252	129.97	40.612
	Spr10MCRC	275	0	20	13.92	4.014
	Spr10Voc	244	0	25	18.52	4.279
	Valid N (listwise)	56				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
AmerIndAkNative	Equal variances assumed	.526	.469	.362	1253	.717	.003	.009	-.014	.021
	Equal variances not assumed			.362	1248.009	.717	.003	.009	-.014	.021
AsianPacIsInder	Equal variances assumed	17.780	.000	2.095	1253	.036	.032	.015	.002	.062
	Equal variances not assumed			2.095	1211.279	.036	.032	.015	.002	.062
Black	Equal variances assumed	1.223	.269	.553	1253	.581	.006	.012	-.016	.029
	Equal variances not assumed			.553	1246.811	.581	.006	.012	-.016	.029
Hispanic	Equal variances assumed	13.102	.000	-1.802	1253	.072	-.033	.018	-.069	.003
	Equal variances not assumed			-1.802	1236.293	.072	-.033	.018	-.069	.003
White	Equal variances assumed	.385	.535	-.311	1253	.756	-.009	.028	-.063	.046
	Equal variances not assumed			-.311	1252.968	.756	-.009	.028	-.063	.046
Multiethnic	Equal variances assumed	.473	.492	-.344	1253	.731	-.006	.018	-.042	.029
	Equal variances not assumed			-.344	1252.400	.731	-.006	.018	-.042	.029
Decline	Equal variances assumed	2.991	.084	.864	1253	.388	.006	.007	-.008	.021
	Equal variances not assumed			.864	1213.249	.388	.006	.007	-.008	.021
SPED	Equal variances assumed	3.463	.063	.929	1253	.353	.018	.019	-.020	.055
	Equal variances not assumed			.929	1248.671	.353	.018	.019	-.020	.055

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Female	Equal variances assumed	2.866	.091	-3.031	1253	.002	-.085	.028	-.140	-.030
	Equal variances not assumed			-3.031	1252.991	.002	-.085	.028	-.140	-.030
ELL	Equal variances assumed	3.968	.047	-.995	1253	.320	-.011	.011	-.033	.011
	Equal variances not assumed			-.995	1232.423	.320	-.011	.011	-.033	.011
EconDsvntg	Equal variances assumed	8.623	.003	-1.582	983	.114	-.050	.032	-.112	.012
	Equal variances not assumed			-1.582	977.900	.114	-.050	.032	-.112	.012
MSP Reading	Equal variances assumed	.906	.341	1.158	1249	.247	2.971	2.566	-2.063	8.004
	Equal variances not assumed			1.158	1206.916	.247	2.971	2.565	-2.063	8.004
MSPRdg_Perf	Equal variances assumed	8.955	.003	1.499	1249	.134	.03946	.02632	-.01217	.09109
	Equal variances not assumed			1.500	1247.743	.134	.03946	.02632	-.01217	.09109
Fall09PRF	Equal variances assumed	1.613	.206	.562	129	.575	2.924	5.201	-7.367	13.215
	Equal variances not assumed			.566	127.102	.572	2.924	5.162	-7.290	13.138
Fall09MCRC	Equal variances assumed	.818	.367	.787	129	.433	.565	.718	-.855	1.986
	Equal variances not assumed			.784	124.631	.435	.565	.721	-.862	1.993

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Fall09Voc	Equal variances assumed	.099	.753	-.447	129	.655	-.320	.716	-1.737	1.097
	Equal variances not assumed			-.445	125.056	.657	-.320	.719	-1.743	1.103
Wint10PRF	Equal variances assumed	.323	.570	.143	245	.887	.610	4.275	-7.809	9.030
	Equal variances not assumed			.143	231.980	.886	.610	4.255	-7.773	8.994
Wint10MCRC	Equal variances assumed	.353	.553	-1.166	399	.244	-.430	.368	-1.154	.294
	Equal variances not assumed			-1.171	385.044	.242	-.430	.367	-1.151	.292
Spr10PRF	Equal variances assumed	1.079	.300	-.770	258	.442	-3.751	4.871	-13.344	5.841
	Equal variances not assumed			-.776	255.524	.438	-3.751	4.832	-13.267	5.764
Spr10MCRC	Equal variances assumed	5.360	.021	-1.387	540	.166	-.527	.380	-1.273	.219
	Equal variances not assumed			-1.383	517.906	.167	-.527	.381	-1.275	.221
Spr10Voc	Equal variances assumed	.026	.873	.800	464	.424	.318	.397	-.463	1.099
	Equal variances not assumed			.800	459.664	.424	.318	.397	-.463	1.099

Grade 5

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	629	50.0	50.0	50.0
	Group 2	629	50.0	50.0	100.0
	Total	1258	100.0	100.0	

EthnicCd

Crossvalidation		Frequency	Percent	Valid Percent	Cumulative Percent	
Group 1	Valid	American	18	2.9	2.9	2.9
		Indian/Alakan Native				
		Asian/Pacific Islander	57	9.1	9.1	11.9
		Black	28	4.5	4.5	16.4
		Hispanic	74	11.8	11.8	28.1
		White	373	59.3	59.3	87.4
		Multiethnic	68	10.8	10.8	98.3
		Decline	11	1.7	1.7	100.0
	Total	629	100.0	100.0		
Group 2	Valid	American	21	3.3	3.3	3.3
		Indian/Alakan Native				
		Asian/Pacific Islander	60	9.5	9.5	12.9
		Black	28	4.5	4.5	17.3
		Hispanic	58	9.2	9.2	26.6
		White	369	58.7	58.7	85.2
		Multiethnic	80	12.7	12.7	97.9
		Decline	13	2.1	2.1	100.0
	Total	629	100.0	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	530	84.3	84.3	84.3
		Yes	99	15.7	15.7	100.0
		Total	629	100.0	100.0	
Group 2	Valid	No	522	83.0	83.0	83.0
		Yes	107	17.0	17.0	100.0
		Total	629	100.0	100.0	

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	328	52.1	52.1	52.1
		Female	301	47.9	47.9	100.0
		Total	629	100.0	100.0	
Group 2	Valid	Male	355	56.4	56.4	56.4
		Female	274	43.6	43.6	100.0
		Total	629	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	610	97.0	97.0	97.0
		Yes	19	3.0	3.0	100.0
		Total	629	100.0	100.0	
Group 2	Valid	No	603	95.9	95.9	95.9
		Yes	26	4.1	4.1	100.0
		Total	629	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	314	49.9	62.7	62.7
		Yes	187	29.7	37.3	100.0
		Total	501	79.7	100.0	
	Missing	System	128	20.3		
	Total	629	100.0			
Group 2	Valid	No	282	44.8	57.3	57.3
		Yes	210	33.4	42.7	100.0
		Total	492	78.2	100.0	
	Missing	System	137	21.8		
	Total	629	100.0			

MSPRdg_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	218	34.7	34.8	34.8
		1.00	409	65.0	65.2	100.0
		Total	627	99.7	100.0	
	Missing	System	2	.3		
	Total	629	100.0			
Group 2	Valid	.00	223	35.5	35.5	35.5
		1.00	405	64.4	64.5	100.0
		Total	628	99.8	100.0	
	Missing	System	1	.2		
	Total	629	100.0			

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	MSP Reading	627	0	475	406.32	42.143
	MSPRdg_Perf	627	.00	1.00	.6523	.47662
	Fall09PRF	70	0	240	133.79	47.972
	Fall09MCRC	70	4	18	13.20	3.086
	Fall09Voc	70	6	24	15.59	4.652
	Wint10PRF	120	3	248	144.30	43.860
	Wint10MCRC	137	4	20	15.39	3.385
	Spr10PRF	108	9	256	156.19	42.137
	Spr10MCRC	342	0	20	14.28	3.262
	Spr10Voc	291	5	25	19.53	3.933
	Valid N (listwise)	66				
Group 2	MSP Reading	628	0	475	402.05	50.601
	MSPRdg_Perf	628	.00	1.00	.6449	.47892
	Fall09PRF	78	13	236	127.42	44.388
	Fall09MCRC	77	0	20	13.14	3.546
	Fall09Voc	78	5	23	15.35	5.116
	Wint10PRF	131	21	241	137.76	38.889
	Wint10MCRC	159	6	20	15.82	2.892
	Spr10PRF	122	24	256	148.98	39.130
	Spr10MCRC	337	0	19	14.10	3.183
	Spr10Voc	283	0	25	18.96	4.279
	Valid N (listwise)	76				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
AmerIndAkNative	Equal variances assumed	.952	.329	-.488	1256	.626	-.005	.010	-.024	.014
	Equal variances not assumed			-.488	1249.072	.626	-.005	.010	-.024	.014
AsianPacIsInder	Equal variances assumed	.339	.561	-.291	1256	.771	-.005	.016	-.037	.027
	Equal variances not assumed			-.291	1255.335	.771	-.005	.016	-.037	.027
Black	Equal variances assumed	.000	1.000	.000	1256	1.000	.000	.012	-.023	.023
	Equal variances not assumed			.000	1256.000	1.000	.000	.012	-.023	.023
Hispanic	Equal variances assumed	8.719	.003	1.472	1256	.141	.025	.017	-.008	.059
	Equal variances not assumed			1.472	1241.734	.141	.025	.017	-.008	.059
White	Equal variances assumed	.210	.647	.229	1256	.819	.006	.028	-.048	.061
	Equal variances not assumed			.229	1255.993	.819	.006	.028	-.048	.061
Multiethnic	Equal variances assumed	4.420	.036	-1.050	1256	.294	-.019	.018	-.055	.017
	Equal variances not assumed			-1.050	1249.818	.294	-.019	.018	-.055	.017
Decline	Equal variances assumed	.679	.410	-.412	1256	.680	-.003	.008	-.018	.012
	Equal variances not assumed			-.412	1247.667	.680	-.003	.008	-.018	.012
SPED	Equal variances assumed	1.485	.223	-.609	1256	.543	-.013	.021	-.054	.028
	Equal variances not assumed			-.609	1254.775	.543	-.013	.021	-.054	.028

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Female	Equal variances assumed	7.519	.006	1.528	1256	.127	.043	.028	-.012	.098
	Equal variances not assumed			1.528	1255.931	.127	.043	.028	-.012	.098
ELL	Equal variances assumed	4.530	.034	-1.062	1256	.288	-.011	.010	-.032	.009
	Equal variances not assumed			-1.062	1228.391	.288	-.011	.010	-.032	.009
EconDsvntg	Equal variances assumed	11.167	.001	-1.724	991	.085	-.054	.031	-.115	.007
	Equal variances not assumed			-1.724	989.374	.085	-.054	.031	-.115	.007
MSP Reading	Equal variances assumed	.455	.500	1.626	1253	.104	4.274	2.629	-.883	9.432
	Equal variances not assumed			1.626	1213.958	.104	4.274	2.629	-.883	9.432
MSPRdg_Perf	Equal variances assumed	.302	.583	.275	1253	.784	.00741	.02697	-.04551	.06033
	Equal variances not assumed			.275	1252.987	.784	.00741	.02697	-.04551	.06033
Fall09PRF	Equal variances assumed	.477	.491	.838	146	.403	6.363	7.593	-8.643	21.368
	Equal variances not assumed			.834	141.115	.405	6.363	7.625	-8.711	21.436
Fall09MCRC	Equal variances assumed	.922	.339	.104	145	.918	.057	.551	-1.031	1.146
	Equal variances not assumed			.104	144.737	.917	.057	.547	-1.024	1.139

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Fall09Voc	Equal variances assumed	.655	.420	.297	146	.767	.240	.807	-1.356	1.835
	Equal variances not assumed			.298	145.973	.766	.240	.803	-1.347	1.826
Wint10PRF	Equal variances assumed	1.113	.292	1.251	249	.212	6.537	5.224	-3.752	16.825
	Equal variances not assumed			1.245	238.764	.214	6.537	5.251	-3.808	16.881
Wint10MCRC	Equal variances assumed	2.134	.145	-1.178	294	.240	-.430	.365	-1.148	.288
	Equal variances not assumed			-1.164	269.167	.245	-.430	.369	-1.156	.297
Spr10PRF	Equal variances assumed	.876	.350	1.345	228	.180	7.210	5.360	-3.352	17.771
	Equal variances not assumed			1.339	219.570	.182	7.210	5.384	-3.402	17.821
Spr10MCRC	Equal variances assumed	.262	.609	.727	677	.468	.180	.247	-.306	.665
	Equal variances not assumed			.727	676.936	.468	.180	.247	-.306	.665
Spr10Voc	Equal variances assumed	.569	.451	1.657	572	.098	.568	.343	-.105	1.242
	Equal variances not assumed			1.655	564.930	.098	.568	.343	-.106	1.243

Grade 6**Crossvalidation**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	593	50.0	50.0	50.0
	Group 2	592	50.0	50.0	100.0
	Total	1185	100.0	100.0	

EthnicCd

Crossvalidation		Frequency	Percent	Valid Percent	Cumulative Percent	
Group 1	Valid	American	23	3.9	3.9	3.9
		Indian/Alakan Native				
		Asian/Pacific Islander	47	7.9	7.9	11.8
		Black	28	4.7	4.7	16.5
		Hispanic	53	8.9	8.9	25.5
		White	379	63.9	63.9	89.4
		Multiethnic	50	8.4	8.4	97.8
		Decline	13	2.2	2.2	100.0
	Total	593	100.0	100.0		
Group 2	Valid	American	20	3.4	3.4	3.4
		Indian/Alakan Native				
		Asian/Pacific Islander	51	8.6	8.6	12.0
		Black	28	4.7	4.7	16.7
		Hispanic	76	12.8	12.8	29.6
		White	348	58.8	58.8	88.3
		Multiethnic	58	9.8	9.8	98.1
		Decline	11	1.9	1.9	100.0
	Total	592	100.0	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	521	87.9	87.9	87.9
		Yes	72	12.1	12.1	100.0
		Total	593	100.0	100.0	
Group 2	Valid	No	536	90.5	90.5	90.5
		Yes	56	9.5	9.5	100.0
		Total	592	100.0	100.0	

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	305	51.4	51.4	51.4
		Female	288	48.6	48.6	100.0
		Total	593	100.0	100.0	
Group 2	Valid	Male	298	50.3	50.3	50.3
		Female	294	49.7	49.7	100.0
		Total	592	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	580	97.8	97.8	97.8
		Yes	13	2.2	2.2	100.0
		Total	593	100.0	100.0	
Group 2	Valid	No	573	96.8	96.8	96.8
		Yes	19	3.2	3.2	100.0
		Total	592	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	292	49.2	62.9	62.9
		Yes	172	29.0	37.1	100.0
		Total	464	78.2	100.0	
	Missing	System	129	21.8		
	Total		593	100.0		
Group 2	Valid	No	267	45.1	56.6	56.6
		Yes	205	34.6	43.4	100.0
		Total	472	79.7	100.0	
	Missing	System	120	20.3		
	Total		592	100.0		

MSPRdg_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	214	36.1	36.1	36.1
		1.00	379	63.9	63.9	100.0
		Total	593	100.0	100.0	
Group 2	Valid	.00	245	41.4	41.5	41.5
		1.00	346	58.4	58.5	100.0
		Total	591	99.8	100.0	
	Missing	System	1	.2		
	Total		592	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	MSP Reading	593	0	475	399.37	45.268
	MSPRdg_Perf	593	.00	1.00	.6391	.48066
	Fall09PRF	123	74	236	143.78	32.255
	Fall09MCRC	124	6	19	14.26	2.927
	Fall09Voc	124	6	23	14.66	3.899
	Wint10PRF	127	87	259	169.20	37.026
	Wint10MCRC	138	0	19	13.79	2.873
	Spr10PRF	28	80	299	161.36	51.746
	Spr10MCRC	457	0	20	14.27	3.532
	Spr10Voc	413	1	25	16.01	4.084
	Valid N (listwise)	1				
Group 2	MSP Reading	591	6	475	401.33	26.973
	MSPRdg_Perf	591	.00	1.00	.5854	.49306
	Fall09PRF	108	75	247	146.97	30.887
	Fall09MCRC	109	1	19	13.72	2.909
	Fall09Voc	108	2	23	14.19	4.442
	Wint10PRF	115	65	247	165.78	35.536
	Wint10MCRC	123	0	19	13.42	3.141
	Spr10PRF	34	84	280	178.00	51.663
	Spr10MCRC	441	0	20	14.30	3.352
	Spr10Voc	392	0	25	15.63	4.259
	Valid N (listwise)	0				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
AmerIndAkNative	Equal variances assumed	.847	.358	.460	1183	.646	.005	.011	-.016	.026
	Equal variances not assumed			.460	1178.075	.646	.005	.011	-.016	.026
AsianPacIslnder	Equal variances assumed	.741	.390	-.430	1183	.667	-.007	.016	-.038	.025
	Equal variances not assumed			-.430	1181.148	.667	-.007	.016	-.038	.025
Black	Equal variances assumed	.000	.990	-.006	1183	.995	.000	.012	-.024	.024
	Equal variances not assumed			-.006	1182.993	.995	.000	.012	-.024	.024
Hispanic	Equal variances assumed	18.872	.000	-2.158	1183	.031	-.039	.018	-.074	-.004
	Equal variances not assumed			-2.157	1153.645	.031	-.039	.018	-.074	-.004
White	Equal variances assumed	12.649	.000	1.814	1183	.070	.051	.028	-.004	.107
	Equal variances not assumed			1.814	1182.182	.070	.051	.028	-.004	.107
Multiethnic	Equal variances assumed	2.670	.103	-.816	1183	.415	-.014	.017	-.046	.019
	Equal variances not assumed			-.816	1177.374	.415	-.014	.017	-.046	.019
Decline	Equal variances assumed	.666	.415	.408	1183	.683	.003	.008	-.013	.019
	Equal variances not assumed			.408	1175.641	.683	.003	.008	-.013	.019
SPED	Equal variances assumed	8.906	.003	1.487	1183	.137	.027	.018	-.009	.062
	Equal variances not assumed			1.488	1169.446	.137	.027	.018	-.009	.062

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Female	Equal variances assumed	.411	.522	-.377	1183	.706	-.011	.029	-.068	.046
	Equal variances not assumed			-.377	1182.995	.706	-.011	.029	-.068	.046
ELL	Equal variances assumed	4.681	.031	-1.080	1183	.280	-.010	.009	-.029	.008
	Equal variances not assumed			-1.080	1143.881	.281	-.010	.009	-.029	.008
EconDsvntg	Equal variances assumed	14.563	.000	-1.987	934	.047	-.064	.032	-.126	-.001
	Equal variances not assumed			-1.987	933.928	.047	-.064	.032	-.126	-.001
MSP Reading	Equal variances assumed	3.252	.072	-.906	1182	.365	-1.964	2.167	-6.215	2.287
	Equal variances not assumed			-.907	965.916	.365	-1.964	2.165	-6.212	2.284
MSPRdg_Perf	Equal variances assumed	13.759	.000	1.897	1182	.058	.05367	.02830	-.00185	.10920
	Equal variances not assumed			1.897	1181.017	.058	.05367	.02830	-.00185	.10920
Fall09PRF	Equal variances assumed	.648	.422	-.765	229	.445	-3.192	4.170	-11.408	5.025
	Equal variances not assumed			-.768	227.264	.444	-3.192	4.158	-11.386	5.002
Fall09MCRC	Equal variances assumed	.001	.971	1.392	231	.165	.533	.383	-.222	1.288
	Equal variances not assumed			1.392	227.538	.165	.533	.383	-.221	1.288

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Fall09Voc	Equal variances assumed	1.515	.220	.853	230	.395	.467	.548	-.612	1.546
	Equal variances not assumed			.845	214.693	.399	.467	.553	-.622	1.556
Wint10PRF	Equal variances assumed	.237	.627	.730	240	.466	3.414	4.676	-5.797	12.625
	Equal variances not assumed			.732	239.178	.465	3.414	4.666	-5.778	12.607
Wint10MCRC	Equal variances assumed	1.803	.180	.986	259	.325	.367	.372	-.366	1.100
	Equal variances not assumed			.981	248.647	.328	.367	.374	-.370	1.104
Spr10PRF	Equal variances assumed	.162	.689	-1.261	60	.212	-16.643	13.194	-43.034	9.749
	Equal variances not assumed			-1.261	57.706	.212	-16.643	13.196	-43.060	9.774
Spr10MCRC	Equal variances assumed	.331	.565	-.132	896	.895	-.030	.230	-.482	.421
	Equal variances not assumed			-.132	895.757	.895	-.030	.230	-.481	.421
Spr10Voc	Equal variances assumed	.703	.402	1.325	803	.186	.390	.294	-.188	.967
	Equal variances not assumed			1.323	795.934	.186	.390	.294	-.188	.967

Grade 7

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	604	50.0	50.0	50.0
	Group 2	603	50.0	50.0	100.0
	Total	1207	100.0	100.0	

EthnicCd

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	American	19	3.1	3.1	3.1
		Indian/Alakan Native				
		Asian/Pacific Islander	52	8.6	8.6	11.8
		Black	46	7.6	7.6	19.4
		Hispanic	70	11.6	11.6	31.0
		White	370	61.3	61.3	92.2
		Multiethnic	24	4.0	4.0	96.2
		Decline	23	3.8	3.8	100.0
	Total	604	100.0	100.0		
Group 2	Valid	American	19	3.2	3.2	3.2
		Indian/Alakan Native				
		Asian/Pacific Islander	53	8.8	8.8	11.9
		Black	45	7.5	7.5	19.4
		Hispanic	63	10.4	10.4	29.9
		White	362	60.0	60.0	89.9
		Multiethnic	39	6.5	6.5	96.4
		Decline	22	3.6	3.6	100.0
	Total	603	100.0	100.0		

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	534	88.4	88.4	88.4
		Yes	70	11.6	11.6	100.0
		Total	604	100.0	100.0	
Group 2	Valid	No	533	88.4	88.4	88.4
		Yes	70	11.6	11.6	100.0
		Total	603	100.0	100.0	

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	299	49.5	49.5	49.5
		Female	305	50.5	50.5	100.0
		Total	604	100.0	100.0	
Group 2	Valid	Male	318	52.7	52.7	52.7
		Female	285	47.3	47.3	100.0
		Total	603	100.0	100.0	

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	587	97.2	97.2	97.2
		Yes	17	2.8	2.8	100.0
		Total	604	100.0	100.0	
Group 2	Valid	No	590	97.8	97.8	97.8
		Yes	13	2.2	2.2	100.0
		Total	603	100.0	100.0	

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	289	47.8	58.7	58.7
		Yes	203	33.6	41.3	100.0
		Total	492	81.5	100.0	
	Missing	System	112	18.5		
	Total		604	100.0		
Group 2	Valid	No	307	50.9	63.2	63.2
		Yes	179	29.7	36.8	100.0
		Total	486	80.6	100.0	
	Missing	System	117	19.4		
	Total		603	100.0		

MSPRdg_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	227	37.6	38.0	38.0
		1.00	370	61.3	62.0	100.0
		Total	597	98.8	100.0	
	Missing	System	7	1.2		
	Total		604	100.0		
Group 2	Valid	.00	209	34.7	35.0	35.0
		1.00	388	64.3	65.0	100.0
		Total	597	99.0	100.0	
	Missing	System	6	1.0		
	Total		603	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	MSP Reading	597	12	475	402.53	40.283
	MSPRdg_Perf	597	.00	1.00	.6198	.48585
	Fall09PRF	98	91	257	150.80	30.731
	Fall09MCRC	101	0	20	13.76	3.573
	Fall09Voc	102	4	24	13.61	4.426
	Wint10PRF	217	46	304	170.93	41.692
	Wint10MCRC	182	0	19	14.90	3.106
	Spr10PRF	128	49	255	150.11	39.459
	Spr10MCRC	541	0	19	12.22	3.082
	Spr10Voc	405	0	25	14.63	4.069
	Valid N (listwise)	84				
Group 2	MSP Reading	597	6	475	404.61	37.015
	MSPRdg_Perf	597	.00	1.00	.6499	.47740
	Fall09PRF	100	72	240	145.19	28.632
	Fall09MCRC	110	6	18	13.18	2.956
	Fall09Voc	108	3	24	13.00	4.207
	Wint10PRF	215	39	265	166.46	39.525
	Wint10MCRC	161	2	20	14.86	3.049
	Spr10PRF	135	52	224	149.61	33.138
	Spr10MCRC	530	0	19	12.09	2.975
	Spr10Voc	411	0	24	14.55	4.214
	Valid N (listwise)	87				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
AmerIndAkNative	Equal variances assumed	.000	.992	-.005	1205	.996	.000	.010	-.020	.020
	Equal variances not assumed			-.005	1204.993	.996	.000	.010	-.020	.020
AsianPacIsInder	Equal variances assumed	.049	.824	-.111	1205	.912	-.002	.016	-.034	.030
	Equal variances not assumed			-.111	1204.854	.912	-.002	.016	-.034	.030
Black	Equal variances assumed	.041	.840	.101	1205	.920	.002	.015	-.028	.031
	Equal variances not assumed			.101	1204.929	.920	.002	.015	-.028	.031
Hispanic	Equal variances assumed	1.604	.206	.633	1205	.527	.011	.018	-.024	.047
	Equal variances not assumed			.633	1202.698	.527	.011	.018	-.024	.047
White	Equal variances assumed	.756	.385	.435	1205	.663	.012	.028	-.043	.067
	Equal variances not assumed			.435	1204.939	.663	.012	.028	-.043	.067
Multiethnic	Equal variances assumed	15.382	.000	-1.949	1205	.051	-.025	.013	-.050	.000
	Equal variances not assumed			-1.949	1145.431	.052	-.025	.013	-.050	.000
Decline	Equal variances assumed	.085	.770	.146	1205	.884	.002	.011	-.020	.023
	Equal variances not assumed			.146	1204.569	.884	.002	.011	-.020	.023
SPED	Equal variances assumed	.000	.983	-.010	1205	.992	.000	.018	-.036	.036
	Equal variances not assumed			-.010	1204.993	.992	.000	.018	-.036	.036

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Female	Equal variances assumed	1.640	.201	1.123	1205	.262	.032	.029	-.024	.089
	Equal variances not assumed			1.123	1205.000	.262	.032	.029	-.024	.089
ELL	Equal variances assumed	2.162	.142	.735	1205	.463	.007	.009	-.011	.024
	Equal variances not assumed			.735	1185.708	.463	.007	.009	-.011	.024
EconDsvntg	Equal variances assumed	7.823	.005	1.419	976	.156	.044	.031	-.017	.106
	Equal variances not assumed			1.420	975.935	.156	.044	.031	-.017	.106
MSP Reading	Equal variances assumed	.322	.571	-930	1192	.353	-2.082	2.239	-6.475	2.311
	Equal variances not assumed			-930	1183.566	.353	-2.082	2.239	-6.475	2.311
MSPRdg_Perf	Equal variances assumed	4.639	.031	-1.082	1192	.280	-.03015	.02788	-.08485	.02454
	Equal variances not assumed			-1.082	1191.633	.280	-.03015	.02788	-.08485	.02454
Fall09PRF	Equal variances assumed	.464	.496	1.328	196	.186	5.606	4.220	-2.717	13.928
	Equal variances not assumed			1.327	194.395	.186	5.606	4.223	-2.723	13.935
Fall09MCRC	Equal variances assumed	1.117	.292	1.290	209	.198	.581	.450	-.307	1.468
	Equal variances not assumed			1.280	194.663	.202	.581	.454	-.314	1.475

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Fall09Voc	Equal variances assumed	.734	.392	1.020	208	.309	.608	.596	-.567	1.782
	Equal variances not assumed			1.019	205.605	.309	.608	.597	-.568	1.784
Wint10PRF	Equal variances assumed	.185	.668	1.143	430	.253	4.470	3.909	-3.214	12.154
	Equal variances not assumed			1.144	429.166	.253	4.470	3.909	-3.212	12.153
Wint10MCRC	Equal variances assumed	.104	.747	.132	341	.895	.044	.333	-.611	.699
	Equal variances not assumed			.132	337.309	.895	.044	.333	-.611	.699
Spr10PRF	Equal variances assumed	4.655	.032	.110	261	.912	.495	4.485	-8.336	9.325
	Equal variances not assumed			.110	248.378	.913	.495	4.505	-8.379	9.368
Spr10MCRC	Equal variances assumed	.069	.793	.669	1069	.504	.124	.185	-.239	.487
	Equal variances not assumed			.669	1068.773	.504	.124	.185	-.239	.487
Spr10Voc	Equal variances assumed	.520	.471	.258	814	.796	.075	.290	-.495	.644
	Equal variances not assumed			.258	813.663	.796	.075	.290	-.494	.644

Grade 8

Crossvalidation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Group 1	900	50.0	50.0	50.0
	Group 2	900	50.0	50.0	100.0
	Total	1800	100.0	100.0	

EthnicCd

Crossvalidation		Frequency	Percent	Valid Percent	Cumulative Percent	
Group 1	Valid	American	31	3.4	3.7	3.7
		Indian/Alakan Native				
		Asian/Pacific Islander	71	7.9	8.4	12.0
		Black	58	6.4	6.8	18.9
		Hispanic	111	12.3	13.1	32.0
		White	558	62.0	65.8	97.8
		Multiethnic	10	1.1	1.2	98.9
		Decline	9	1.0	1.1	100.0
		Total	848	94.2	100.0	
	Missing System	52	5.8			
Total	900	100.0				
Group 2	Valid	American	46	5.1	5.4	5.4
		Indian/Alakan Native				
		Asian/Pacific Islander	92	10.2	10.8	16.2
		Black	60	6.7	7.1	23.3
		Hispanic	100	11.1	11.8	35.0
		White	538	59.8	63.2	98.2
		Multiethnic	7	.8	.8	99.1
		Decline	8	.9	.9	100.0
		Total	851	94.6	100.0	
	Missing System	49	5.4			
Total	900	100.0				

SPED

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	752	83.6	88.1	88.1
		Yes	102	11.3	11.9	100.0
		Total	854	94.9	100.0	
	Missing	System	46	5.1		
	Total		900	100.0		
Group 2	Valid	No	764	84.9	88.7	88.7
		Yes	97	10.8	11.3	100.0
		Total	861	95.7	100.0	
	Missing	System	39	4.3		
	Total		900	100.0		

Female

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Male	459	51.0	55.2	55.2
		Female	373	41.4	44.8	100.0
		Total	832	92.4	100.0	
	Missing	System	68	7.6		
	Total		900	100.0		
Group 2	Valid	Male	417	46.3	50.1	50.1
		Female	415	46.1	49.9	100.0
		Total	832	92.4	100.0	
	Missing	System	68	7.6		
	Total		900	100.0		

ELL

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	No	829	92.1	97.1	97.1
		Yes	25	2.8	2.9	100.0
		Total	854	94.9	100.0	
	Missing	System	46	5.1		
	Total		900	100.0		
Group 2	Valid	No	840	93.3	97.6	97.6
		Yes	21	2.3	2.4	100.0
		Total	861	95.7	100.0	
	Missing	System	39	4.3		
	Total		900	100.0		

EconDsvntg

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	Not eligible	378	42.0	67.6	67.6
		Eligible	181	20.1	32.4	100.0
		Total	559	62.1	100.0	
	Missing	System	341	37.9		
	Total		900	100.0		
Group 2	Valid	Not eligible	323	35.9	58.1	58.1
		Eligible	233	25.9	41.9	100.0
		Total	556	61.8	100.0	
	Missing	System	344	38.2		
	Total		900	100.0		

MSPRdg_Perf

Crossvalidation			Frequency	Percent	Valid Percent	Cumulative Percent
Group 1	Valid	.00	283	31.4	36.4	36.4
		1.00	495	55.0	63.6	100.0
		Total	778	86.4	100.0	
	Missing	System	122	13.6		
	Total		900	100.0		
Group 2	Valid	.00	252	28.0	31.9	31.9
		1.00	538	59.8	68.1	100.0
		Total	790	87.8	100.0	
	Missing	System	110	12.2		
	Total		900	100.0		

Descriptive Statistics

Crossvalidation		N	Minimum	Maximum	Mean	Std. Deviation
Group 1	MSP Reading	778	0	500	399.44	61.368
	MSPRdg_Perf	778	.00	1.00	.6362	.48139
	Fall09PRF	242	15	267	144.14	41.718
	Fall09MCRC	0				
	Fall09Voc	0				
	Wint10PRF	252	32	267	154.23	42.613
	Wint10MCRC	270	0	19	12.25	3.482
	Spr10PRF	255	25	248	167.81	37.370
	Spr10MCRC	420	0	19	12.84	3.552
	Spr10Voc	161	0	24	15.80	4.957
	Valid N (listwise)	0				
Group 2	MSP Reading	790	0	500	406.46	44.160
	MSPRdg_Perf	790	.00	1.00	.6810	.46638
	Fall09PRF	250	15	267	144.21	41.982
	Fall09MCRC	0				
	Fall09Voc	0				
	Wint10PRF	264	32	267	154.27	41.160
	Wint10MCRC	278	0	19	12.11	3.755
	Spr10PRF	260	25	274	169.16	37.359
	Spr10MCRC	463	0	20	12.60	3.819
	Spr10Voc	183	0	25	15.83	4.718
	Valid N (listwise)	0				

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
AmerIndAkNative	Equal variances assumed	12.112	.001	-1.734	1697	.083	-.017	.010	-.037	.002
	Equal variances not assumed			-1.735	1643.288	.083	-.017	.010	-.037	.002
AsianPacIsInder	Equal variances assumed	11.722	.001	-1.707	1697	.088	-.024	.014	-.052	.004
	Equal variances not assumed			-1.707	1676.604	.088	-.024	.014	-.052	.004
Black	Equal variances assumed	.117	.733	-.171	1697	.864	-.002	.012	-.026	.022
	Equal variances not assumed			-.171	1696.812	.864	-.002	.012	-.026	.022
Hispanic	Equal variances assumed	2.801	.094	.836	1697	.403	.013	.016	-.018	.045
	Equal variances not assumed			.836	1692.802	.403	.013	.016	-.018	.045
White	Equal variances assumed	4.923	.027	1.112	1697	.266	.026	.023	-.020	.071
	Equal variances not assumed			1.112	1696.720	.266	.026	.023	-.020	.071
Multiethnic	Equal variances assumed	2.183	.140	.738	1697	.460	.004	.005	-.006	.013
	Equal variances not assumed			.738	1643.791	.461	.004	.005	-.006	.013
Decline	Equal variances assumed	.252	.616	.251	1697	.802	.001	.005	-.008	.011
	Equal variances not assumed			.251	1690.184	.802	.001	.005	-.008	.011
SPED	Equal variances assumed	.768	.381	.438	1713	.661	.007	.015	-.024	.037
	Equal variances not assumed			.438	1711.075	.661	.007	.015	-.024	.037

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Female	Equal variances assumed	8.960	.003	-2.064	1662	.039	-.050	.024	-.098	-.002
	Equal variances not assumed			-2.064	1661.952	.039	-.050	.024	-.098	-.002
ELL	Equal variances assumed	1.567	.211	.626	1713	.532	.005	.008	-.010	.020
	Equal variances not assumed			.625	1697.144	.532	.005	.008	-.010	.020
EconDsvntg	Equal variances assumed	39.729	.000	-3.305	1113	.001	-.095	.029	-.152	-.039
	Equal variances not assumed			-3.305	1109.222	.001	-.095	.029	-.152	-.039
MSP Reading	Equal variances assumed	5.011	.025	-2.604	1566	.009	-7.022	2.697	-12.313	-1.732
	Equal variances not assumed			-2.598	1410.336	.009	-7.022	2.704	-12.326	-1.719
MSPRdg_Perf	Equal variances assumed	13.810	.000	1.870	1566	.062	-.04477	.02394	-.09171	.00218
	Equal variances not assumed			1.870	1562.552	.062	-.04477	.02394	-.09173	.00219
Fall09PRF	Equal variances assumed	.104	.747	-.018	490	.986	-.068	3.774	-7.483	7.348
	Equal variances not assumed			-.018	489.662	.986	-.068	3.774	-7.482	7.347
Wint10PRF	Equal variances assumed	.506	.477	-.009	514	.992	-.035	3.688	-7.280	7.211
	Equal variances not assumed			-.009	510.629	.992	-.035	3.691	-7.286	7.216
Wint10MCRC	Equal variances assumed	1.212	.272	.453	546	.651	.140	.310	-.468	.748
	Equal variances not assumed			.453	544.852	.650	.140	.309	-.467	.748

Independent Samples Test Continued

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Spr10PRF	Equal variances assumed	.311	.577	-.410	513	.682	-1.350	3.293	-7.819	5.120
	Equal variances not assumed			-.410	512.800	.682	-1.350	3.293	-7.819	5.120
Spr10MCRC	Equal variances assumed	.739	.390	.982	881	.327	.244	.249	-.244	.733
	Equal variances not assumed			.985	880.450	.325	.244	.248	-.243	.731
Spr10Voc	Equal variances assumed	.981	.323	-.056	342	.955	-.029	.522	-1.056	.997
	Equal variances not assumed			-.056	331.540	.955	-.029	.524	-1.060	1.001

Appendix B: ROC Analyses

**Grade 3
Fall PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	40
	Negative	86
	Missing	521
Group 2	Positive ^a	52
	Negative	75
	Missing	520

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

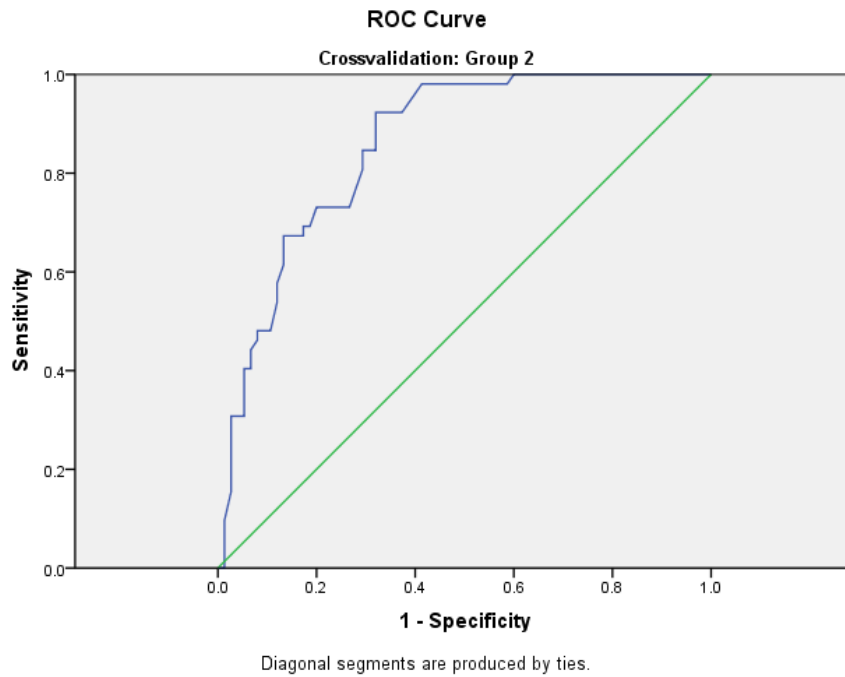
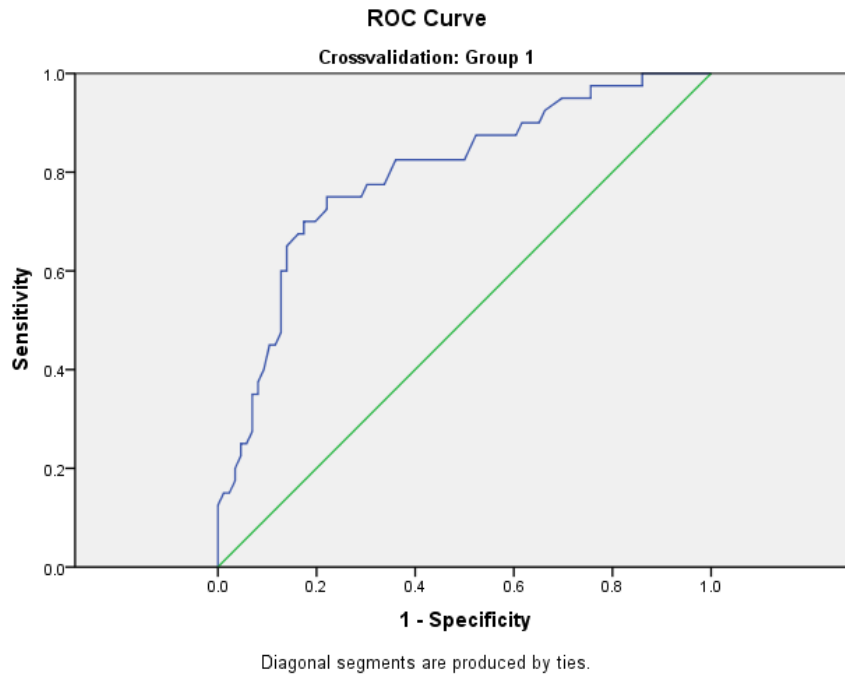
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.796	.043	.000	.710	.881
Group 2	.857	.032	.000	.793	.920

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.



**Grade 3
Fall PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
8.00	-	-	.000	1.000
9.50	-	-	.000	.987
10.50	-	-	.019	.987
12.50	-	-	.038	.987
13.00	.000	1.000	-	-
16.50	-	-	.058	.987
19.00	.050	1.000	-	-
20.50	-	-	.077	.987
22.50	-	-	.096	.987
23.50	-	-	.154	.973
24.50	.075	1.000	-	-
25.00	-	-	.173	.973
25.50	.100	1.000	-	-
26.50	.125	1.000	.192	.973
27.50	.150	.988	.231	.973
28.50	.150	.977	.250	.973
30.00	-	-	.269	.973
30.50	.175	.965	-	-
32.00	-	-	.288	.973
32.50	.200	.965	-	-
33.50	.225	.953	.308	.973
34.50	.250	.953	-	-
35.00	-	-	.308	.960
35.50	.250	.942	-	-
36.50	.275	.930	-	-
37.50	.300	.930	.308	.947
38.50	.325	.930	-	-
39.50	.350	.930	-	-
40.00	-	-	.327	.947
41.50	.350	.919	-	-
42.00	-	-	.346	.947
44.00	.375	.919	-	-
44.50	-	-	.385	.947
45.50	.400	.907	-	-
46.50	-	-	.404	.947
47.50	.450	.895	.404	.933

Grade 3
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
48.50	-	-	.442	.933
49.50	.450	.884	-	-
50.00	-	-	.462	.920
51.00	.475	.872	-	-
52.50	-	-	.481	.920
54.50	.500	.872	.481	.907
55.50	-	-	.481	.893
57.50	.525	.872	.538	.880
58.50	.550	.872	-	-
59.50	.600	.872	.577	.880
60.50	-	-	.615	.867
61.00	.600	.860	-	-
61.50	-	-	.673	.867
62.50	.650	.860	.673	.827
63.50	-	-	.692	.827
64.50	.675	.837	.692	.813
65.50	-	-	.731	.800
66.50	.675	.826	.731	.773
67.50	.700	.826	-	-
68.00	-	-	.731	.747
68.50	.700	.814	-	-
69.50	.700	.802	.731	.733
71.00	-	-	.769	.720
71.50	.725	.779	-	-
72.50	-	-	.808	.707
73.50	.750	.779	.827	.707
74.50	.750	.767	.846	.707
75.50	.750	.756	.846	.693
76.50	.750	.744	.846	.680
77.50	-	-	.885	.680
78.00	.750	.733	-	-
79.00	-	-	.923	.680
79.50	.750	.709	-	-
80.50	.775	.698	-	-
81.50	.775	.663	.923	.667
82.50	.825	.640	-	-

Grade 3
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
83.50	.825	.628	-	-
84.00	-	-	.923	.627
85.00	.825	.605	-	-
85.50	-	-	.942	.613
86.50	.825	.593	.962	.600
87.50	.825	.558	-	-
88.00	-	-	.981	.587
88.50	.825	.547	-	-
89.50	.825	.500	-	-
90.00	-	-	.981	.547
90.50	.875	.477	-	-
91.50	.875	.465	-	-
92.00	-	-	.981	.520
92.50	.875	.453	-	-
93.50	.875	.442	.981	.480
94.50	.875	.430	.981	.453
95.50	-	-	.981	.413
96.00	.875	.407	-	-
97.00	-	-	1.000	.400
97.50	.875	.395	-	-
98.50	.900	.384	1.000	.387
100.00	.900	.372	-	-
100.50	-	-	1.000	.373
101.50	.900	.349	-	-
102.50	-	-	1.000	.360
103.00	.925	.337	-	-
104.00	-	-	1.000	.347
104.50	.950	.302	-	-
105.50	.950	.291	-	-
106.50	.950	.279	1.000	.333
108.00	.950	.256	-	-
109.50	.950	.244	-	-
110.00	-	-	1.000	.320
110.50	.975	.244	-	-
111.50	.975	.233	-	-
112.50	.975	.198	-	-

Grade 3
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
113.50	.975	.140	1.000	.307
116.00	-	-	1.000	.293
115.00	1.000	.140	-	-
118.00	1.000	.105	1.000	.280
120.00	-	-	1.000	.253
121.50	1.000	.093	1.000	.240
122.50	-	-	1.000	.227
123.50	1.000	.081	-	-
125.00	-	-	1.000	.213
128.00	1.000	.070	1.000	.200
130.00	-	-	1.000	.187
135.00	-	-	1.000	.160
136.00	1.000	.058	-	-
139.50	-	-	1.000	.147
140.50	-	-	1.000	.133
142.00	-	-	1.000	.120
145.00	1.000	.047	-	-
146.00	-	-	1.000	.107
150.50	-	-	1.000	.080
155.50	-	-	1.000	.067
158.50	1.000	.035	-	-
159.50	-	-	1.000	.053
160.50	-	-	1.000	.040
164.00	-	-	1.000	.013
168.00	-	-	1.000	.000
175.00	1.000	.023	-	-
191.00	1.000	.012	-	-
200.00	1.000	.000	-	-

**Grade 3
Fall MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	40
	Negative	86
	Missing	521
Group 2	Positive ^a	52
	Negative	75
	Missing	520

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

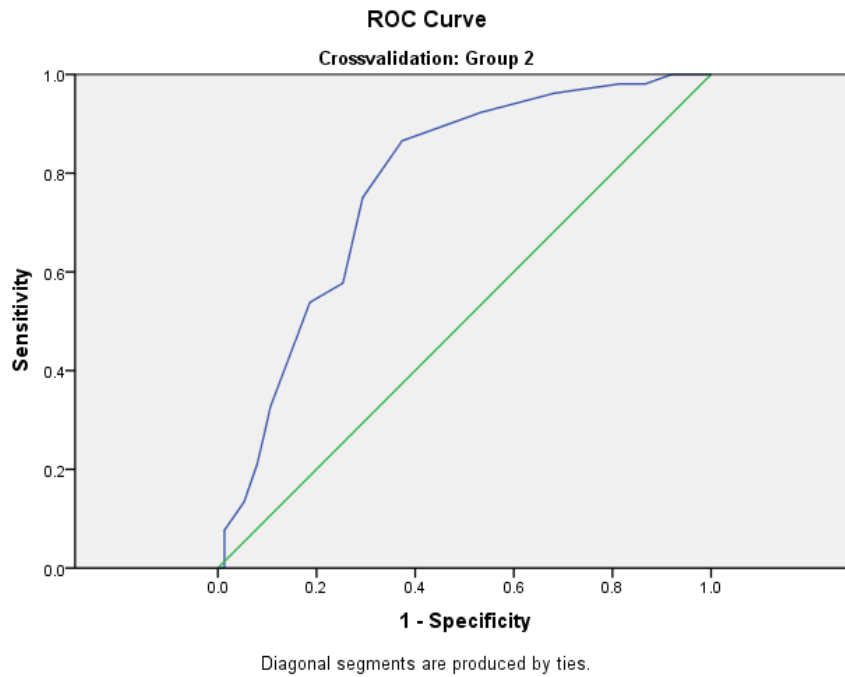
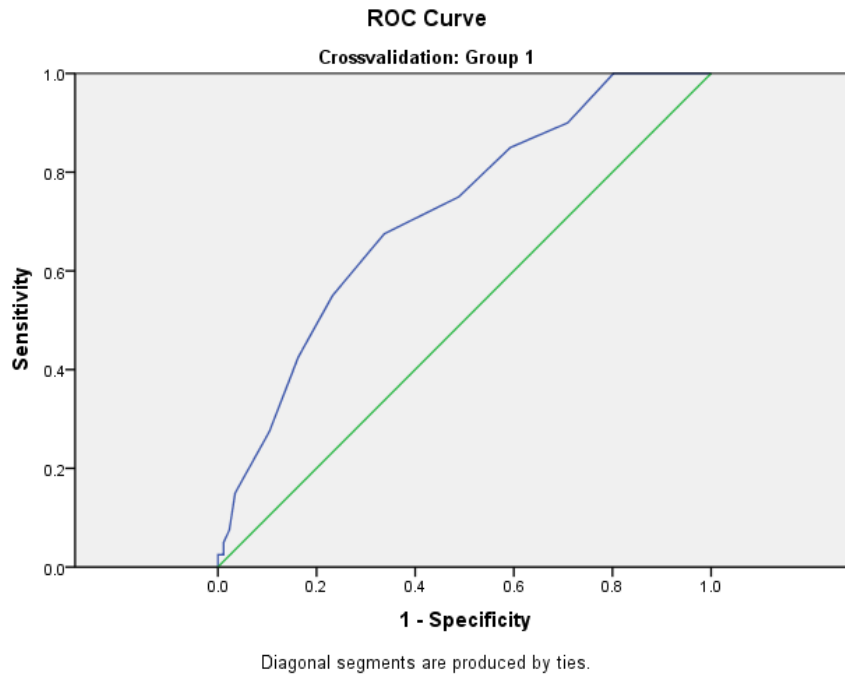
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.715	.048	.000	.621	.809
Group 2	.775	.041	.000	.694	.856

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 3
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	.025	1.000	-	-
1.50	-	-	.000	.987
2.50	.025	.988	-	-
3.50	.050	.988	.077	.987
4.50	.075	.977	.135	.947
5.50	.150	.965	.212	.920
6.50	.275	.895	.327	.893
7.50	.425	.837	.538	.813
8.50	.550	.767	.577	.747
9.50	.675	.663	.750	.707
10.50	.750	.512	.865	.627
11.50	.850	.407	.923	.467
12.50	.900	.291	.962	.320
13.50	1.000	.198	.981	.187
14.50	1.000	.116	.981	.133
15.50	1.000	.058	1.000	.080
16.50	1.000	.012	1.000	.027
18.00	1.000	.000	1.000	.000

**Grade 3
Fall VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	40
	Negative	87
	Missing	520
Group 2	Positive ^a	52
	Negative	75
	Missing	520

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

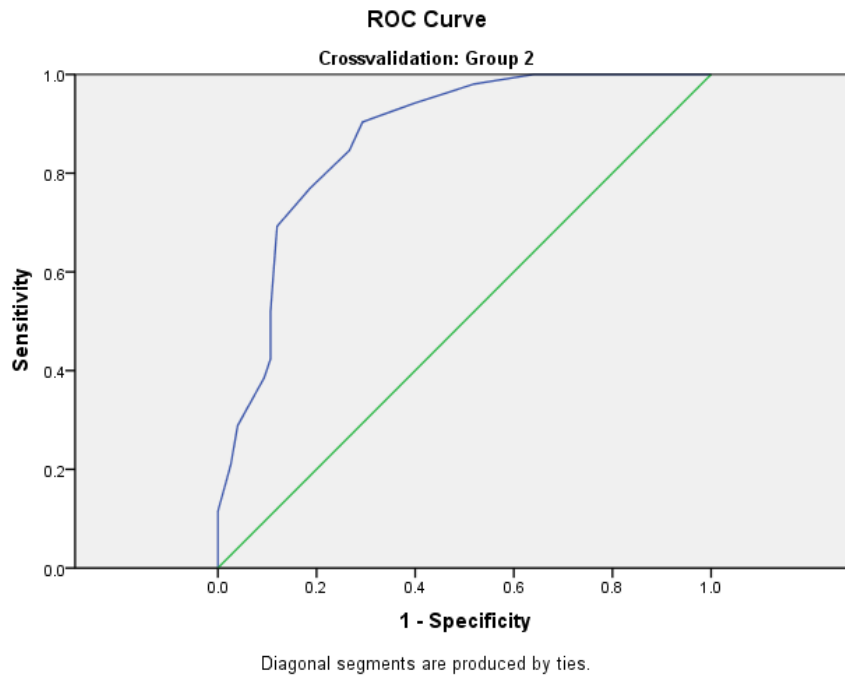
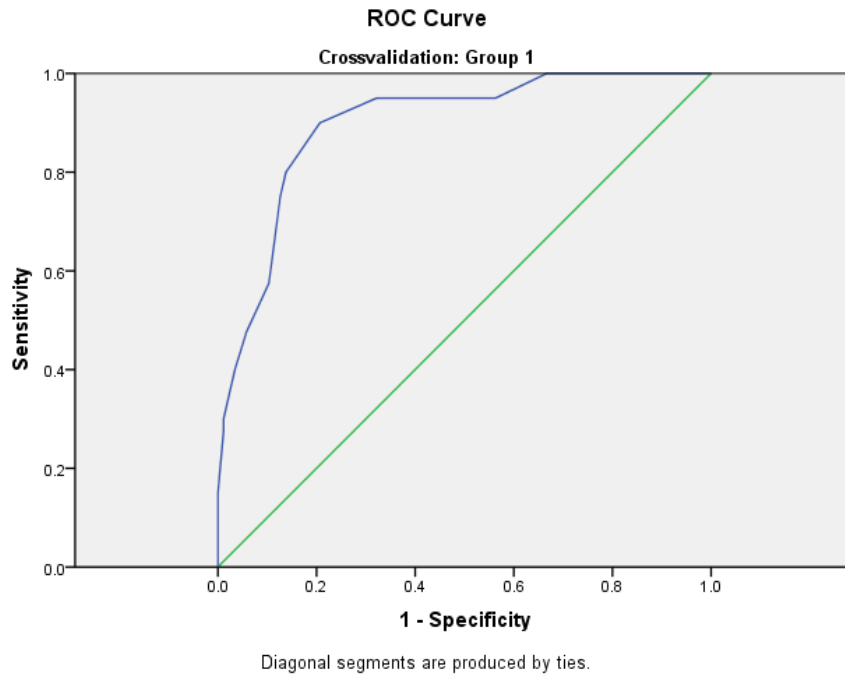
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.897	.029	.000	.841	.954
Group 2	.868	.031	.000	.807	.930

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.



Grade 3
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
4.00	.000	1.000	.000	1.000
5.50	.050	1.000	.038	1.000
6.50	.075	1.000	.058	1.000
7.50	.150	1.000	.115	1.000
8.50	.275	.989	.212	.973
9.50	.300	.989	.288	.960
10.50	.400	.966	.385	.907
11.50	.475	.943	.423	.893
12.50	.575	.897	.519	.893
13.50	.750	.874	.692	.880
14.50	.800	.862	.769	.813
15.50	.900	.793	.846	.733
16.50	.950	.678	.904	.707
17.50	.950	.586	.942	.600
18.50	.950	.437	.981	.480
19.50	1.000	.333	1.000	.360
20.50	1.000	.218	1.000	.293
21.50	1.000	.149	1.000	.227
22.50	1.000	.069	1.000	.120
23.50	1.000	.034	1.000	.027
24.50	1.000	.011	-	-
25.00	-	-	1.000	.000
26.00	1.000	.000	-	-

**Grade 3
Winter PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	46
	Negative	99
	Missing	502
Group 2	Positive ^a	55
	Negative	85
	Missing	507

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

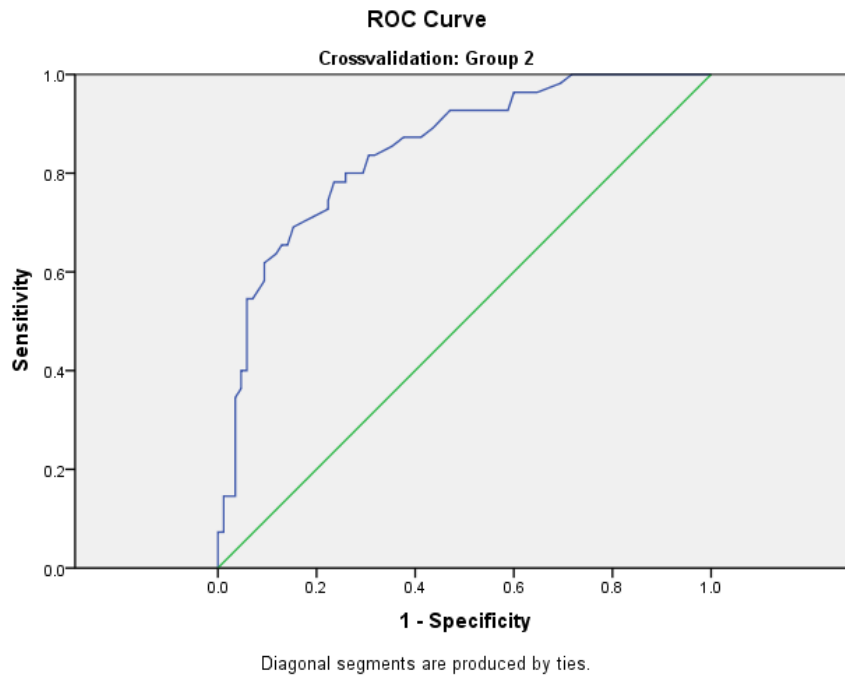
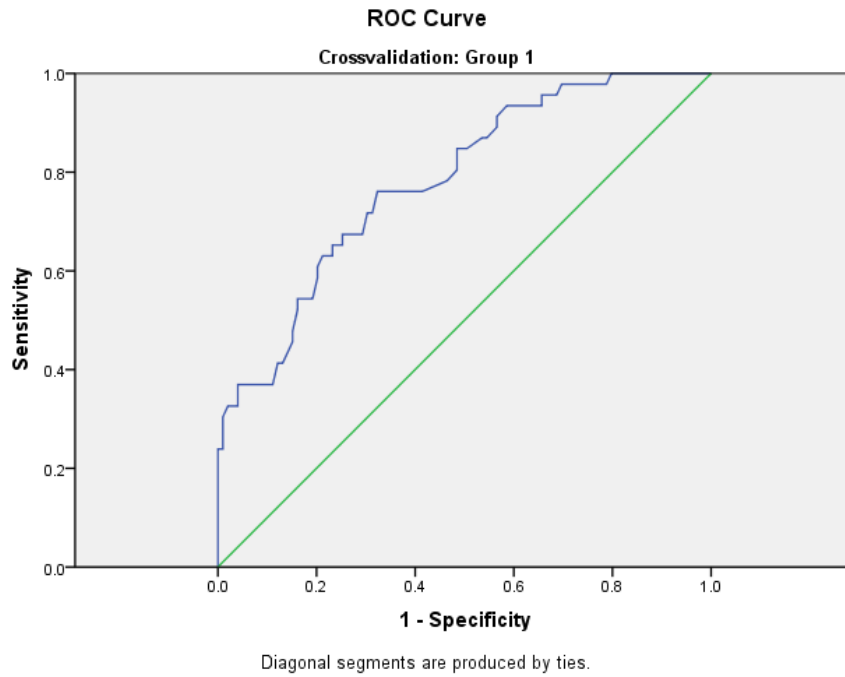
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.782	.040	.000	.704	.860
Group 2	.847	.033	.000	.782	.911

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.



**Grade 3
Winter PRF Benchmark**

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
12.00	.000	1.000	-	-
17.00	-	-	.000	1.000
18.00	.022	1.000	-	-
22.00	-	-	.036	1.000
24.00	.043	1.000	-	-
26.00	.087	1.000	-	-
27.50	-	-	.055	1.000
28.50	.130	1.000	-	-
31.50	-	-	.073	1.000
34.50	.152	1.000	-	-
35.50	-	-	.073	.988
40.00	-	-	.091	.988
41.00	.174	1.000	.109	.988
45.00	.196	1.000	-	-
45.50	-	-	.127	.988
46.50	-	-	.145	.988
47.50	.217	1.000	-	-
48.00	-	-	.145	.965
50.00	.239	1.000	-	-
52.50	-	-	.164	.965
53.50	.239	.990	-	-
56.00	.261	.990	-	-
56.50	-	-	.182	.965
57.50	.283	.990	-	-
59.00	-	-	.200	.965
59.50	.304	.990	-	-
61.50	-	-	.236	.965
62.50	.326	.980	-	-
63.50	-	-	.255	.965
64.50	.326	.970	-	-
65.50	-	-	.291	.965
66.00	.326	.960	-	-
67.50	.370	.960	-	-
68.00	-	-	.327	.965
69.00	.370	.949	-	-
71.00	.370	.929	-	-

Grade 3
Winter PRF Benchmark (continued)

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
71.50	-	-	.345	.965
73.50	.370	.909	.364	.953
75.00	-	-	.382	.953
76.00	.370	.899	-	-
76.50	-	-	.400	.953
77.50	.370	.889	.400	.941
78.50	.413	.879	.418	.941
79.50	.413	.869	.436	.941
80.50	.457	.848	-	-
81.00	-	-	.473	.941
82.50	.478	.848	.509	.941
83.50	-	-	.527	.941
84.50	.522	.838	.545	.941
85.50	.543	.838	.545	.929
86.50	.543	.828	.564	.918
88.00	.543	.808	.582	.906
89.50	.587	.798	-	-
90.00	-	-	.600	.906
90.50	.609	.798	-	-
92.00	.630	.788	.618	.906
93.50	.630	.778	.636	.882
94.50	-	-	.655	.871
95.00	.630	.768	-	-
96.00	-	-	.655	.859
97.00	.652	.768	-	-
98.50	.652	.758	.691	.847
99.50	.652	.747	-	-
100.50	.674	.747	.709	.812
101.50	.674	.737	.727	.776
102.50	.674	.717	-	-
103.00	-	-	.745	.776
103.50	.674	.707	-	-
104.50	.717	.697	.782	.765
105.50	.717	.687	.782	.741
106.50	.761	.677	-	-
107.00	-	-	.800	.741

Grade 3
Winter PRF Benchmark (continued)

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
107.50	.761	.646	-	-
108.50	.761	.626	.800	.706
109.50	.761	.586	.836	.694
110.50	.783	.535	.836	.682
111.50	-	-	.855	.647
112.00	.804	.515	-	-
112.50	-	-	.873	.624
113.50	.848	.515	.873	.588
114.50	.848	.505	.891	.565
115.50	.848	.495	-	-
116.00	-	-	.927	.529
116.50	.870	.465	-	-
118.00	.870	.455	.927	.506
120.00	.891	.434	-	-
121.50	.913	.434	-	-
122.50	-	-	.927	.482
124.00	.935	.414	-	-
126.50	.935	.394	-	-
127.00	-	-	.927	.471
127.50	.935	.384	-	-
128.50	.935	.374	.927	.447
129.50	.935	.354	.927	.435
130.50	.935	.343	.927	.424
131.50	.957	.343	.927	.412
133.50	-	-	.964	.400
134.00	.957	.333	-	-
136.00	-	-	.964	.376
136.50	.957	.323	-	-
138.00	.957	.313	.964	.365
139.50	-	-	.964	.353
140.00	.978	.303	-	-
141.50	.978	.283	-	-
142.50	.978	.273	.982	.306
144.00	.978	.263	-	-
145.50	.978	.242	1.000	.282
146.50	.978	.212	1.000	.259

Grade 3
Winter PRF Benchmark (continued)

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
147.50	1.000	.202	-	-
148.00	-	-	1.000	.224
149.50	1.000	.192	1.000	.212
152.00	-	-	1.000	.200
153.50	1.000	.162	-	-
155.00	-	-	1.000	.188
156.50	-	-	1.000	.176
157.50	-	-	1.000	.165
158.00	1.000	.141	-	-
158.50	-	-	1.000	.153
159.50	-	-	1.000	.141
160.50	1.000	.131	-	-
161.50	-	-	1.000	.129
163.50	1.000	.121	-	-
164.50	-	-	1.000	.118
167.00	-	-	1.000	.094
168.50	-	-	1.000	.082
169.50	1.000	.091	-	-
170.00	-	-	1.000	.071
172.00	-	-	1.000	.059
174.00	1.000	.081	-	-
175.00	-	-	1.000	.047
176.50	1.000	.071	-	-
178.50	1.000	.061	-	-
180.00	-	-	1.000	.035
181.00	1.000	.051	-	-
184.50	1.000	.040	-	-
187.00	1.000	.030	-	-
191.00	-	-	1.000	.024
192.50	1.000	.020	-	-
204.50	1.000	.010	-	-
208.00	-	-	1.000	.012
213.00	1.000	.000	-	-
218.00	-	-	1.000	.000

**Grade 3
Winter MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	52
	Negative	139
	Missing	456
Group 2	Positive ^a	61
	Negative	111
	Missing	475

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

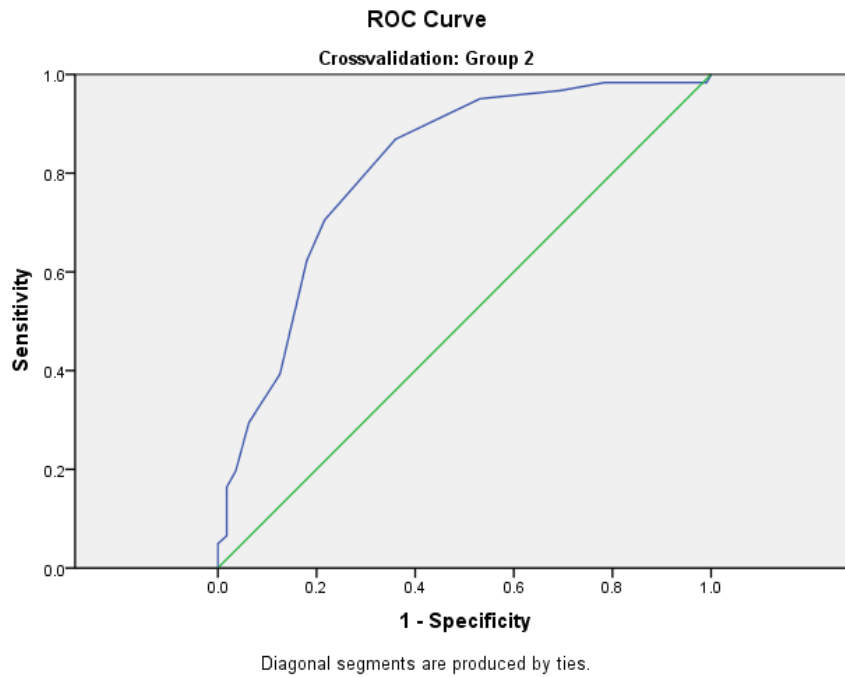
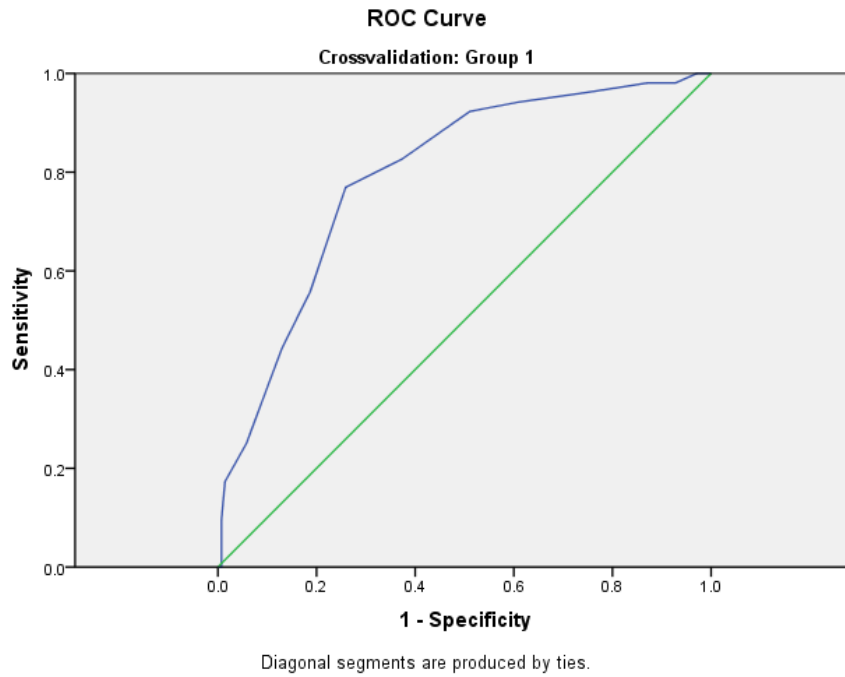
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.794	.035	.000	.724	.863
Group 2	.809	.034	.000	.743	.875

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.



Grade 3
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.033	1.000
1.50	.000	.993	.049	1.000
3.00	-	-	.066	.982
3.50	.058	.993	-	-
4.50	.096	.993	.164	.982
5.50	.173	.986	.197	.964
6.50	.250	.942	.295	.937
7.50	.442	.871	.393	.874
8.50	.558	.813	.623	.820
9.50	.769	.741	.705	.784
10.50	.827	.626	.869	.640
11.50	.923	.489	.951	.468
12.50	.942	.388	.967	.306
13.50	.962	.252	.984	.216
14.50	.981	.129	.984	.108
15.50	.981	.072	.984	.009
16.50	1.000	.029	-	-
17.00	-	-	1.000	.000
18.00	1.000	.000	-	-

**Grade 3
Spring PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	53
	Negative	109
	Missing	485
Group 2	Positive ^a	57
	Negative	91
	Missing	499

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

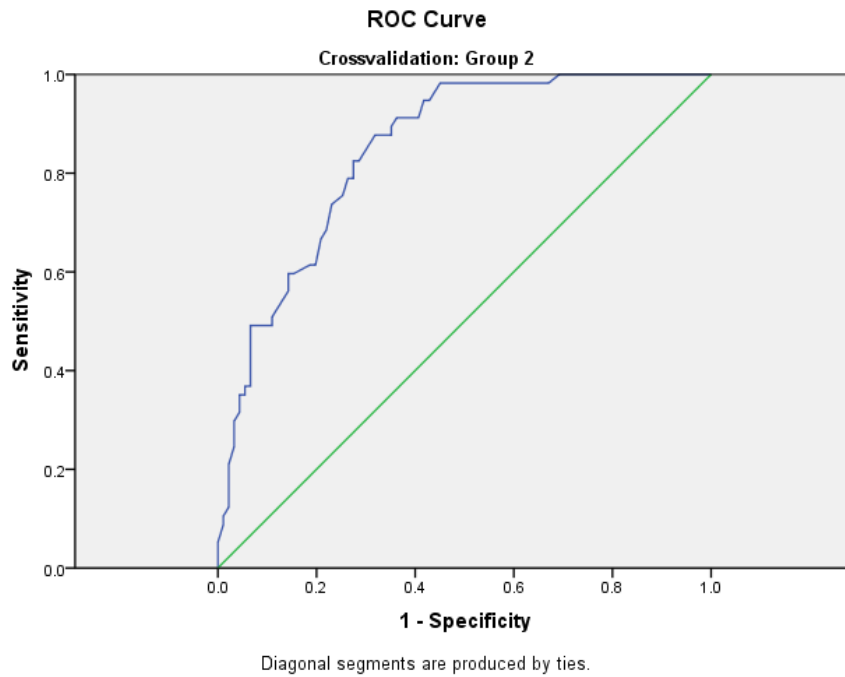
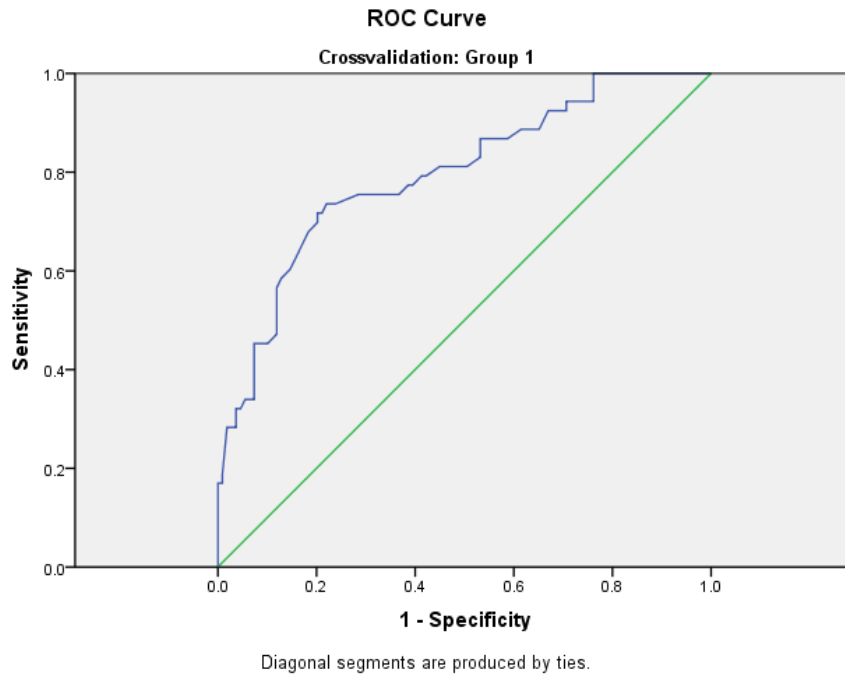
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.795	.038	.000	.720	.870
Group 2	.847	.031	.000	.787	.908

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.



**Grade 3
Spring PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
15.00	.000	1.000	-	-
22.50	.019	1.000	-	-
29.50	.038	1.000	-	-
30.50	.075	1.000	-	-
31.00	-	-	.000	1.000
33.00	-	-	.018	1.000
35.00	.094	1.000	-	-
37.00	-	-	.035	1.000
40.00	.113	1.000	-	-
41.50	-	-	.053	1.000
43.00	.132	1.000	-	-
43.50	-	-	.088	.989
44.50	-	-	.105	.989
46.00	.151	1.000	-	-
49.00	.170	1.000	-	-
46.50	-	-	.123	.978
49.50	-	-	.140	.978
52.00	.170	.991	.158	.978
53.50	-	-	.175	.978
54.00	.189	.991	-	-
54.50	-	-	.211	.978
55.50	.283	.982	.246	.967
56.50	.283	.963	.263	.967
57.50	.302	.963	.298	.967
58.50	-	-	.316	.956
59.50	.321	.963	.351	.956
61.50	.321	.954	-	-
62.00	-	-	.351	.945
63.50	.340	.945	-	-
64.50	-	-	.368	.945
65.50	.340	.936	.368	.934
66.50	.340	.927	.386	.934
67.50	.358	.927	-	-
68.50	.377	.927	.404	.934
70.00	.396	.927	-	-
72.00	.434	.927	-	-
72.50	-	-	.421	.934

Grade 3
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
73.50	.453	.927	-	-
75.00	.453	.917	-	-
75.50	-	-	.474	.934
76.50	.453	.899	.491	.934
77.50	.472	.881	.491	.923
78.50	.491	.881	-	-
79.00	-	-	.491	.912
80.50	-	-	.491	.890
81.50	.528	.881	-	-
82.00	-	-	.509	.890
84.50	.547	.881	.544	.868
85.50	.566	.881	-	-
87.00	.585	.872	.561	.857
88.50	-	-	.596	.857
89.00	.604	.853	-	-
89.50	-	-	.596	.846
90.50	.642	.835	-	-
91.00	-	-	.614	.813
91.50	.660	.826	-	-
92.50	.679	.817	.614	.802
93.50	.698	.798	.667	.791
94.50	.717	.798	-	-
95.00	-	-	.684	.780
95.50	.717	.789	-	-
96.50	.736	.780	.737	.769
97.50	.736	.761	.754	.747
98.50	-	-	.789	.736
99.00	.755	.716	-	-
100.00	-	-	.789	.725
100.50	.755	.697	-	-
101.50	.755	.679	-	-
102.50	-	-	.825	.725
103.00	.755	.661	-	-
104.50	.755	.651	-	-
105.00	-	-	.825	.714
105.50	.755	.633	-	-

Grade 3
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
106.50	.774	.615	.860	.692
107.50	.774	.606	.877	.681
108.50	.792	.587	.877	.648
109.50	.792	.578	.895	.648
111.00	.811	.550	.912	.637
112.50	.811	.532	-	-
113.00	-	-	.912	.615
113.50	.811	.514	-	-
114.50	-	-	.912	.604
115.00	.811	.505	-	-
115.50	-	-	.912	.593
116.50	.811	.495	-	-
117.00	-	-	.947	.582
117.50	.830	.468	-	-
119.00	.868	.468	-	-
119.50	-	-	.947	.571
121.50	.868	.459	.965	.560
122.50	-	-	.982	.549
123.50	.868	.450	.982	.527
124.50	.868	.431	.982	.495
125.50	.868	.422	-	-
126.00	-	-	.982	.484
127.50	.868	.413	.982	.473
128.50	-	-	.982	.440
129.50	.887	.385	-	-
130.00	-	-	.982	.429
130.50	.887	.376	-	-
131.50	.887	.367	-	-
132.00	-	-	.982	.418
133.00	.887	.358	-	-
134.50	.887	.349	.982	.407
136.50	.906	.339	.982	.396
137.50	-	-	.982	.385
138.50	.925	.330	.982	.374
139.50	.925	.321	-	-
140.00	-	-	.982	.352

Grade 3
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
140.50	.925	.294	-	-
142.00	.943	.294	.982	.330
143.50	.943	.275	1.000	.308
145.50	.943	.257	1.000	.297
147.50	.943	.248	-	-
148.50	.943	.239	-	-
149.00	-	-	1.000	.275
149.50	.962	.239	-	-
150.50	1.000	.239	-	-
151.50	1.000	.211	-	-
152.00	-	-	1.000	.231
153.50	-	-	1.000	.209
155.00	-	-	1.000	.198
155.50	1.000	.202	-	-
158.00	-	-	1.000	.187
160.50	1.000	.183	1.000	.176
162.50	1.000	.174	1.000	.165
164.00	1.000	.156	-	-
164.50	-	-	1.000	.154
165.50	1.000	.147	1.000	.143
167.00	1.000	.128	-	-
168.00	-	-	1.000	.121
168.50	1.000	.119	-	-
169.50	1.000	.101	-	-
172.00	-	-	1.000	.099
172.50	1.000	.092	-	-
175.00	-	-	1.000	.088
175.50	1.000	.083	-	-
178.00	-	-	1.000	.077
179.00	1.000	.073	-	-
182.50	1.000	.055	-	-
187.50	1.000	.046	-	-
188.00	-	-	1.000	.066
196.50	-	-	1.000	.055
197.00	1.000	.037	-	-
198.00	-	-	1.000	.033

**Grade 3
Spring PRF Benchmark (continued)**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
203.50	1.000	.028	-	-
205.00	-	-	1.000	.022
214.00	1.000	.018	-	-
224.00	1.000	.000	-	-
232.50	-	-	1.000	.011
255.00	-	-	1.000	.000

**Grade 3
Spring MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	84
	Negative	225
	Missing	338
Group 2	Positive ^a	84
	Negative	199
	Missing	364

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

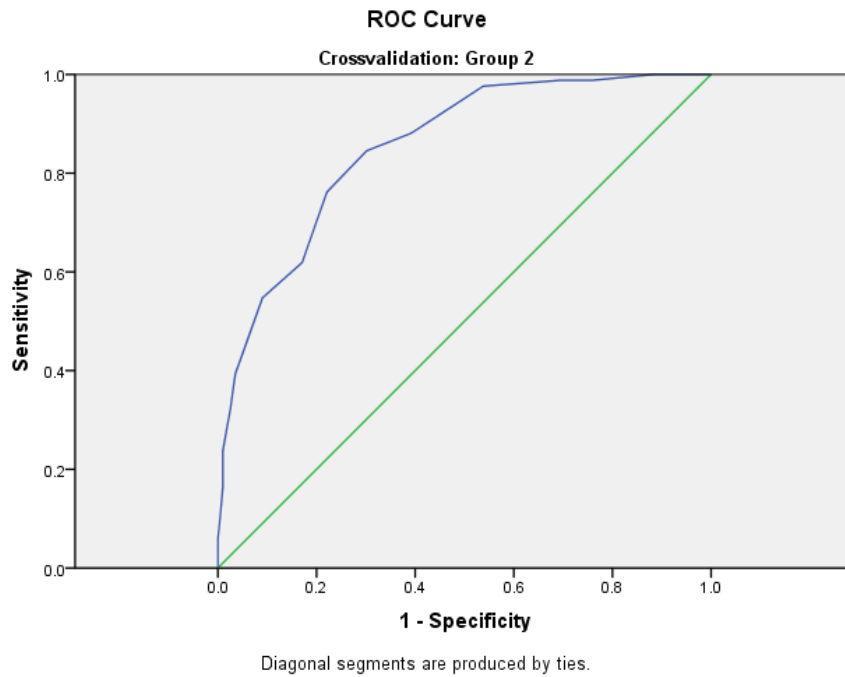
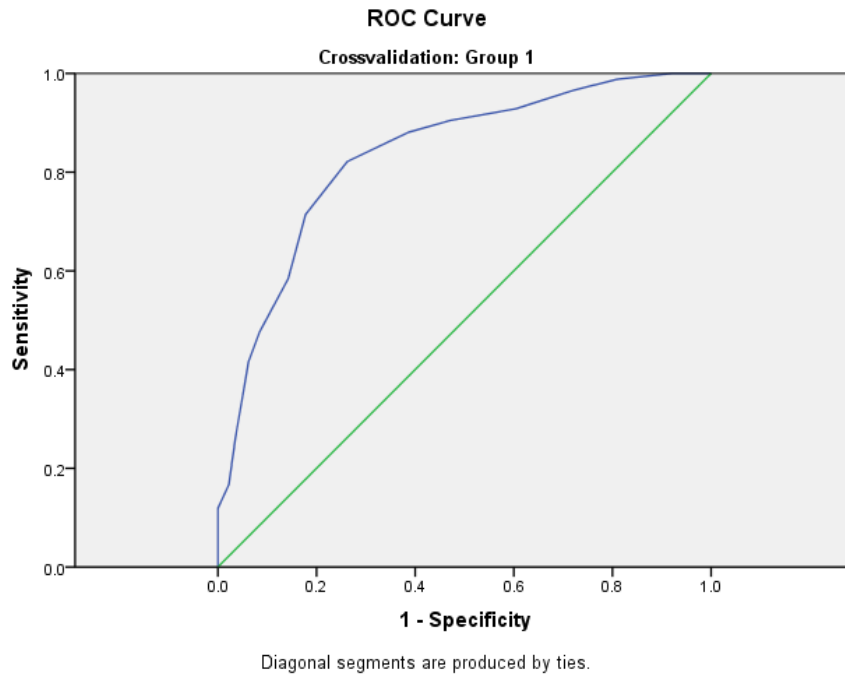
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.834	.026	.000	.783	.884
Group 2	.853	.023	.000	.807	.898

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.



Grade 3
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	.024	1.000	-	-
2.00	-	-	.024	1.000
3.50	.036	1.000	-	-
4.50	-	-	.060	1.000
5.50	.119	1.000	.107	.995
6.50	.167	.978	.167	.990
7.50	.262	.964	.238	.990
8.50	.417	.938	.321	.975
9.50	.476	.916	.393	.965
10.50	.583	.858	.548	.910
11.50	.714	.822	.619	.829
12.50	.821	.738	.762	.779
13.50	.881	.613	.845	.698
14.50	.905	.529	.881	.608
15.50	.929	.396	.976	.462
16.50	.964	.284	.988	.307
17.50	.988	.191	.988	.241
18.50	1.000	.080	1.000	.116
19.50	1.000	.013	1.000	.015
21.00	1.000	.000	1.000	.000

**Grade 3
Spring VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	77
	Negative	179
	Missing	391
Group 2	Positive ^a	82
	Negative	163
	Missing	402

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

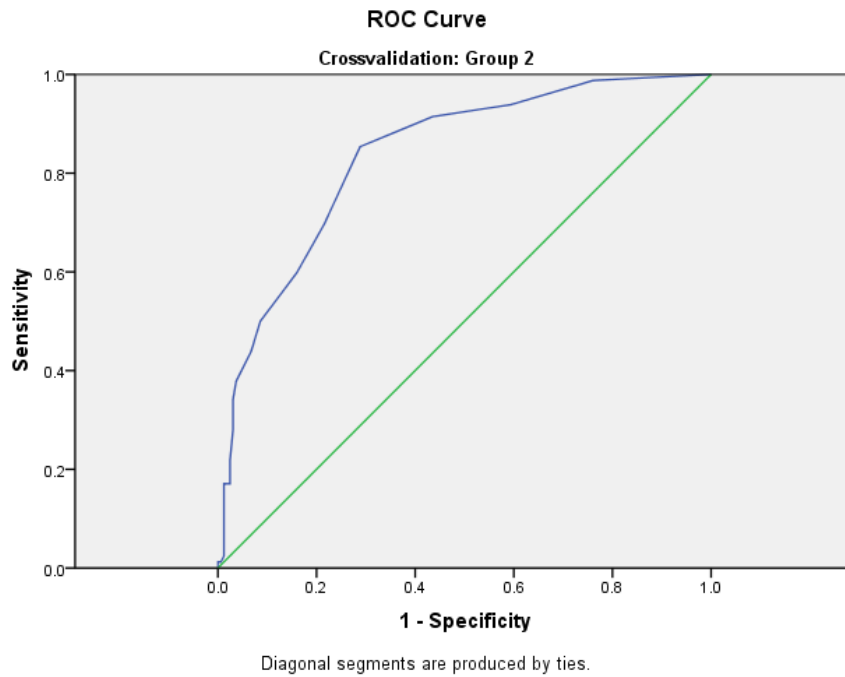
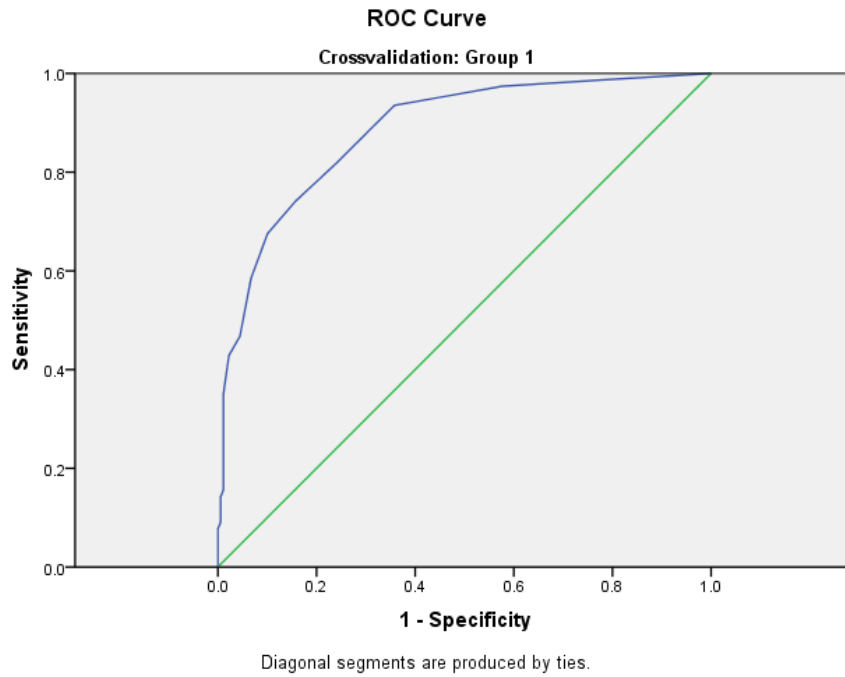
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.883	.023	.000	.839	.928
Group 2	.836	.027	.000	.784	.888

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.



Grade 3
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	-	-	.000	1.000
.50	-	-	.012	1.000
2.50	-	-	.012	.994
5.00	.000	1.000	-	-
5.50	-	-	.024	.988
6.50	.013	1.000	-	-
7.50	-	-	.049	.988
8.00	.039	1.000	-	-
9.00	-	-	.061	.988
9.50	.078	1.000	-	-
10.50	.091	.994	.159	.988
11.50	.143	.994	.171	.988
12.50	.156	.989	.171	.975
13.50	.208	.989	.220	.975
14.50	.273	.989	.280	.969
15.50	.351	.989	.341	.969
16.50	.429	.978	.378	.963
17.50	.468	.955	.439	.933
18.50	.584	.933	.500	.914
19.50	.675	.899	.598	.840
20.50	.740	.844	.695	.785
21.50	.818	.760	.854	.712
22.50	.935	.642	.915	.564
23.50	.974	.425	.939	.405
24.50	.987	.218	.988	.239
26.00	1.000	.000	1.000	.000

**Grade 4
Fall PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	27
	Negative	36
	Missing	564
Group 2	Positive ^a	31
	Negative	37
	Missing	560

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

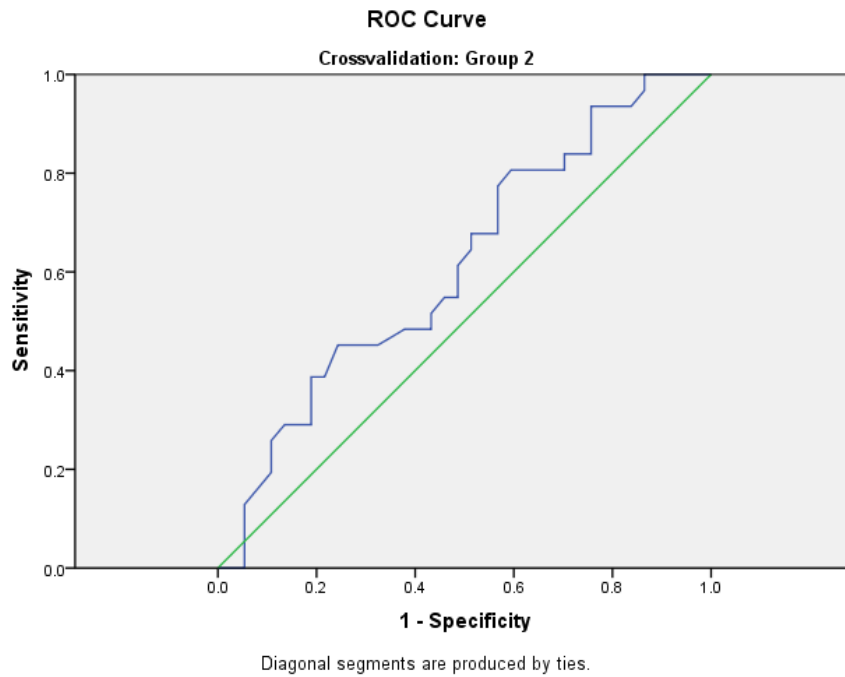
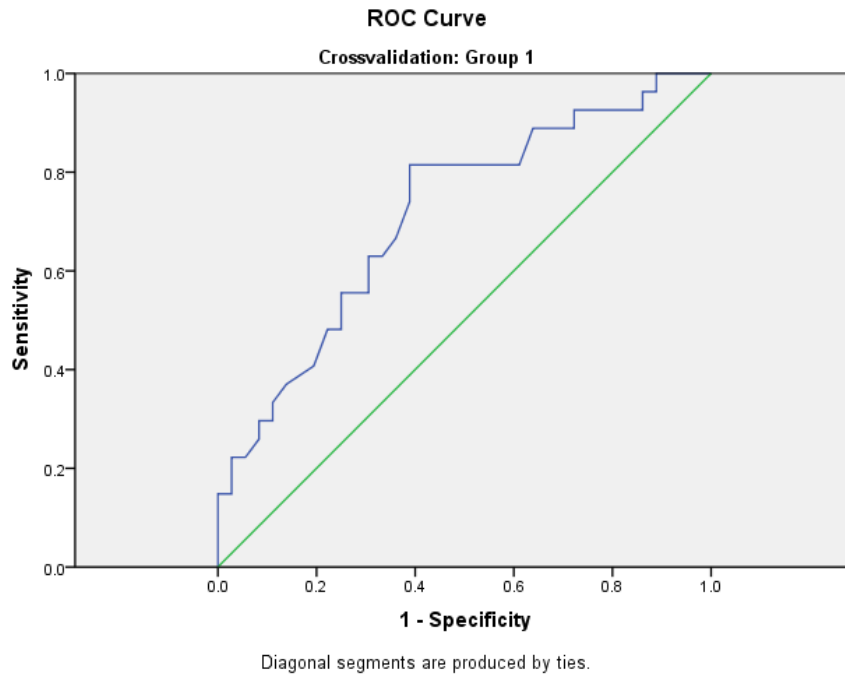
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.713	.066	.004	.585	.842
Group 2	.615	.068	.104	.481	.749

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.



Grade 4
Fall PRF Benchmark

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
24.00	-	-	.000	1.000
25.50	-	-	.000	.973
32.50	-	-	.000	.946
39.50	-	-	.032	.946
41.50	-	-	.065	.946
42.00	.000	1.000	-	-
49.00	.037	1.000	-	-
50.50	-	-	.097	.946
58.50	.074	1.000	-	-
62.50	-	-	.129	.946
63.50	.111	1.000	-	-
65.50	.148	1.000	-	-
66.50	.148	.972	-	-
68.00	.185	.972	-	-
70.00	-	-	.161	.919
71.00	.222	.972	-	-
74.00	-	-	.194	.892
75.00	.222	.944	-	-
75.50	-	-	.258	.892
77.50	.259	.917	.290	.865
78.50	.296	.917	-	-
79.50	-	-	.290	.838
81.00	.296	.889	.290	.811
82.50	-	-	.355	.811
83.50	-	-	.387	.811
84.00	.333	.889	-	-
84.50	-	-	.387	.784
85.50	.370	.861	-	-
86.00	-	-	.452	.757
87.00	.407	.806	-	-
87.50	-	-	.452	.730
88.50	.481	.778	.452	.676
89.50	.481	.750	.484	.622
90.50	-	-	.484	.595
91.50	.519	.750	-	-
92.50	-	-	.484	.568

Grade 4
Fall PRF Benchmark (continued)

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
93.50	.556	.750	-	-
94.50	.556	.694	-	-
95.50	-	-	.516	.568
96.00	.593	.694	-	-
97.50	.630	.694	.548	.541
99.00	-	-	.548	.514
99.50	.630	.667	-	-
101.50	-	-	.613	.514
102.00	.667	.639	-	-
103.50	.741	.611	.645	.486
105.00	.815	.611	-	-
106.00	-	-	.677	.486
107.50	.815	.556	-	-
109.00	-	-	.677	.459
110.00	.815	.528	-	-
110.50	-	-	.677	.432
111.50	.815	.500	-	-
112.00	-	-	.774	.432
113.00	.815	.472	-	-
114.00	-	-	.806	.405
115.00	.815	.417	-	-
115.50	-	-	.806	.378
116.50	.815	.389	.806	.351
117.50	.889	.361	.806	.324
119.00	.889	.333	.806	.297
120.50	-	-	.839	.297
121.00	.889	.306	-	-
122.00	-	-	.839	.270
123.50	-	-	.839	.243
124.00	.889	.278	-	-
125.50	-	-	.871	.243
127.50	.926	.278	.935	.243
128.50	-	-	.935	.216
130.50	-	-	.935	.189
132.00	.926	.167	-	-
135.00	-	-	.935	.162
135.50	.926	.139	-	-
138.00	.963	.139	-	-
140.50	.963	.111	-	-

Grade 4
Fall PRF Benchmark (continued)

Cut score	Sensitivity	Specificity	Sensitivity	Specificity
142.50	1.000	.111	.968	.135
145.00	1.000	.083	-	-
149.50	-	-	1.000	.135
154.50	-	-	1.000	.108
158.50	1.000	.056	-	-
162.50	-	-	1.000	.081
172.50	-	-	1.000	.054
174.50	1.000	.028	-	-
179.00	1.000	.000	-	-
182.00	-	-	1.000	.027
188.00	-	-	1.000	.000

Grade 4
Fall MCRC Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	27
	Negative	36
	Missing	564
Group 2	Positive ^a	31
	Negative	37
	Missing	560

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

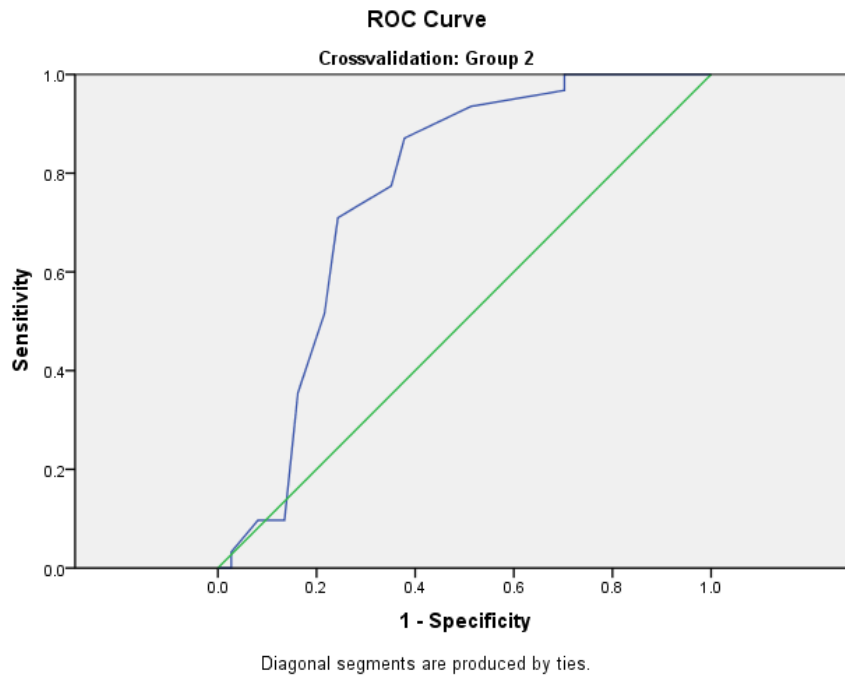
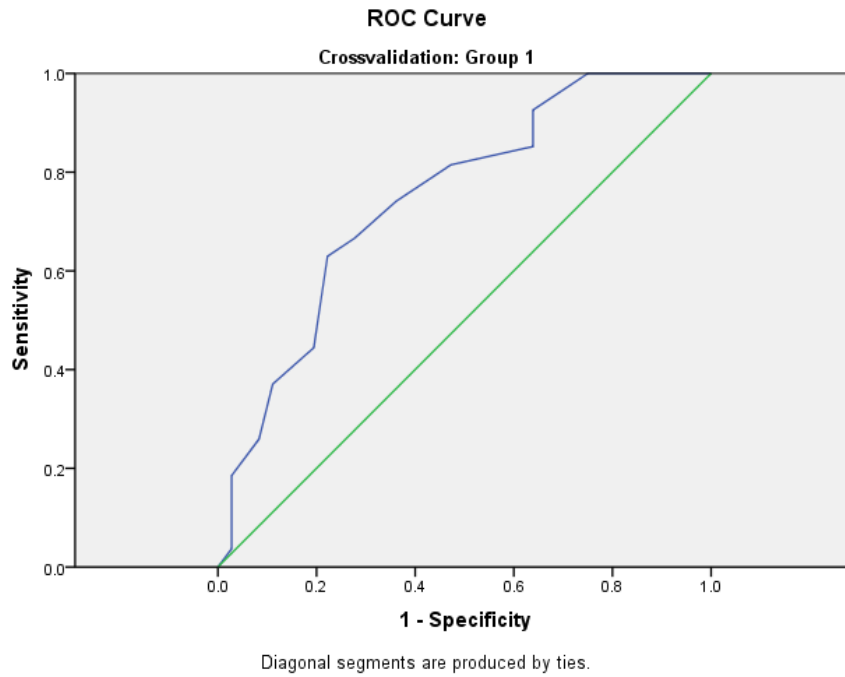
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.747	.061	.001	.627	.868
Group 2	.757	.061	.000	.638	.875

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.



Grade 4
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.50	-	-	.000	.973
2.00	.037	.972	-	-
3.50	-	-	.032	.973
4.50	.111	.972	.065	.946
5.50	.185	.972	.097	.919
6.50	.259	.917	.097	.865
7.50	.370	.889	.355	.838
8.50	.444	.806	.516	.784
9.50	.630	.778	.710	.757
10.50	.667	.722	.774	.649
11.50	.741	.639	.871	.622
12.50	.815	.528	.935	.486
13.50	.852	.361	.968	.297
14.50	.926	.361	1.000	.297
15.50	1.000	.250	1.000	.216
16.50	1.000	.167	1.000	.108
17.50	1.000	.139	1.000	.081
18.50	1.000	.028	1.000	.027
20.00	1.000	.000	1.000	.000

Grade 4
Fall VOC Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	27
	Negative	36
	Missing	564
Group 2	Positive ^a	31
	Negative	37
	Missing	560

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

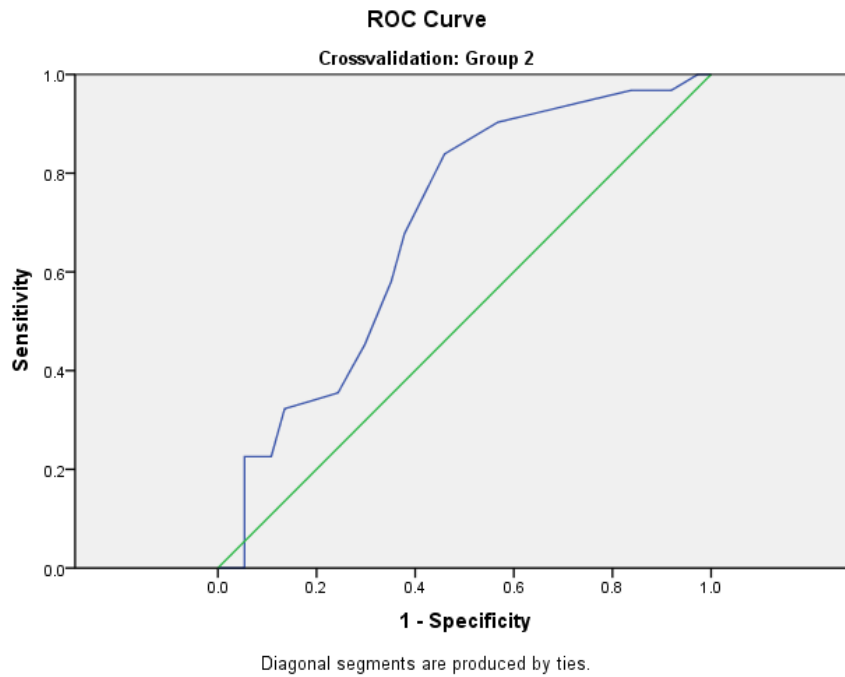
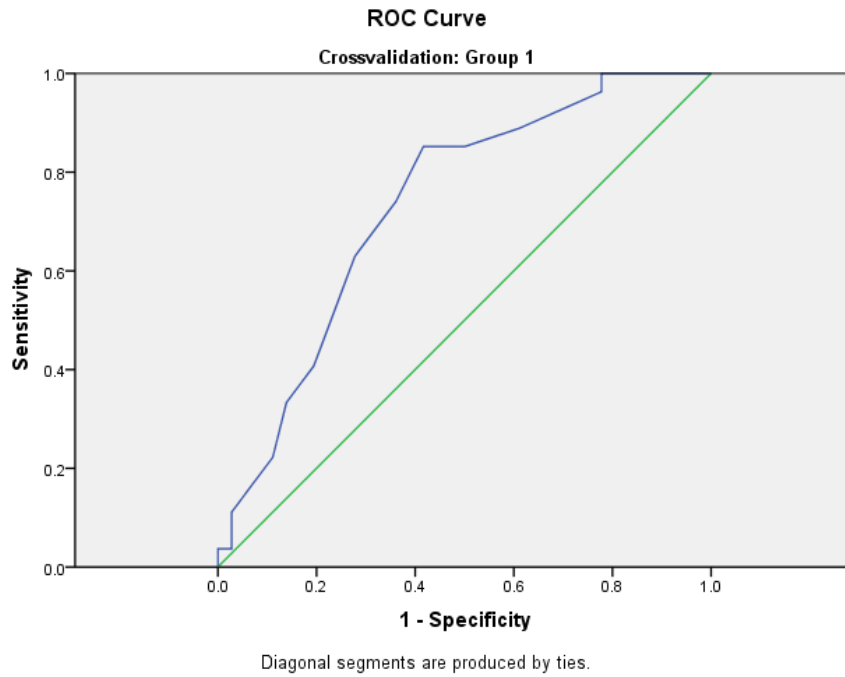
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.732	.063	.002	.608	.856
Group 2	.690	.065	.007	.563	.817

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.



Grade 4
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	-	-
3.50	.037	1.000	-	-
6.00	-	-	.000	1.000
7.50	.037	.972	.000	.946
8.50	.111	.972	.097	.946
9.50	-	-	.226	.946
10.00	.222	.889		
10.50	-	-	.226	.892
11.50	.333	.861	.323	.865
12.50	.407	.806	.355	.757
13.50	.630	.722	.452	.703
14.50	.741	.639	.581	.649
15.50	.852	.583	.677	.622
16.50	.852	.500	.839	.541
17.50	.889	.389	.903	.432
18.50	.963	.222	.935	.297
19.50	1.000	.222	.968	.162
20.50	1.000	.139	.968	.081
21.50	1.000	.056	1.000	.027
23.00	1.000	.028	1.000	.000
25.00	1.000	.000	-	-

**Grade 4
Winter PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	41
	Negative	65
	Missing	521
Group 2	Positive ^a	53
	Negative	86
	Missing	489

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

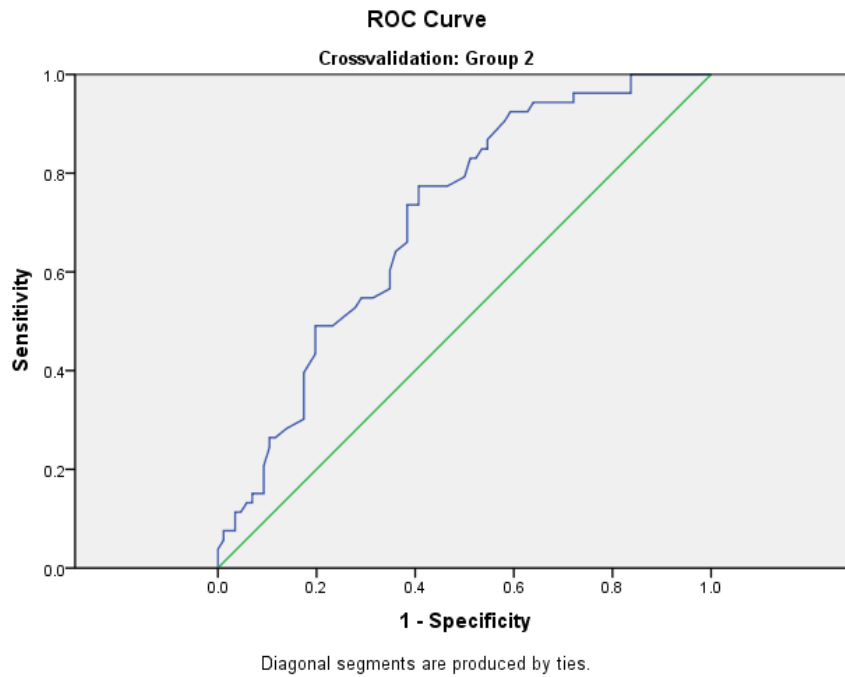
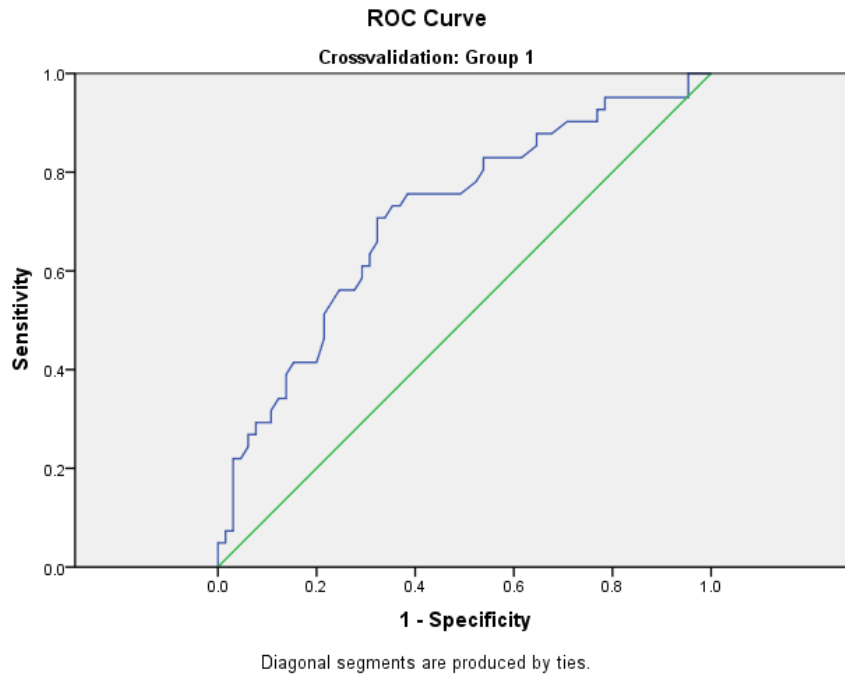
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.709	.052	.000	.607	.811
Group 2	.708	.044	.000	.623	.793

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.



**Grade 4
Winter PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
34.00	-	-	.000	1.000
36.00	.000	1.000	-	-
39.00	.024	1.000	-	-
43.00	-	-	.019	1.000
44.50	.049	1.000	-	-
51.00	.049	.985	-	-
53.00	-	-	.038	1.000
56.50	-	-	.057	.988
58.50	.073	.985	-	-
59.00	-	-	.075	.988
61.00	-	-	.075	.965
62.50	-	-	.094	.965
64.00	.073	.969	.113	.965
65.50	-	-	.113	.953
66.50	-	-	.132	.942
67.00	.098	.969	-	-
68.00	-	-	.132	.930
69.50	.122	.969	-	-
71.00	.146	.969	-	-
71.50	-	-	.151	.930
73.50	.171	.969	-	-
74.50	-	-	.151	.919
75.50	-	-	.151	.907
76.00	.220	.969	-	-
76.50	-	-	.170	.907
77.50	-	-	.189	.907
78.50	.220	.954	-	-
79.50	-	-	.208	.907
81.50	.244	.938	-	-
82.00	-	-	.245	.895
84.00	-	-	.264	.895
84.00	.268	.938	-	-
85.50	.268	.923	-	-
86.50	-	-	.264	.884
87.00	.293	.923	-	-
88.50	.293	.892	.283	.860

Grade 4
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
89.50	.317	.892	-	-
90.00	-	-	.302	.826
91.50	.341	.877	-	-
92.50	-	-	.321	.826
93.50	.341	.862	-	-
94.50	-	-	.358	.826
95.00	.366	.862	-	-
96.00	-	-	.377	.826
97.50	.390	.862	.396	.826
99.00	-	-	.415	.814
99.50	.415	.846	-	-
100.50	-	-	.434	.802
101.50	-	-	.453	.802
102.00	.415	.831	-	-
103.00	-	-	.472	.802
104.50	.415	.800	.491	.802
106.00	.463	.785	.491	.779
107.50	.488	.785	.491	.767
108.50	.512	.785	.509	.744
109.50	.561	.754	.528	.721
110.50	.561	.723	-	-
111.00	-	-	.547	.709
111.50	.585	.708	-	-
113.00	.610	.708	-	-
113.50	-	-	.547	.686
114.50	.610	.692	-	-
115.50	-	-	.566	.651
116.00	.634	.692	-	-
116.50	-	-	.585	.651
117.50	.659	.677	.604	.651
118.50	.707	.677	.642	.640
119.50	.707	.662	-	-
120.50	.732	.646	.660	.616
122.00	.732	.631	.679	.616
123.50	.756	.615	.736	.616
124.50	.756	.585	.736	.593

Grade 4
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
125.50	-	-	.755	.593
126.00	.756	.569	-	-
126.50	-	-	.774	.593
127.50	.756	.554	.774	.570
128.50	.756	.508	.774	.547
129.50	-	-	.774	.535
130.50	.780	.477	.792	.500
132.00	-	-	.830	.488
133.00	.805	.462	-	-
133.50	-	-	.830	.477
134.50	.829	.462	-	-
135.00	-	-	.849	.465
135.50	.829	.415	-	-
136.50	.829	.400	.849	.453
137.50	.829	.385	.868	.453
138.50	-	-	.906	.419
139.50	.854	.354	.925	.407
140.50	-	-	.925	.372
141.50	-	-	.943	.360
142.00	.878	.354	-	-
142.50	-	-	.943	.337
143.50	.878	.323	.943	.326
144.50	.902	.292	.943	.314
145.50	.902	.277	.943	.279
146.50	.902	.262	.962	.279
147.50	.902	.246	-	-
149.50	.902	.231	.962	.267
151.50	.927	.231	-	-
152.50	.927	.215	.962	.256
153.50	.951	.215	.962	.221
154.50	.951	.200	.962	.198
155.50	-	-	.962	.186
156.50	-	-	.962	.174
157.00	.951	.169	-	-
159.50	-	-	.962	.163
160.00	.951	.154	-	-

Grade 4
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
162.00	.951	.123	-	-
162.50	-	-	1.000	.163
163.50	-	-	1.000	.140
164.00	.951	.092	-	-
166.00	-	-	1.000	.128
166.50	.951	.077	-	-
168.50	-	-	1.000	.116
170.00	-	-	1.000	.105
172.50	-	-	1.000	.081
173.50	.951	.046	-	-
179.00	-	-	1.000	.058
180.50	.976	.046	-	-
183.50	1.000	.046	-	-
185.00	-	-	1.000	.047
190.50	-	-	1.000	.035
192.00	1.000	.015	-	-
197.00	-	-	1.000	.012
200.00	1.000	.000	1.000	.000

**Grade 4
Winter MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	55
	Negative	122
	Missing	450
Group 2	Positive ^a	75
	Negative	147
	Missing	406

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

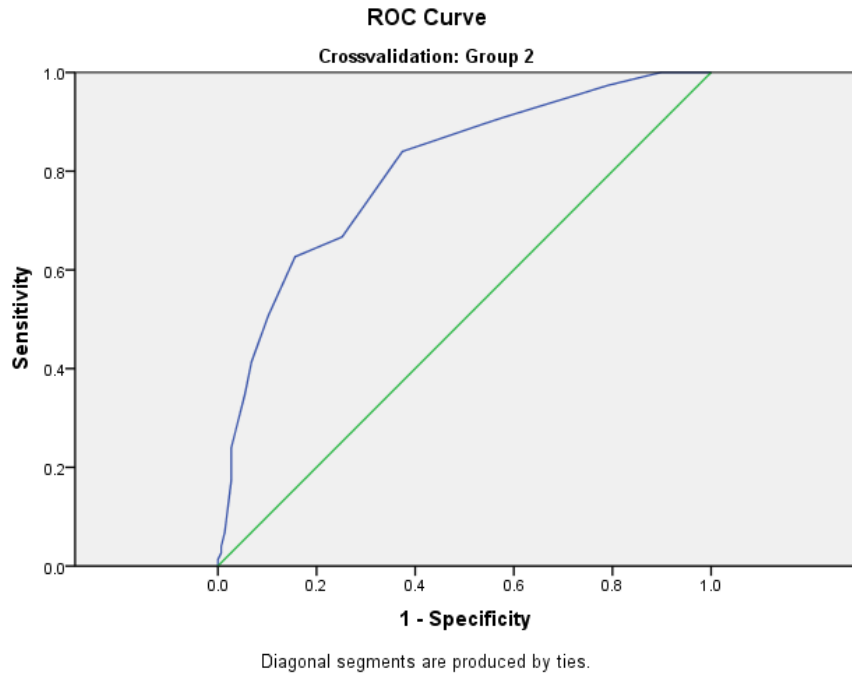
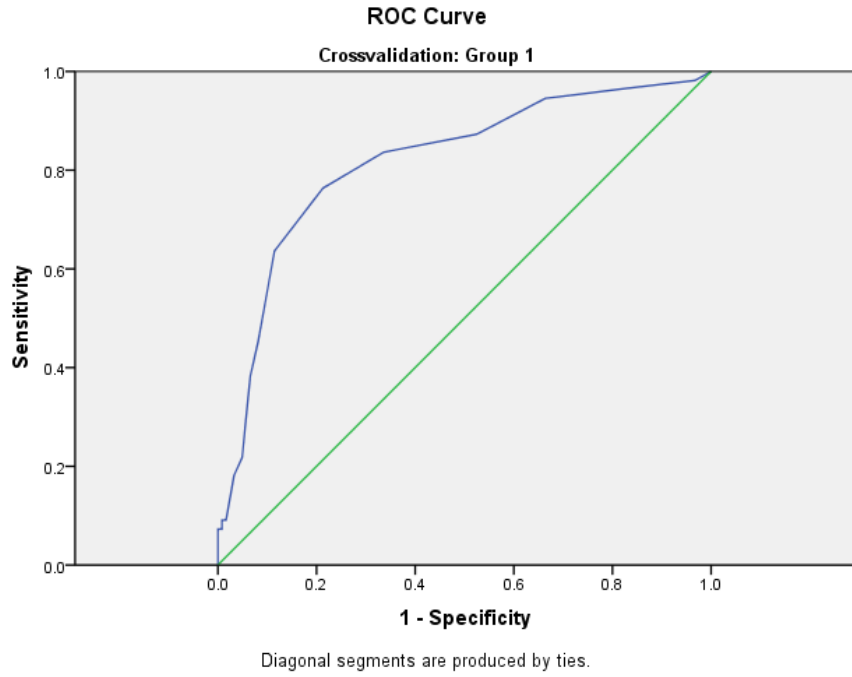
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.816	.036	.000	.745	.888
Group 2	.802	.031	.000	.741	.863

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.



Grade 4
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	.036	1.000	-	-
1.50	-	-	.013	1.000
2.50	.055	1.000	-	-
3.50	.073	1.000	.027	.993
4.50	.073	.992	.040	.993
5.50	-	-	.067	.986
6.00	.091	.992	-	-
6.50	-	-	.120	.980
7.50	.091	.984	.173	.973
8.50	.182	.967	.240	.973
9.50	.218	.951	.293	.959
10.50	.382	.934	.347	.946
11.50	.455	.918	.413	.932
12.50	.636	.885	.507	.898
13.50	.764	.787	.627	.844
14.50	.836	.664	.667	.748
15.50	.873	.475	.840	.626
16.50	.945	.336	.907	.429
17.50	.964	.189	.973	.211
18.50	.982	.033	1.000	.102
19.50	-	-	1.000	.020
20.00	1.000	.000	-	-
21.00	-	-	1.000	.000

**Grade 4
Spring PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	48
	Negative	70
	Missing	509
Group 2	Positive ^a	55
	Negative	86
	Missing	487

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

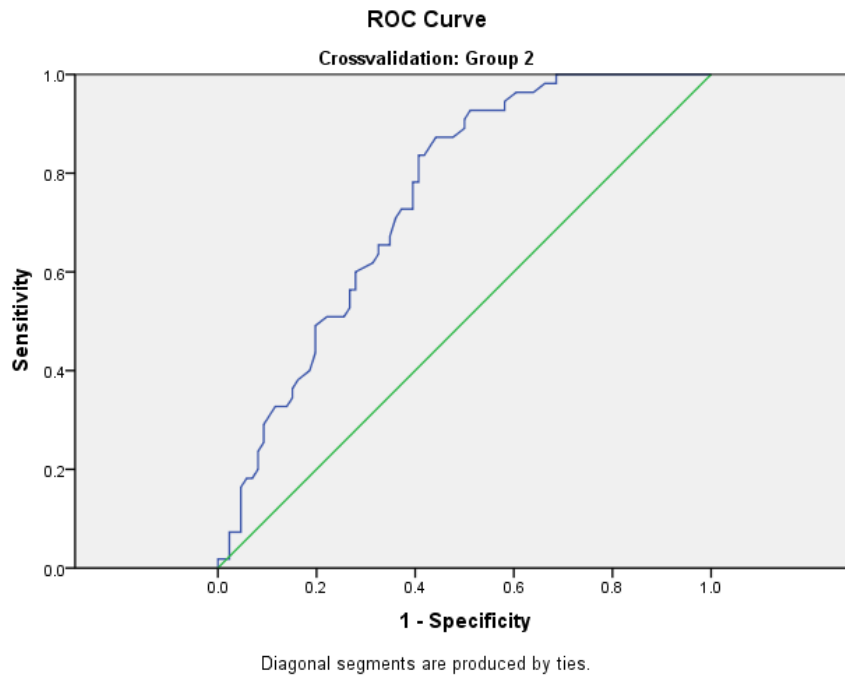
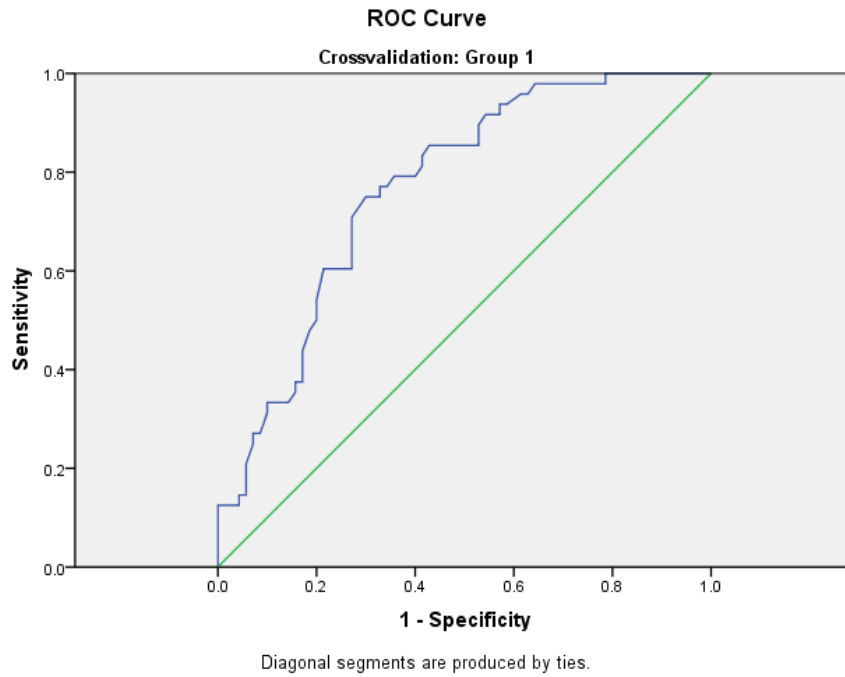
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.768	.043	.000	.684	.852
Group 2	.748	.040	.000	.669	.826

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.



**Grade 4
Spring PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
34.00	.000	1.000	-	-
37.00	-	-	.000	1.000
37.50	.021	1.000	-	-
46.00	.042	1.000	-	-
46.50	-	-	.018	1.000
53.00	.063	1.000	-	-
55.00	.083	1.000	-	-
57.00	.104	1.000	-	-
58.00	-	-	.018	.988
61.50	.125	1.000	-	-
62.50	-	-	.018	.977
64.50	-	-	.073	.977
66.00	.125	.986	.073	.965
68.00	.125	.971	.073	.953
69.50	-	-	.091	.953
70.50	-	-	.127	.953
72.00	.125	.957	.145	.953
74.00	-	-	.164	.953
75.50	.146	.957	-	-
76.00	-	-	.182	.942
76.50	.146	.943	-	-
77.50	.167	.943	-	-
78.00	-	-	.182	.930
78.50	.188	.943	-	-
80.50	-	-	.200	.919
81.50	.208	.943	-	-
84.00	-	-	.218	.919
86.50	.250	.929	.236	.919
87.50	-	-	.255	.907
89.50	.271	.929	.273	.907
90.50	.271	.914	-	-
91.50	-	-	.291	.907
92.50	.313	.900	-	-
93.00	-	-	.309	.895
94.50	.333	.900	.327	.884
95.50	-	-	.327	.872

Grade 4
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
97.00	.333	.886	.327	.860
98.50	-	-	.345	.849
99.50	.333	.857	-	-
100.00	-	-	.364	.849
100.50	.354	.843	-	-
101.50	-	-	.382	.837
102.00	.375	.843	-	-
102.50	-	-	.400	.814
103.50	-	-	.436	.802
104.50	.375	.829	.455	.802
105.50	-	-	.473	.802
106.50	.417	.829	.491	.802
107.50	.438	.829	-	-
108.50	-	-	.509	.779
109.00	.479	.814	-	-
110.50	.500	.800	.509	.767
111.50	.542	.800	.509	.744
112.50	.604	.786	-	-
113.00	-	-	.527	.733
114.00	.604	.771	-	-
115.50	.604	.729	.564	.733
116.50	.667	.729	-	-
117.50	.708	.729	.564	.721
118.50	.729	.714	.600	.721
119.50	-	-	.618	.686
120.50	.750	.700	-	-
121.00	-	-	.636	.674
122.50	.750	.686	.655	.674
123.50	-	-	.655	.663
124.00	.750	.671	-	-
125.00	-	-	.655	.651
125.50	.771	.671	-	-
126.50	.771	.657	-	-
127.00	-	-	.673	.651
128.00	.792	.643	-	-
128.50	-	-	.709	.640
129.50	.792	.629	-	-

Grade 4
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
130.00	-	-	.727	.628
130.50	.792	.614	-	-
131.50	.792	.600	.727	.605
132.50	.813	.586	.782	.605
133.50	.833	.586	.782	.593
134.50	.854	.571	.800	.593
135.50	.854	.543	-	-
137.00	.854	.500	.818	.593
139.50	.854	.486	.836	.593
140.50	-	-	.836	.581
141.50	.854	.471	-	-
142.00	-	-	.855	.570
143.00	.875	.471	-	-
144.00	-	-	.873	.558
145.00	.896	.471	-	-
145.50	-	-	.873	.523
146.50	.917	.457	.891	.500
147.50	-	-	.909	.500
148.00	.917	.443	-	-
148.50	-	-	.927	.488
149.50	-	-	.927	.453
150.50	.917	.429	.927	.430
151.50	-	-	.927	.419
152.50	.938	.429	.945	.419
153.50	-	-	.964	.395
154.50	.938	.414	.964	.384
156.00	-	-	.964	.372
157.50	.958	.386	-	-
158.50	-	-	.964	.360
159.50	.958	.371	-	-
160.50	.979	.357	-	-
161.00	-	-	.982	.337
161.50	.979	.329	-	-
162.50	.979	.286	-	-
164.00	.979	.271	.982	.326
165.50	.979	.257	-	-
166.50	.979	.243	.982	.314

Grade 4
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
167.50	.979	.229	-	-
168.00	-	-	1.000	.314
169.50	.979	.214	1.000	.291
170.50	-	-	1.000	.267
171.50	1.000	.214	1.000	.256
172.50	1.000	.186	-	-
174.50	1.000	.171	1.000	.244
178.00	1.000	.157	1.000	.221
180.00	-	-	1.000	.198
180.50	1.000	.143	-	-
182.50	1.000	.129	1.000	.186
184.50	-	-	1.000	.174
185.50	1.000	.100	1.000	.163
187.50	1.000	.086	1.000	.151
189.50	1.000	.057	-	-
191.00	-	-	1.000	.140
191.50	1.000	.043	-	-
194.50	-	-	1.000	.116
195.50	1.000	.029	-	-
197.00	-	-	1.000	.093
201.50	-	-	1.000	.081
203.50	1.000	.014	-	-
206.00	-	-	1.000	.070
207.50	-	-	1.000	.058
209.00	1.000	.000	-	-
209.50	-	-	1.000	.047
212.00	-	-	1.000	.035
214.00	-	-	1.000	.023
233.50	-	-	1.000	.012
253.00	-	-	1.000	.000

**Grade 4
Spring MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	82
	Negative	184
	Missing	361
Group 2	Positive ^a	95
	Negative	178
	Missing	355

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

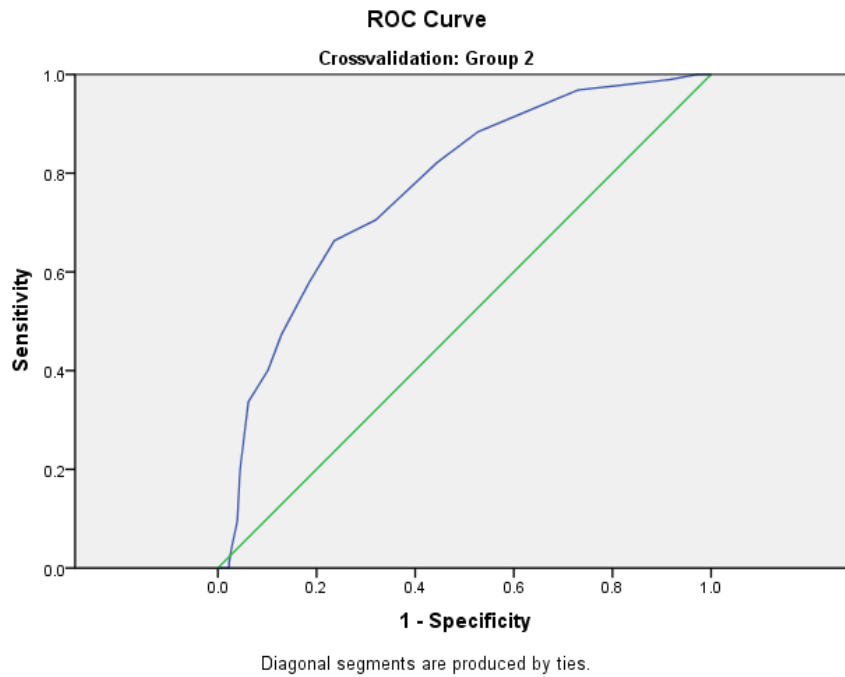
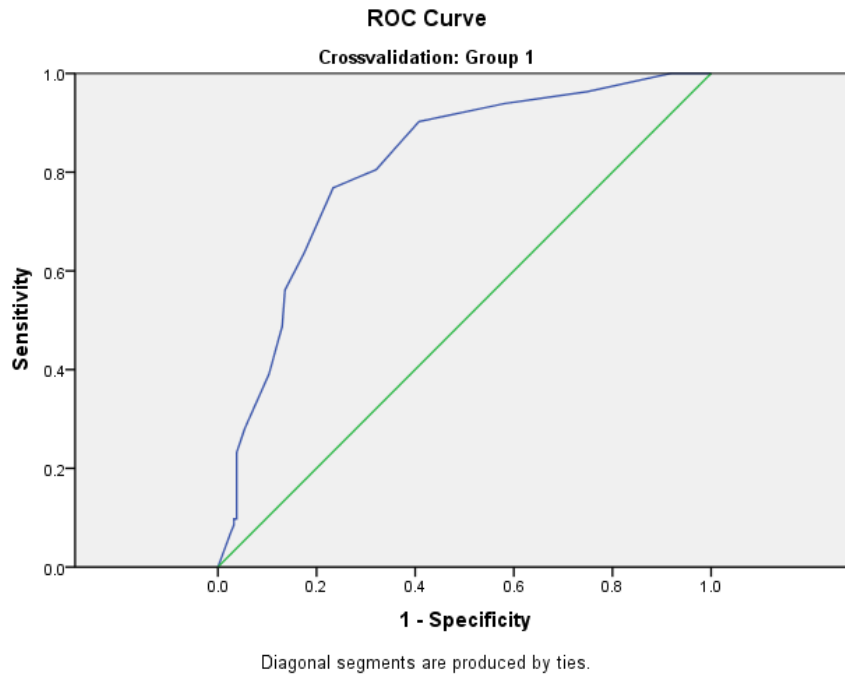
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.812	.028	.000	.757	.866
Group 2	.771	.029	.000	.713	.828

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.



**Grade 4
Spring MCRC Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	.073	.973	-	-
1.50	.085	.967	-	-
2.00	-	-	.000	.978
2.50	.098	.967	-	-
3.50	.098	.962	-	-
4.50	.134	.962	-	-
5.00	-	-	.011	.978
5.50	.159	.962	-	-
6.50	.232	.962	.042	.972
7.50	.280	.946	.095	.961
8.50	.329	.924	.200	.955
9.50	.390	.897	.337	.938
10.50	.488	.870	.400	.899
11.50	.561	.864	.474	.871
12.50	.634	.826	.579	.815
13.50	.768	.766	.663	.764
14.50	.805	.679	.705	.680
15.50	.902	.592	.821	.556
16.50	.939	.418	.884	.472
17.50	.963	.250	.968	.270
18.50	1.000	.082	.989	.084
19.50	1.000	.011	1.000	.028
21.00	1.000	.000	1.000	.000

**Grade 4
Spring VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	73
	Negative	148
	Missing	406
Group 2	Positive ^a	82
	Negative	160
	Missing	386

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

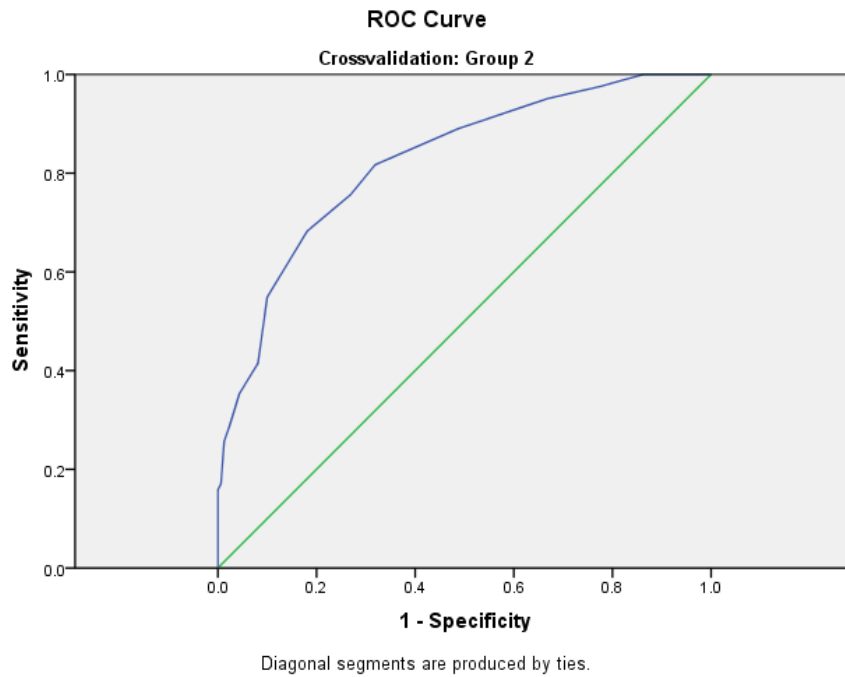
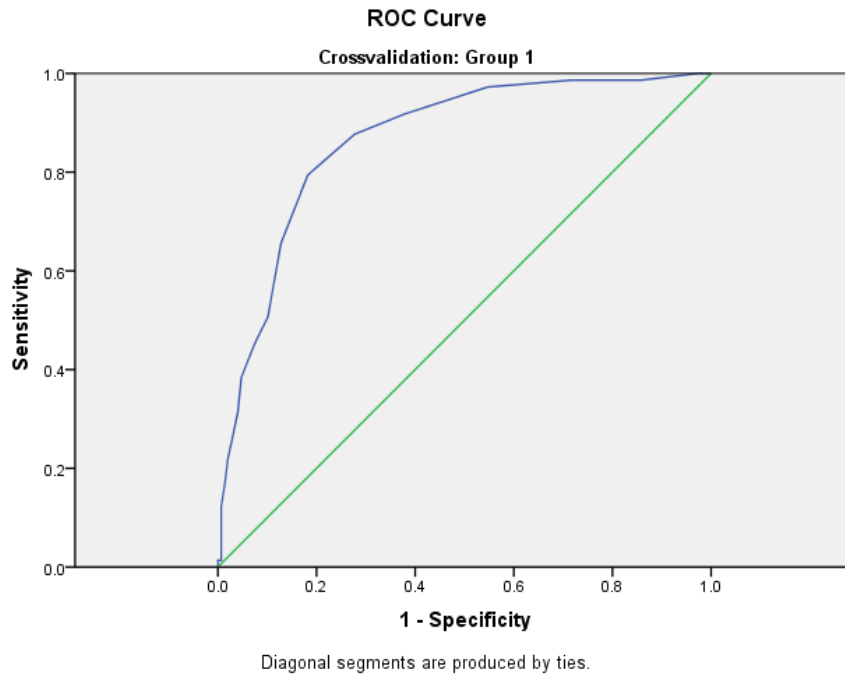
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.866	.025	.000	.816	.915
Group 2	.825	.028	.000	.770	.880

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.



**Grade 4
Spring VOC Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
2.00	.014	1.000	-	-
3.50	-	-	.024	1.000
5.00	.014	.993	-	-
6.50	.027	.993	-	-
7.50	-	-	.049	1.000
8.00	.041	.993	-	-
8.50	-	-	.073	1.000
9.50	.055	.993	.122	1.000
10.50	.123	.993	.159	1.000
11.50	.164	.986	.171	.994
12.50	.219	.980	.256	.988
13.50	.315	.959	.293	.975
14.50	.384	.953	.354	.956
15.50	.452	.926	.415	.919
16.50	.507	.899	.549	.900
17.50	.658	.872	.683	.819
18.50	.795	.818	.756	.731
19.50	.877	.723	.817	.681
20.50	.918	.622	.890	.513
21.50	.973	.453	.951	.331
22.50	.986	.284	.976	.225
23.50	.986	.142	1.000	.138
24.50	1.000	.027	1.000	.031
26.00	1.000	.000	1.000	.000

**Grade 5
Fall PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	32
	Negative	37
	Missing	560
Group 2	Positive ^a	30
	Negative	47
	Missing	552

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

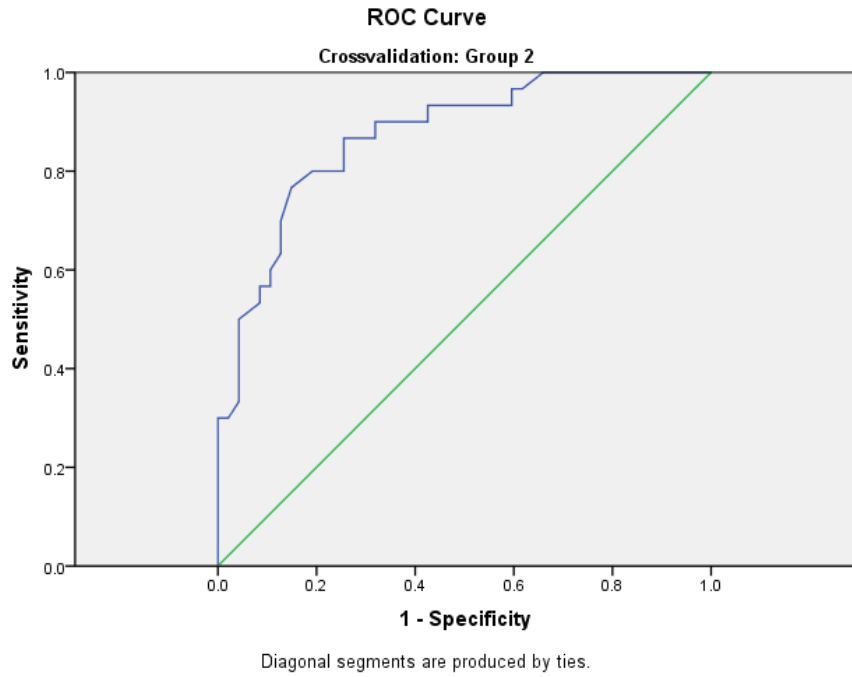
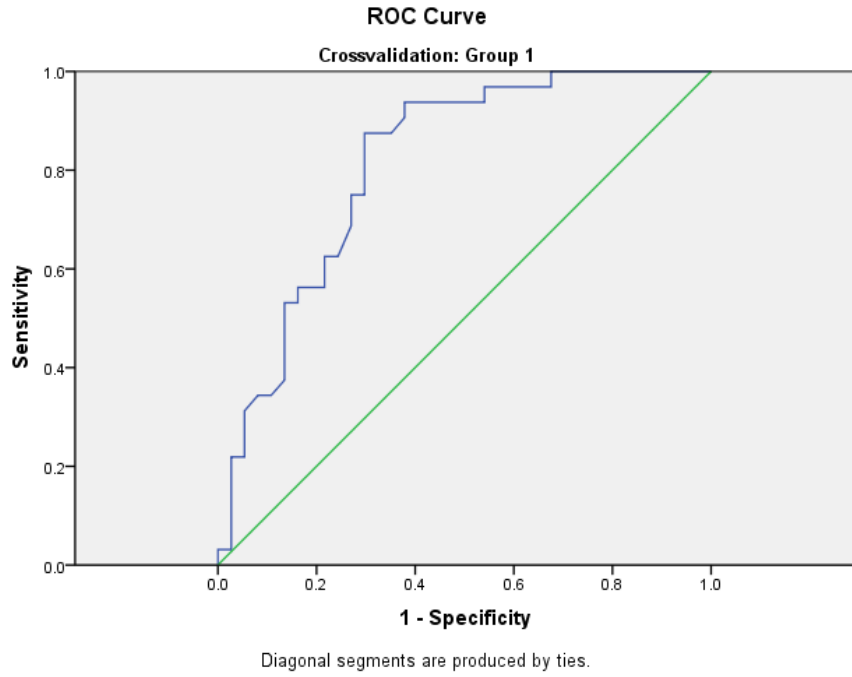
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.813	.052	.000	.712	.914
Group 2	.873	.040	.000	.794	.952

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.



**Grade 5
Fall PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	-	-
12.00	-	-	.000	1.000
23.00	-	-	.033	1.000
29.50	.031	1.000	-	-
36.50	-	-	.067	1.000
46.50	-	-	.133	1.000
65.00	.031	.973	.167	1.000
74.50	.094	.973	-	-
77.50	-	-	.200	1.000
79.00	-	-	.233	1.000
80.00	.125	.973	-	-
81.50	-	-	.267	1.000
82.50	.188	.973	-	-
83.50	-	-	.300	1.000
85.00	.219	.973	.300	.979
87.50	.219	.946	-	-
88.00	-	-	.333	.957
88.50	.250	.946	-	-
90.00	.281	.946	-	-
92.00	-	-	.367	.957
93.50	.313	.946	-	-
95.00	-	-	.400	.957
97.50	.344	.919	-	-
99.00	-	-	.467	.957
101.50	.344	.892	-	-
102.50	-	-	.500	.957
104.50	.375	.865	.533	.915
106.00	.438	.865	-	-
106.50	-	-	.567	.915
107.50	.469	.865	.567	.894
109.00	.500	.865	.600	.894
110.50	.531	.865	-	-
111.00	-	-	.633	.872

Grade 5
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
111.50	.531	.838	-	-
113.00	-	-	.667	.872
114.00	.563	.838	-	-
114.50	-	-	.700	.872
115.50	-	-	.767	.851
116.50	.563	.811	-	-
117.00	-	-	.800	.809
118.50	-	-	.800	.745
120.00	.563	.784	-	-
121.50	-	-	.833	.745
123.50	.625	.784	-	-
124.50	-	-	.867	.745
125.50	.625	.757	-	-
126.50	-	-	.867	.702
127.50	.688	.730	-	-
128.50	-	-	.867	.681
129.50	.750	.730	-	-
131.00	-	-	.900	.681
132.00	.750	.703	-	-
133.50	.781	.703	-	-
134.50	.813	.703	-	-
135.00	-	-	.900	.638
137.00	.844	.703	-	-
138.00	-	-	.900	.617
139.50	-	-	.900	.574
140.50	-	-	.933	.574
141.50	-	-	.933	.553
142.00	.875	.703	-	-
143.00	-	-	.933	.532
145.00	-	-	.933	.511
145.50	.875	.649	-	-
146.50	.906	.622	.933	.447
147.50	.938	.622	-	-
148.00	-	-	.933	.426
149.00	.938	.595	-	-

Grade 5
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
150.00	-	-	.933	.404
151.50	-	-	.967	.404
152.50	.938	.568	-	-
153.50	-	-	.967	.383
155.50	-	-	1.000	.340
156.00	.938	.541	-	-
156.50	-	-	1.000	.319
157.50	.938	.514	-	-
158.50	-	-	1.000	.298
159.50	.938	.486	-	-
161.50	.938	.459	-	-
162.00	-	-	1.000	.277
164.00	.969	.459	-	-
166.00	-	-	1.000	.255
166.50	.969	.432	-	-
172.00	.969	.378	-	-
175.00	-	-	1.000	.234
178.00	.969	.351	-	-
179.50	.969	.324	-	-
182.00	1.000	.324	-	-
183.00	-	-	1.000	.213
184.50	1.000	.297	-	-
185.00	-	-	1.000	.191
186.00	1.000	.270	-	-
189.00	1.000	.216	-	-
191.00	-	-	1.000	.170
192.00	1.000	.189	-	-
199.00	-	-	1.000	.149
201.00	1.000	.162	-	-
202.50	-	-	1.000	.128
204.00	-	-	1.000	.106
205.50	-	-	1.000	.085
208.50	-	-	1.000	.064
210.00	1.000	.135	-	-
211.50	1.000	.108	-	-

**Grade 5
Fall PRF Benchmark (continued)**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
216.00	-	-	1.000	.043
219.50	1.000	.081	-	-
228.50	-	-	1.000	.021
230.00	1.000	.054	-	-
236.50	1.000	.027	-	-
237.00	-	-	1.000	.000
241.00	1.000	.000	-	-

**Grade 5
Fall MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	32
	Negative	37
	Missing	560
Group 2	Positive ^a	30
	Negative	46
	Missing	553

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

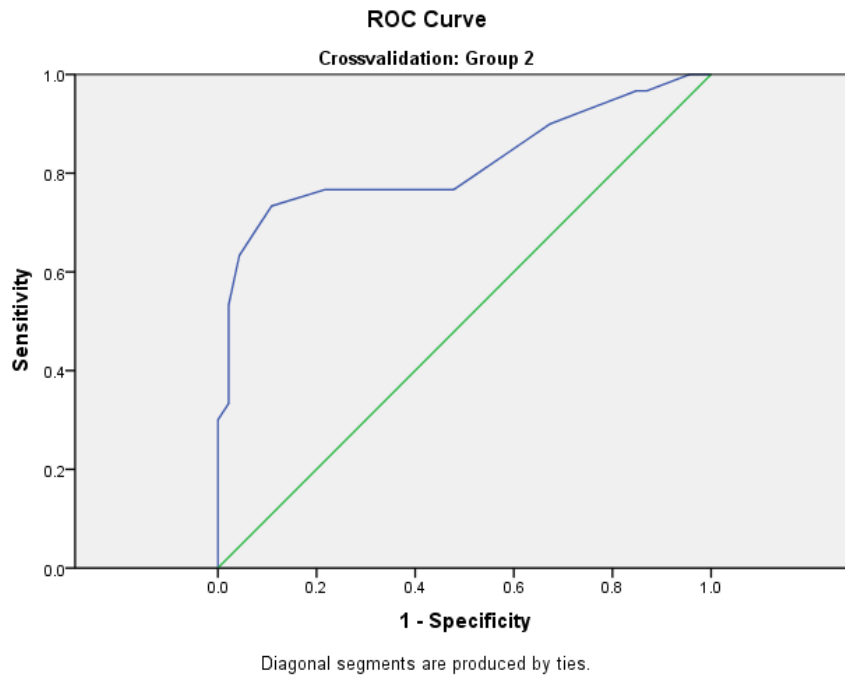
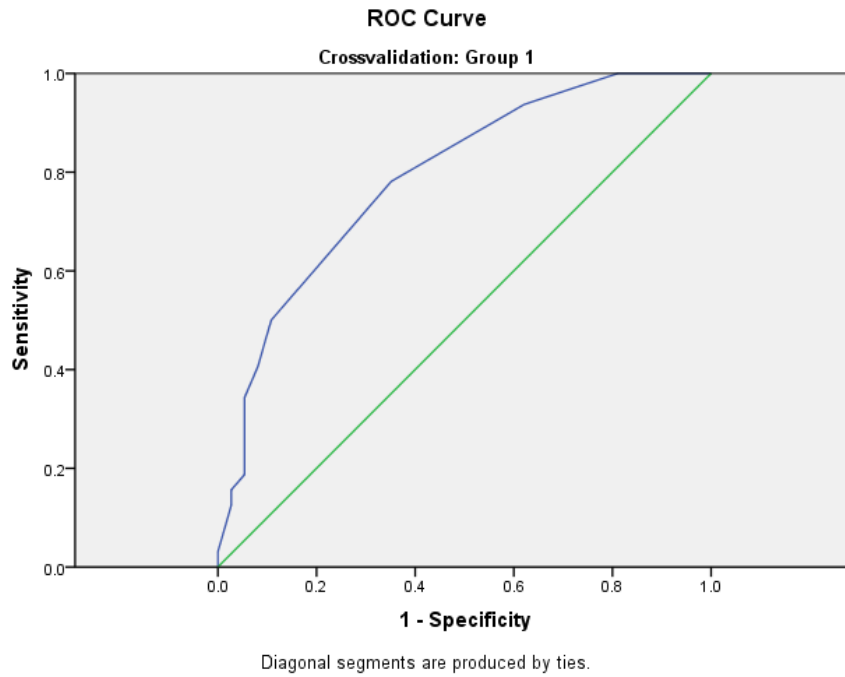
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.790	.054	.000	.684	.896
Group 2	.821	.056	.000	.712	.930

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.



Grade 5
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	-	-	.000	1.000
2.50	-	-	.033	1.000
5.00	.000	1.000	-	-
5.50	-	-	.067	1.000
6.50	.031	1.000	.100	1.000
7.50	.125	.973	.200	1.000
8.50	.156	.973	.300	1.000
9.50	.188	.946	.333	.978
10.50	.344	.946	.533	.978
11.50	.406	.919	.633	.957
12.50	.500	.892	.733	.891
13.50	.688	.730	.767	.783
14.50	.781	.649	.767	.522
15.50	.938	.378	.900	.326
16.50	1.000	.189	.967	.152
17.50	1.000	.027	.967	.130
18.50	-	-	1.000	.043
19.00	1.000	.000	-	-
19.50	-	-	1.000	.022
21.00	-	-	1.000	.000

**Grade 5
Fall VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	32
	Negative	37
	Missing	560
Group 2	Positive ^a	30
	Negative	47
	Missing	552

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

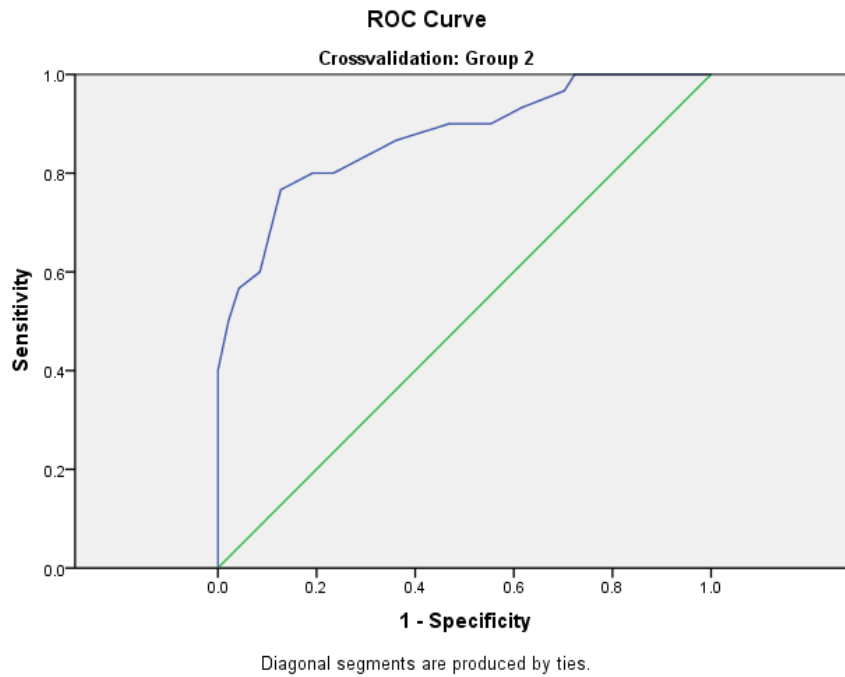
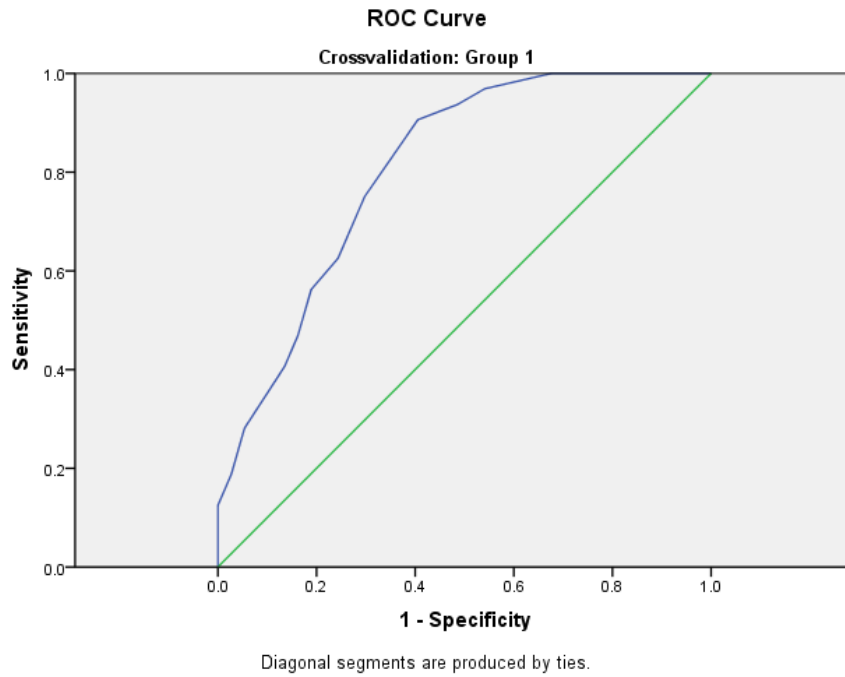
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.807	.051	.000	.706	.907
Group 2	.873	.042	.000	.790	.956

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 5
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
5.00	.000	1.000	.000	1.000
6.50	.031	1.000	.100	1.000
7.50	.063	1.000	.133	1.000
8.50	.125	1.000	.267	1.000
9.50	.188	.973	.400	1.000
10.50	.281	.946	.500	.979
11.50	.406	.865	.567	.957
12.50	.469	.838	.600	.915
13.50	.563	.811	.767	.872
14.50	.625	.757	.800	.809
15.50	.688	.730	.800	.766
16.50	.750	.703	.867	.638
17.50	.906	.595	.900	.532
18.50	.938	.514	.900	.447
19.50	.969	.459	.933	.383
20.50	1.000	.324	.967	.298
21.50	1.000	.216	1.000	.277
22.50	1.000	.108	1.000	.149
23.50	1.000	.054	-	-
24.00	-	-	1.000	.000
25.00	1.000	.000	-	-

**Grade 5
Winter PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	55
	Negative	63
	Missing	511
Group 2	Positive ^a	55
	Negative	75
	Missing	499

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

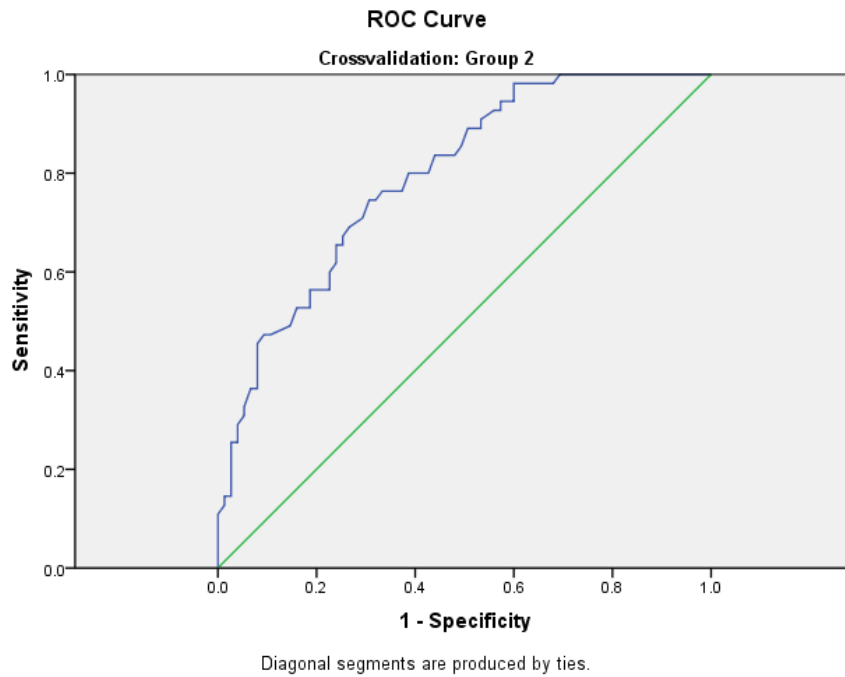
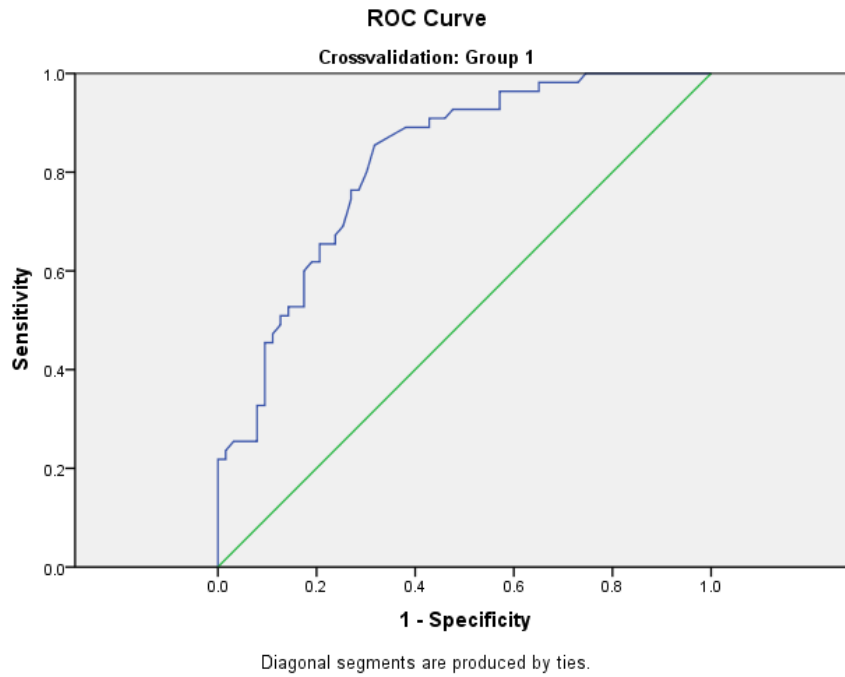
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.818	.038	.000	.743	.893
Group 2	.794	.038	.000	.719	.869

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.



**Grade 5
Winter PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
8.00	.000	1.000	-	-
20.00	-	-	.000	1.000
24.00	.018	1.000	-	-
30.50	-	-	.018	1.000
40.50	.036	1.000	-	-
44.50	-	-	.036	1.000
56.50	.055	1.000	-	-
59.00	-	-	.055	1.000
72.00	-	-	.073	1.000
77.00	.073	1.000	-	-
79.00	-	-	.091	1.000
84.50	.091	1.000	-	-
85.00	-	-	.109	1.000
86.50	.127	1.000	-	-
88.00	.200	1.000	.127	.987
89.50	.218	1.000	.145	.987
90.50	.218	.984	.145	.973
92.50	-	-	.164	.973
93.00	.236	.984	-	-
94.50	-	-	.182	.973
95.50	.255	.968	-	-
96.00	-	-	.200	.973
97.00	.255	.952	-	-
97.50	-	-	.218	.973
98.50	-	-	.255	.973
100.00	-	-	.255	.960
101.00	.255	.921	-	-
101.50	-	-	.273	.960
102.50	-	-	.291	.960
104.00	-	-	.309	.947
105.00	.273	.921	-	-
105.50	-	-	.327	.947
106.50	-	-	.364	.933
107.00	.291	.921	-	-
107.50	-	-	.364	.920
109.00	.327	.921	.382	.920

Grade 5
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
110.50	-	-	.436	.920
111.50	.327	.905	.455	.920
113.00	-	-	.473	.907
114.50	.345	.905	.473	.893
115.50	-	-	.491	.853
116.50	.364	.905	.527	.840
117.50	-	-	.527	.827
118.00	.382	.905	-	-
119.50	.400	.905	.527	.813
120.50	.455	.905	-	-
121.50	.455	.889	.564	.813
122.50	-	-	.564	.800
123.00	.473	.889	-	-
123.50	-	-	.564	.787
125.00	-	-	.564	.773
125.50	.491	.873	-	-
127.00	-	-	.600	.773
127.50	.509	.873	-	-
128.50	-	-	.618	.760
129.00	.509	.857	-	-
129.50	-	-	.636	.760
130.50	.527	.857	.655	.760
131.50	.527	.841	.655	.747
132.50	.527	.825	.673	.747
133.50	-	-	.691	.733
134.00	.600	.825	-	-
134.50	-	-	.709	.707
135.50	.618	.810	-	-
136.00	-	-	.745	.693
136.50	.618	.794	-	-
137.50	-	-	.745	.680
138.50	-	-	.764	.667
139.00	.655	.794	.764	.627
140.50	-	-	.800	.613
141.50	.655	.778	.800	.600

Grade 5
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
142.50	.655	.762	.800	.573
143.50	.673	.762	.836	.560
144.50	-	-	.836	.520
145.00	.691	.746	-	-
145.50	-	-	.855	.507
146.50	.745	.730	.891	.493
147.50	.764	.730	-	-
148.00	-	-	.891	.480
148.50	.764	.714	-	-
149.50	.800	.698	-	-
150.00	-	-	.891	.467
150.50	.855	.683	-	-
151.50	.873	.651	.909	.467
152.50	.891	.619	.927	.440
153.50	.891	.603	.927	.427
154.50	.891	.587	-	-
156.00	.891	.571	.945	.427
159.00	-	-	.945	.413
159.50	.909	.571	-	-
160.50	-	-	.945	.400
162.00	-	-	.982	.400
162.50	.909	.540	-	-
164.00	.927	.524	-	-
165.00	-	-	.982	.373
165.50	.927	.508	-	-
166.50	.927	.476	-	-
167.50	.927	.429	-	-
168.50	.945	.429	-	-
169.00	-	-	.982	.360
171.00	.964	.429	-	-
171.50	-	-	.982	.320
172.50	-	-	1.000	.307
174.50	.964	.413	1.000	.293
176.50	.964	.397	-	-
177.00	-	-	1.000	.280

Grade 5
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
177.50	.964	.381	-	-
178.50	.964	.349	1.000	.267
179.50	.982	.349	1.000	.240
180.50	.982	.333	-	-
182.00	.982	.317	1.000	.227
186.00	.982	.286	-	-
189.50	.982	.270	-	-
190.50	1.000	.254	-	-
191.50	1.000	.238	-	-
193.00	1.000	.222	-	-
195.50	1.000	.206	-	-
198.00	1.000	.190	-	-
203.50	1.000	.175	-	-
209.50	1.000	.159	1.000	.213
211.50	1.000	.127	1.000	.200
213.00	1.000	.111	1.000	.187
214.50	1.000	.095	1.000	.173
216.50	1.000	.079	1.000	.147
219.00	1.000	.063	1.000	.133
221.00	1.000	.048	1.000	.120
234.00	1.000	.032	1.000	.107
247.00	1.000	.016	1.000	.093
249.00	1.000	.000	1.000	.080
216.00	-	-	1.000	.067
217.50	-	-	1.000	.053
222.50	-	-	1.000	.040
228.50	-	-	1.000	.027
235.50	-	-	1.000	.013
242.00	-	-	1.000	.000

**Grade 5
Winter MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	57
	Negative	78
	Missing	494
Group 2	Positive ^a	63
	Negative	95
	Missing	471

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

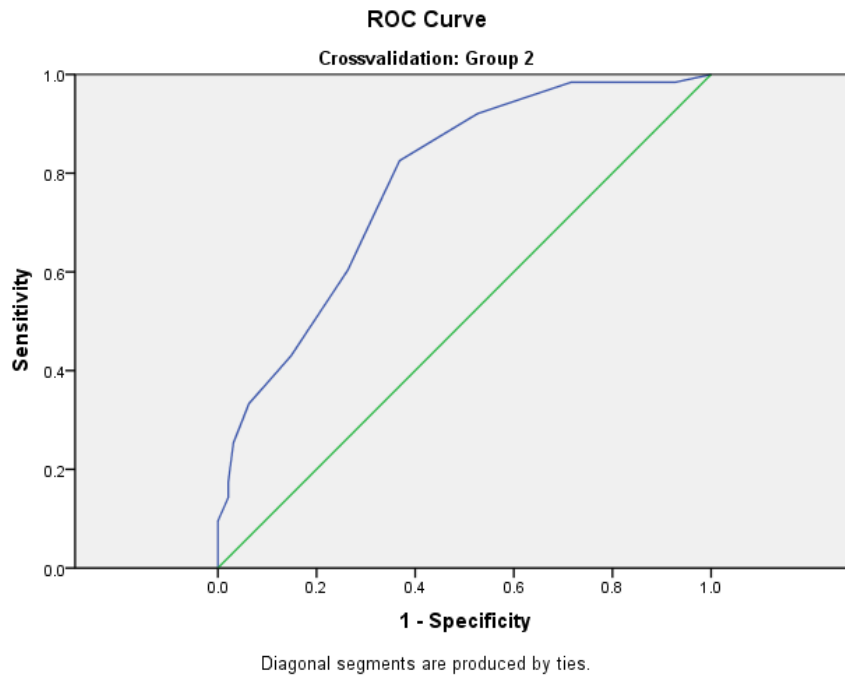
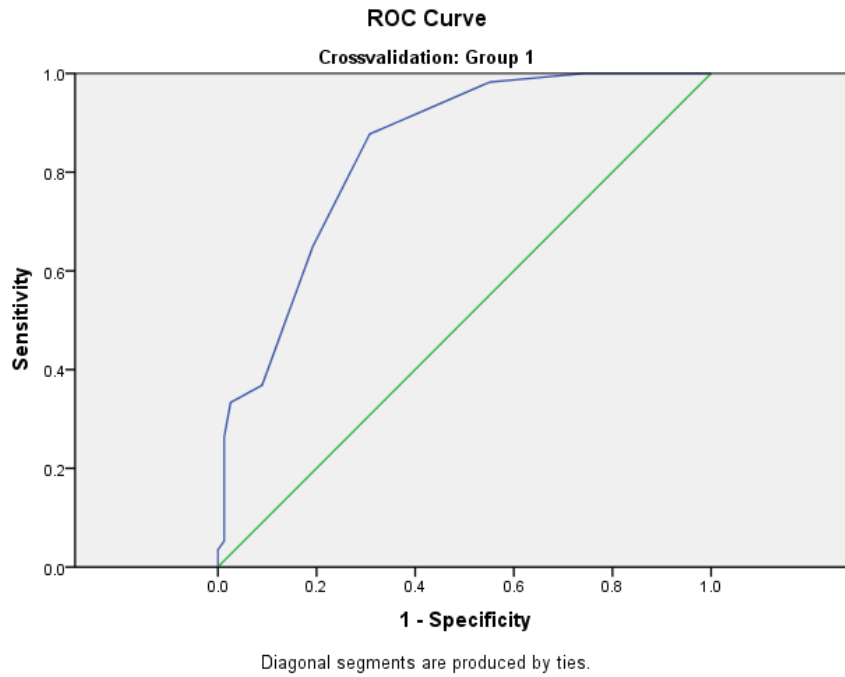
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.841	.033	.000	.776	.905
Group 2	.780	.036	.000	.708	.851

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.



Grade 5
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
3.00	.000	1.000	-	-
5.00	.035	1.000	.000	1.000
6.50	.053	.987	.016	1.000
7.50	.088	.987	.048	1.000
8.50	.105	.987	.063	1.000
9.50	.158	.987	.095	1.000
10.50	.211	.987	.143	.979
11.50	.263	.987	.175	.979
12.50	.333	.974	.254	.968
13.50	.368	.910	.333	.937
14.50	.509	.859	.429	.853
15.50	.649	.808	.603	.737
16.50	.877	.692	.825	.632
17.50	.982	.449	.921	.474
18.50	1.000	.256	.984	.284
19.50	1.000	.064	.984	.074
21.00	1.000	.000	1.000	.000

**Grade 5
Spring PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	47
	Negative	60
	Missing	522
Group 2	Positive ^a	50
	Negative	71
	Missing	508

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

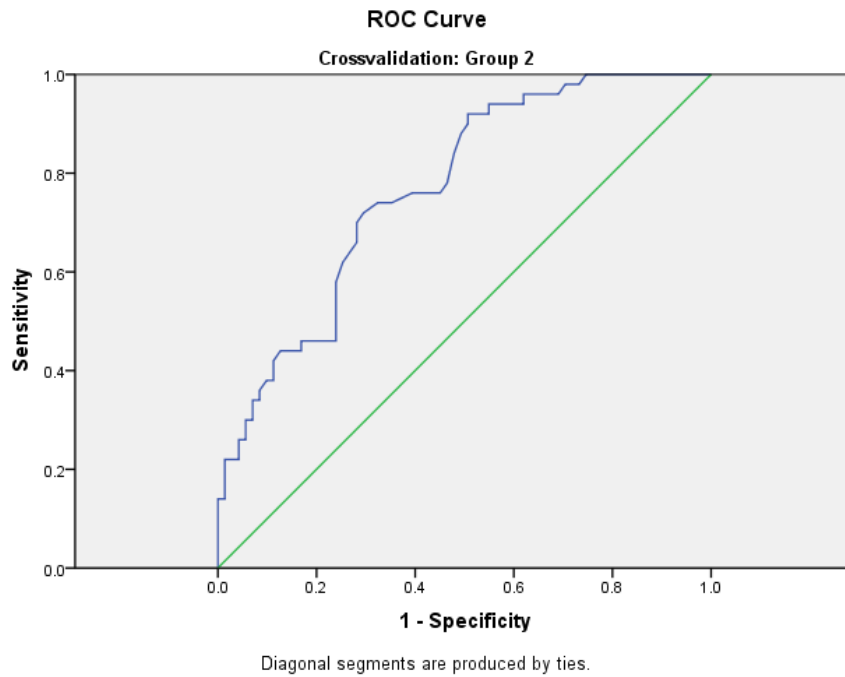
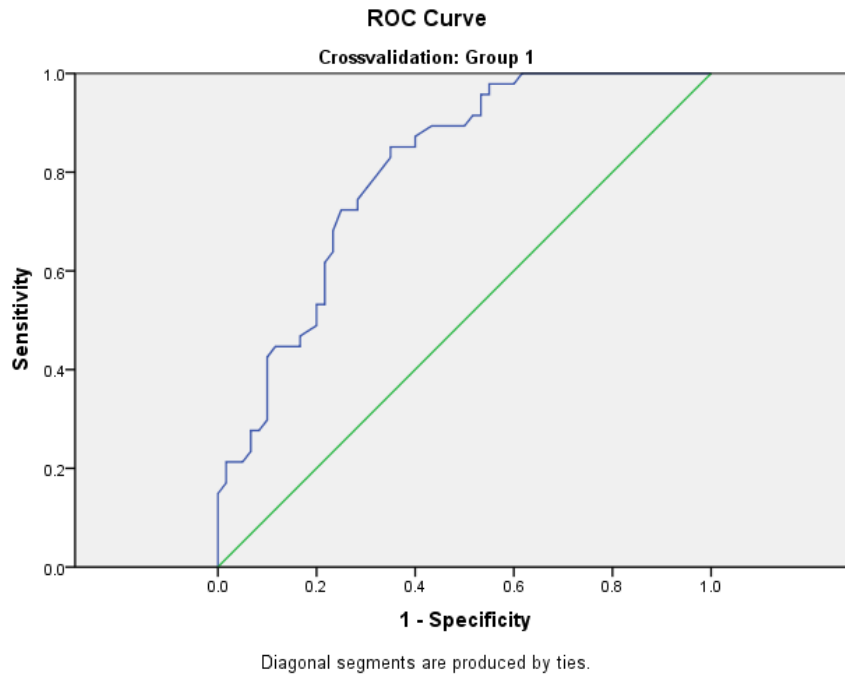
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.803	.041	.000	.721	.884
Group 2	.769	.042	.000	.687	.851

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.



**Grade 5
Spring PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
23.00	-	-	.000	1.000
27.50	-	-	.020	1.000
28.00	.000	1.000	-	-
49.00	.021	1.000	-	-
51.00	-	-	.040	1.000
75.00	-	-	.060	1.000
76.00	.043	1.000	-	-
80.50	-	-	.080	1.000
83.00	-	-	.100	1.000
83.50	.064	1.000	-	-
84.50	-	-	.120	1.000
86.00	-	-	.140	1.000
87.50	-	-	.140	.986
88.00	.085	1.000	-	-
89.50	-	-	.160	.986
92.50	.106	1.000	-	-
93.00	-	-	.180	.986
93.50	.128	1.000	-	-
95.50	.149	1.000	-	-
98.50	.170	.983	.220	.986
102.00	.213	.983	-	-
103.00	-	-	.220	.972
104.50	.213	.967	.220	.958
106.00	.213	.950	.240	.958
107.50	-	-	.260	.958
108.50	-	-	.260	.944
109.50	-	-	.280	.944
110.50	.234	.933	-	-
111.50	-	-	.300	.944
114.00	-	-	.300	.930
115.50	.255	.933	-	-
117.50	-	-	.320	.930
118.50	.277	.933	-	-
120.50	.277	.917	.340	.930
122.00	-	-	.340	.915

Grade 5
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
122.50	.298	.900	-	-
124.00	-	-	.360	.915
124.50	.319	.900	-	-
126.00	-	-	.380	.901
127.00	.340	.900	-	-
127.50	-	-	.380	.887
128.50	-	-	.420	.887
129.50	.362	.900	.440	.873
130.50	.404	.900	.440	.859
131.50	-	-	.440	.831
132.00	.426	.900	-	-
132.50	-	-	.460	.831
133.50	.447	.883	.460	.817
135.00	.447	.867	.460	.803
136.50	.447	.850	.460	.789
137.50	.447	.833	.460	.775
138.50	.468	.833	.460	.761
139.50	.489	.800	.500	.761
140.50	-	-	.560	.761
141.50	.532	.800	-	-
142.00	-	-	.580	.761
144.00	-	-	.620	.746
144.50	.532	.783	-	-
145.50	-	-	.660	.718
146.50	-	-	.700	.718
147.00	.553	.783	-	-
148.00	-	-	.720	.704
148.50	.574	.783	-	-
149.50	.596	.783	.740	.676
150.50	.617	.783	.740	.662
151.50	.638	.767	.740	.648
152.50	-	-	.760	.606
153.50	-	-	.760	.592
154.50	.681	.767	.760	.563
156.00	-	-	.760	.549

Grade 5
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
157.50	.723	.750	.780	.535
158.50	.723	.733	-	-
159.00	-	-	.840	.521
159.50	.723	.717	-	-
160.50	-	-	.880	.507
161.00	.745	.717	-	-
161.50	-	-	.900	.493
162.50	.787	.683	.920	.493
163.50	.830	.650	-	-
164.00	-	-	.920	.479
164.50	.851	.650	-	-
165.50	-	-	.920	.465
167.00	.851	.600	-	-
167.50	-	-	.920	.451
170.00	-	-	.940	.451
170.50	.872	.600	-	-
171.50	-	-	.940	.437
172.50	.894	.567	.940	.423
173.50	.894	.550	-	-
174.50	.894	.517	.940	.408
176.00	.894	.500	-	-
177.00	-	-	.940	.380
177.50	.915	.483	-	-
179.00	-	-	.960	.380
179.50	.915	.467	-	-
180.50	-	-	.960	.324
181.50	.957	.467	.960	.310
182.50	.957	.450	-	-
183.50	-	-	.980	.296
184.00	.979	.450	-	-
185.50	-	-	.980	.268
186.00	.979	.433	-	-
186.50	-	-	1.000	.254
187.50	.979	.400	-	-
188.50	-	-	1.000	.239

Grade 5
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
190.00	1.000	.383	-	-
191.50	-	-	1.000	.225
192.50	1.000	.367	-	-
193.50	1.000	.333	-	-
194.50	1.000	.317	-	-
195.50	-	-	1.000	.169
197.00	1.000	.267	-	-
198.50	-	-	1.000	.155
199.50	1.000	.233	1.000	.141
200.50	1.000	.217	1.000	.113
201.50	1.000	.183	-	-
204.50	1.000	.150	-	-
207.00	-	-	1.000	.085
210.00	1.000	.133	-	-
214.00	-	-	1.000	.070
216.00	1.000	.117	1.000	.056
222.00	1.000	.100	-	-
222.50	-	-	1.000	.042
226.00	1.000	.083	-	-
228.00	1.000	.067	-	-
229.50	1.000	.050	-	-
233.50	1.000	.033	-	-
238.50	-	-	1.000	.028
246.50	1.000	.017	-	-
252.50	-	-	1.000	.014
257.00	1.000	.000	1.000	.000

**Grade 5
Spring MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	105
	Negative	235
	Missing	289
Group 2	Positive ^a	113
	Negative	223
	Missing	293

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

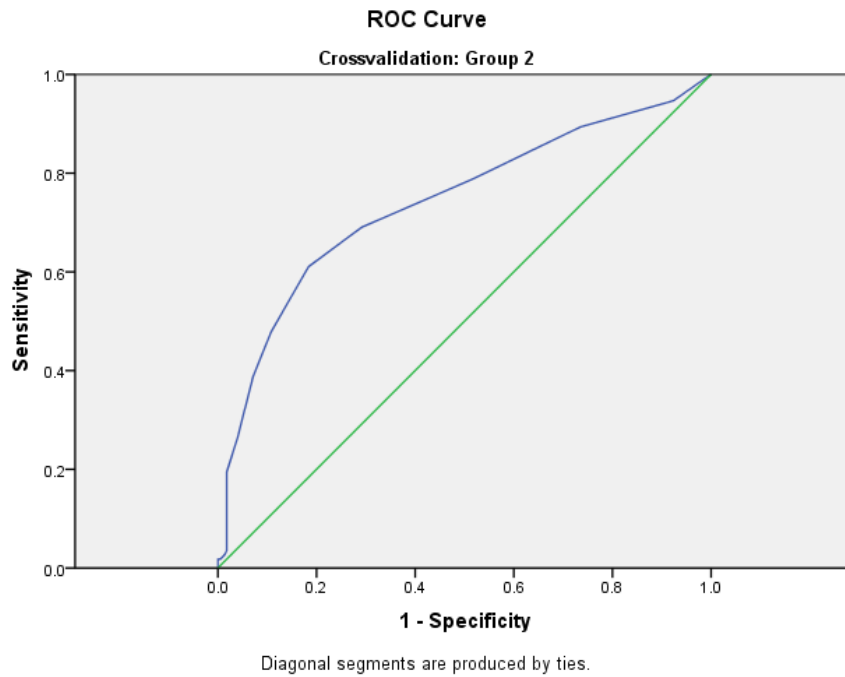
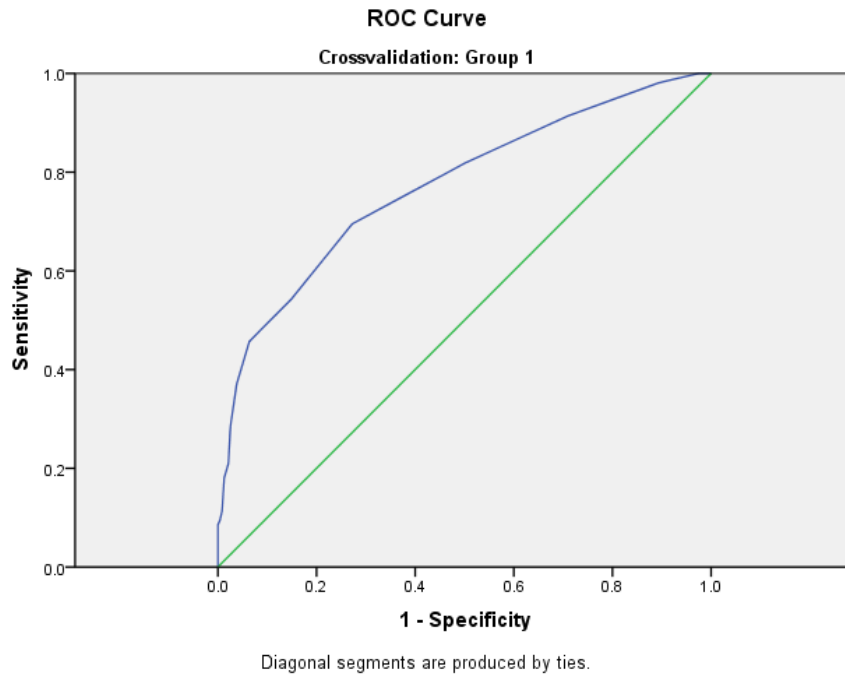
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.772	.029	.000	.715	.828
Group 2	.741	.031	.000	.681	.801

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.



**Grade 5
Spring MCRC Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	-	-	.018	1.000
2.00	.048	1.000	-	-
3.00	-	-	.018	.996
4.50	.057	1.000	.027	.987
5.50	.086	1.000	.035	.982
6.50	.095	.996	.062	.982
7.50	.114	.991	.115	.982
8.50	.181	.987	.159	.982
9.50	.210	.979	.195	.982
10.50	.286	.974	.265	.960
11.50	.371	.962	.389	.928
12.50	.457	.936	.478	.892
13.50	.543	.851	.611	.816
14.50	.695	.728	.690	.709
15.50	.819	.498	.788	.484
16.50	.914	.289	.894	.265
17.50	.981	.106	.947	.076
18.50	1.000	.026	.991	.013
19.50	1.000	.004	-	-
20.00	-	-	1.000	.000
21.00	1.000	.000	-	-

**Grade 5
Spring VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	94
	Negative	195
	Missing	340
Group 2	Positive ^a	99
	Negative	183
	Missing	347

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

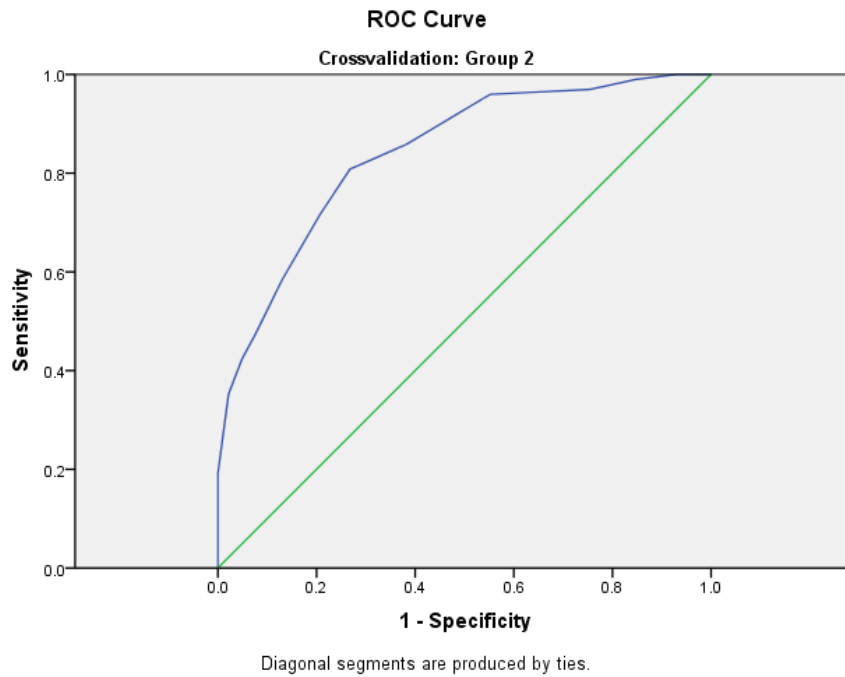
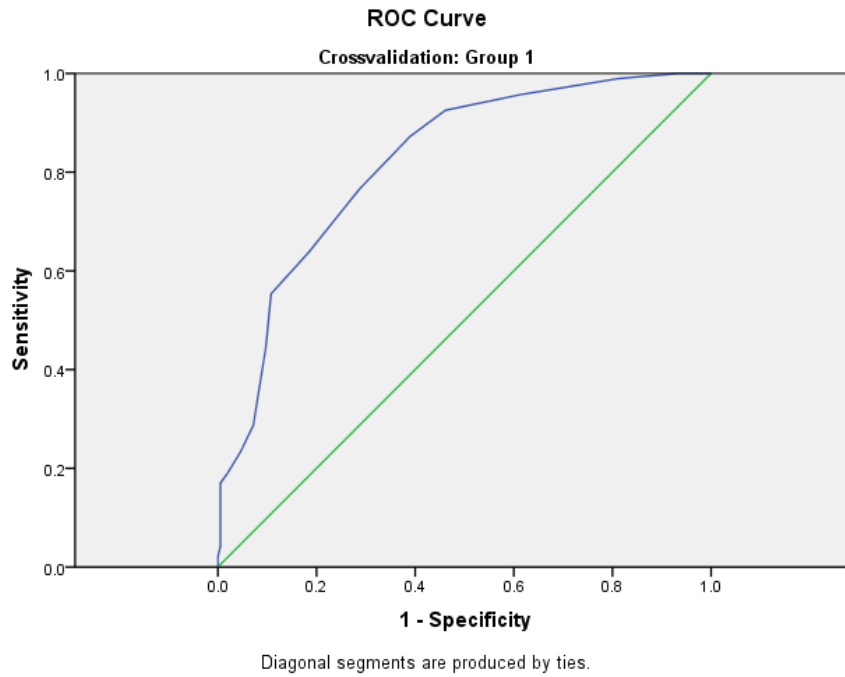
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.820	.025	.000	.770	.869
Group 2	.842	.024	.000	.794	.889

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.



Grade 5
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	-	-	.000	1.000
3.50	-	-	.020	1.000
4.00	.000	1.000	-	-
5.50	.011	1.000	-	-
6.50	.021	1.000	-	-
7.50	-	-	.051	1.000
8.00	.043	.995	-	-
8.50	-	-	.061	1.000
9.50	.053	.995	.121	1.000
10.50	.085	.995	.162	1.000
11.50	.096	.995	.192	1.000
12.50	.170	.995	.232	.995
13.50	.191	.979	.273	.989
14.50	.234	.954	.354	.978
15.50	.287	.928	.424	.951
16.50	.447	.903	.475	.923
17.50	.553	.892	.586	.869
18.50	.638	.815	.717	.792
19.50	.766	.713	.808	.732
20.50	.872	.610	.859	.617
21.50	.926	.538	.960	.448
22.50	.957	.385	.970	.246
23.50	.989	.190	.990	.153
24.50	1.000	.067	1.000	.071
26.00	1.000	.000	1.000	.000

Grade 6
Fall PRF Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	52
	Negative	71
	Missing	470
Group 2	Positive ^a	50
	Negative	58
	Missing	484

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

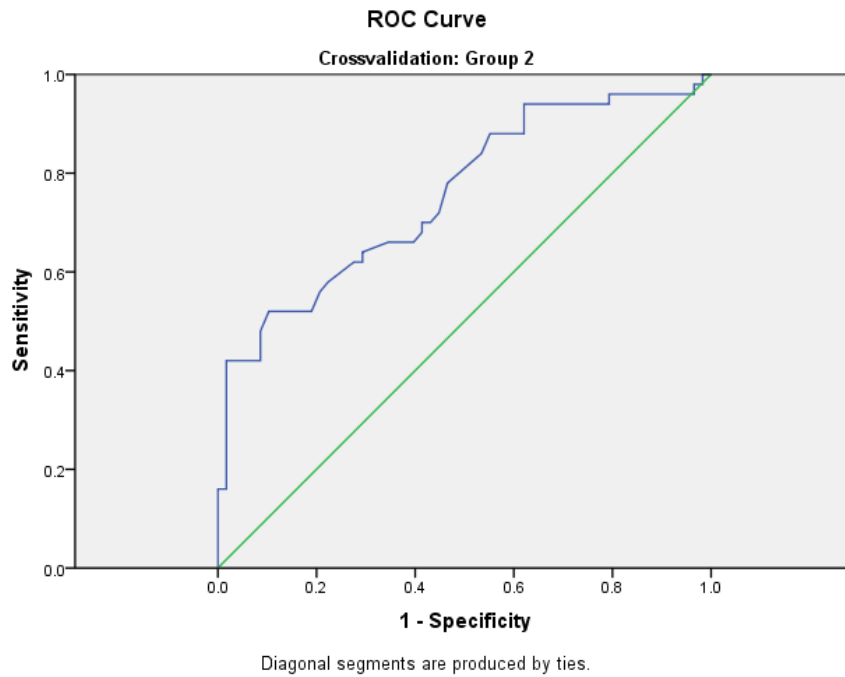
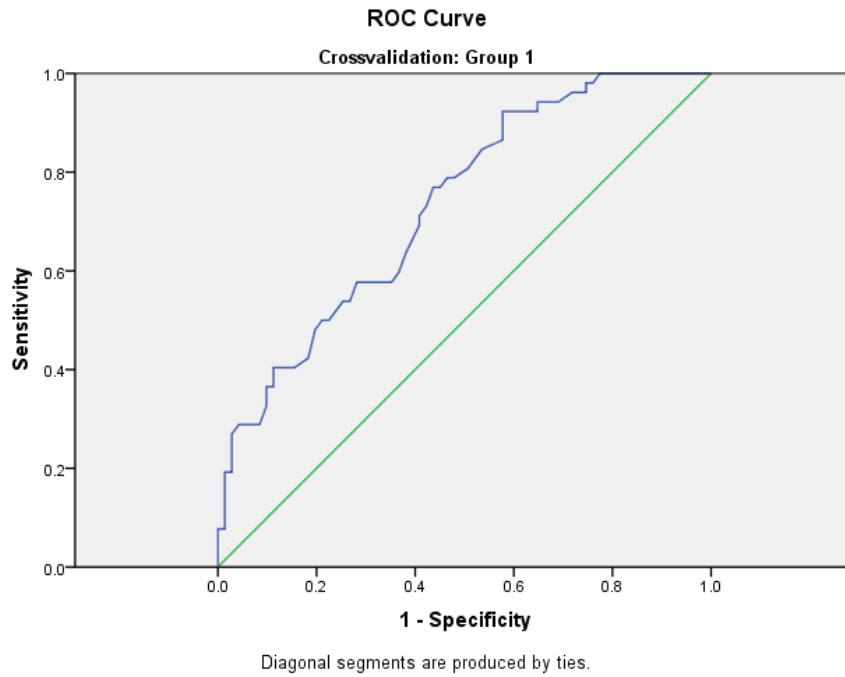
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.732	.044	.000	.645	.819
Group 2	.756	.047	.000	.664	.847

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.



Grade 6
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
73.00	.000	1.000	-	-
74.00	-	-	.000	1.000
79.00	-	-	.020	1.000
79.50	.019	1.000	-	-
84.00	-	-	.040	1.000
86.50	.038	1.000	-	-
88.50	.058	1.000	-	-
89.00	-	-	.060	1.000
90.00	.077	1.000	-	-
94.50	.077	.986	-	-
96.00	-	-	.080	1.000
100.50	.115	.986	-	-
102.00	-	-	.100	1.000
104.00	.154	.986	-	-
105.50	.173	.986	-	-
106.50	.192	.986	.140	1.000
108.00	.192	.972	-	-
108.50	-	-	.160	1.000
109.50	.212	.972	-	-
110.00	-	-	.160	.983
110.50	.231	.972	-	-
111.50	.269	.972	.200	.983
112.50	.288	.958	-	-
113.00	-	-	.260	.983
114.00	.288	.915	-	-
115.00	-	-	.280	.983
115.50	.327	.901	-	-
116.50	.346	.901	.360	.983
117.50	.365	.901	.420	.983
118.50	.365	.887	.420	.966
119.50	.404	.887	.420	.914
120.50	.404	.845	.440	.914
121.50	.423	.817	.460	.914
122.50	.481	.803	-	-
123.00	-	-	.480	.914

Grade 6
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
123.50	.500	.789	-	-
124.50	.500	.775	-	-
125.00	-	-	.520	.897
125.50	.519	.761	-	-
126.50	.538	.746	-	-
127.50	.538	.732	.520	.879
128.50	.577	.718	-	-
129.50	.577	.704	-	-
130.50	-	-	.520	.862
131.50	.577	.690	-	-
133.00	-	-	.520	.845
134.00	.577	.662	-	-
135.00	-	-	.520	.828
135.50	.577	.648	-	-
136.50	.596	.634	.520	.810
137.50	.635	.620	.560	.793
138.50	-	-	.580	.776
139.00	.692	.592	-	-
140.50	-	-	.620	.724
142.00	.712	.592	-	-
142.50	-	-	.620	.707
143.50	-	-	.640	.707
145.00	-	-	.660	.655
145.50	.731	.577	-	-
147.00	-	-	.660	.603
147.50	.769	.563	-	-
149.50	.769	.549	-	-
150.00	-	-	.680	.586
153.00	.788	.535	-	-
153.50	-	-	.700	.586
155.50	.788	.521	.700	.569
156.50	.808	.493	.720	.552
157.50	.846	.465	.780	.534
158.50	.865	.423	.840	.466
159.50	.923	.423	-	-

Grade 6
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
160.00	-	-	.880	.448
160.50	.923	.408	-	-
161.50	.923	.394	.880	.414
162.50	.923	.380	.880	.397
163.50	.923	.352	.880	.379
164.50	-	-	.920	.379
165.50	.942	.352	-	-
166.00	-	-	.940	.379
167.50	.942	.338	-	-
168.00	-	-	.940	.362
169.00	.942	.324	-	-
170.00	-	-	.940	.345
170.50	.942	.310	-	-
171.50	.962	.282	.940	.328
172.50	-	-	.940	.293
175.00	-	-	.940	.241
177.50	.962	.254	-	-
180.00	-	-	.940	.224
184.00	.981	.254	.940	.207
185.50	.981	.239	.960	.207
186.50	1.000	.225	.960	.172
187.50	1.000	.197	.960	.121
188.50	1.000	.169	-	-
193.50	1.000	.155	.960	.103
198.50	1.000	.141	-	-
199.50	1.000	.127	.960	.086
200.50	1.000	.113	.960	.069
201.50	1.000	.085	-	-
203.50	1.000	.070	.960	.034
206.00	1.000	.056	-	-
206.50	-	-	.980	.034
209.50	1.000	.042	-	-
210.00	-	-	.980	.017
215.50	1.000	.028	-	-
227.50	1.000	.014	-	-

Grade 6
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
230.00	-	-	1.000	.017
237.00	1.000	.000	-	-
248.00	-	-	1.000	.000

Grade 6
Fall MCRC Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	52
	Negative	72
	Missing	469
Group 2	Positive ^a	51
	Negative	58
	Missing	483

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

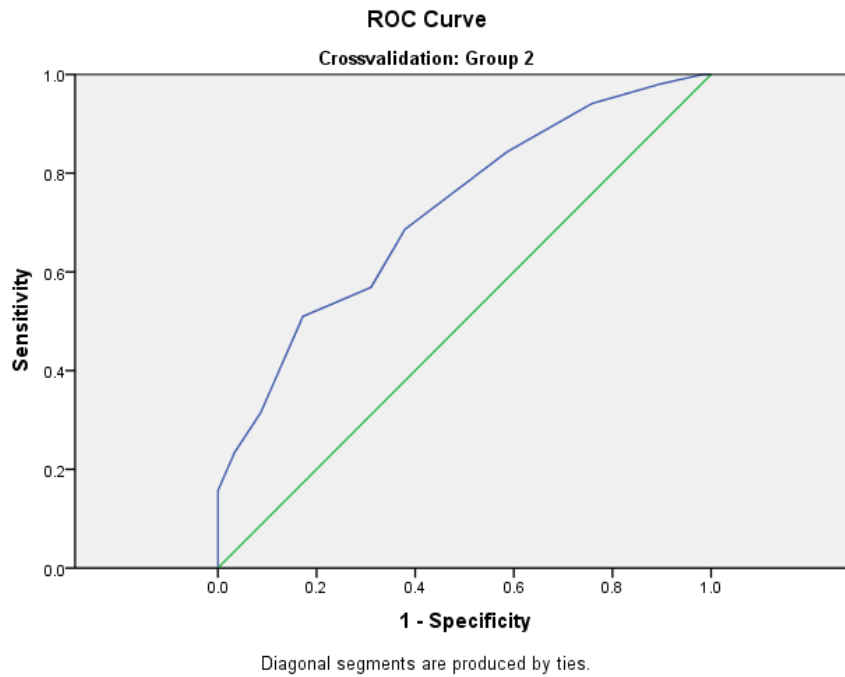
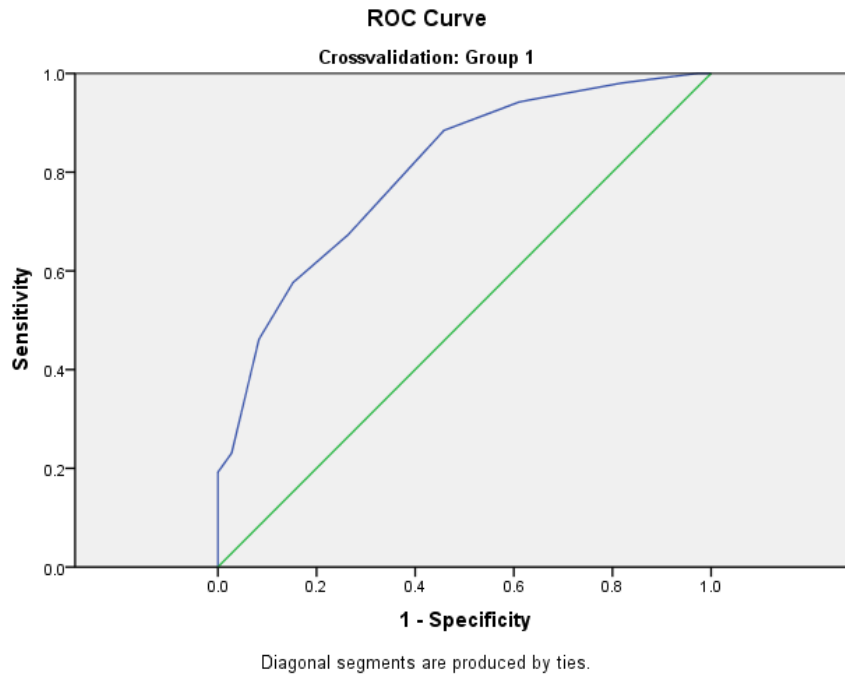
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.801	.039	.000	.724	.878
Group 2	.721	.048	.000	.626	.816

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.



**Grade 6
Fall MCRC Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
.00	-	-	.000	1.000
4.00	-	-	.020	1.000
5.00	.000	1.000	-	-
6.50	.019	1.000	-	-
7.50	.096	1.000	.039	1.000
8.50	.135	1.000	.098	1.000
9.50	.192	1.000	.157	1.000
10.50	.231	.972	.235	.966
11.50	.346	.944	.314	.914
12.50	.462	.917	.510	.828
13.50	.577	.847	.569	.690
14.50	.673	.736	.686	.621
15.50	.885	.542	.843	.414
16.50	.942	.389	.941	.241
17.50	.981	.181	.980	.103
18.50	1.000	.028	1.000	.017
20.00	1.000	.000	1.000	.000

**Grade 6
Fall VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	52
	Negative	72
	Missing	469
Group 2	Positive ^a	51
	Negative	57
	Missing	484

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

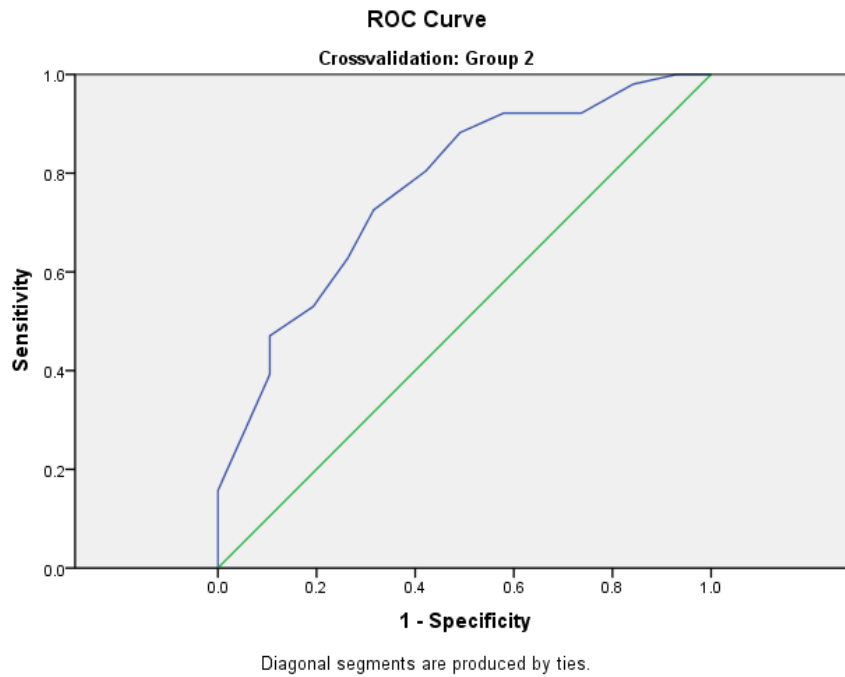
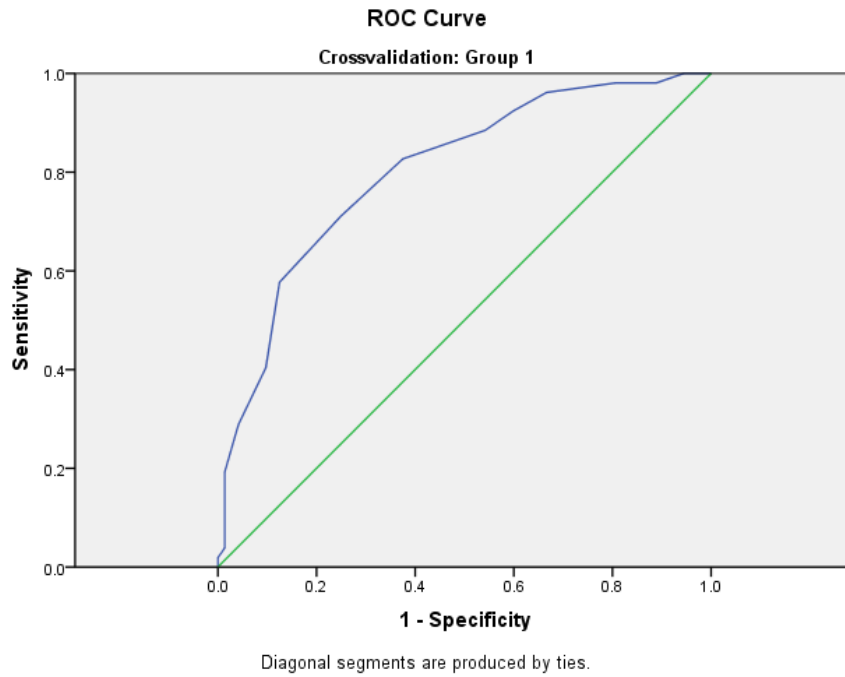
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.802	.040	.000	.724	.880
Group 2	.770	.045	.000	.682	.858

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 6
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
1.00	-	-	.000	1.000
3.50	-	-	.020	1.000
5.00	.000	1.000	-	-
5.50	-	-	.039	1.000
6.50	.019	1.000	.098	1.000
7.50	.038	.986	.137	1.000
8.50	.135	.986	.157	1.000
9.50	.192	.986	.314	.930
10.50	.288	.958	.392	.895
11.50	.404	.903	.471	.895
12.50	.577	.875	.529	.807
13.50	.712	.750	.627	.737
14.50	.750	.708	.725	.684
15.50	.827	.625	.804	.579
16.50	.885	.458	.882	.509
17.50	.923	.403	.922	.421
18.50	.962	.333	.922	.263
19.50	.981	.194	.961	.193
20.50	.981	.111	.980	.158
21.50	1.000	.056	1.000	.070
22.50	1.000	.014	1.000	.035
24.00	1.000	.000	1.000	.000

**Grade 6
Winter PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	54
	Negative	73
	Missing	466
Group 2	Positive ^a	54
	Negative	60
	Missing	478

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

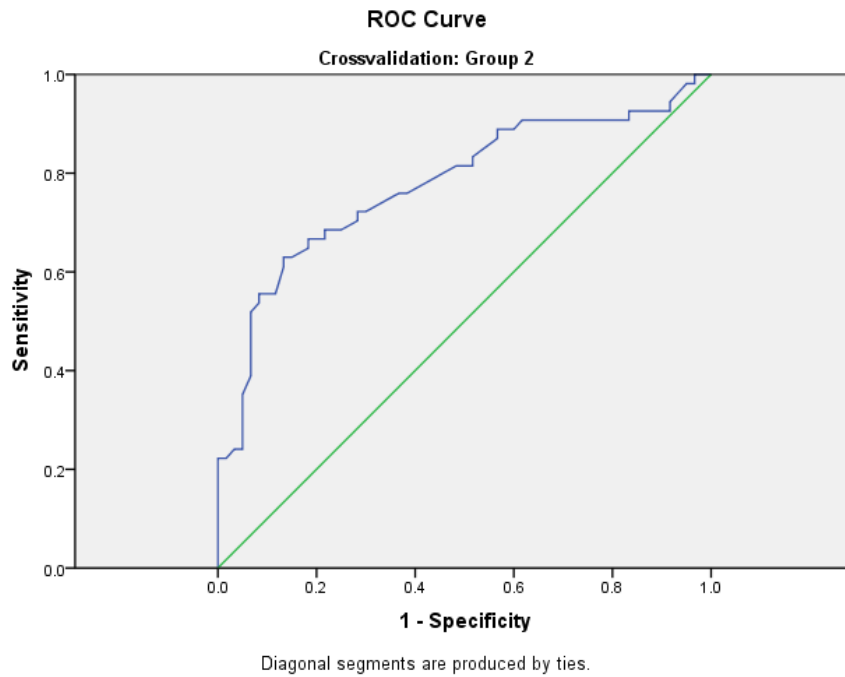
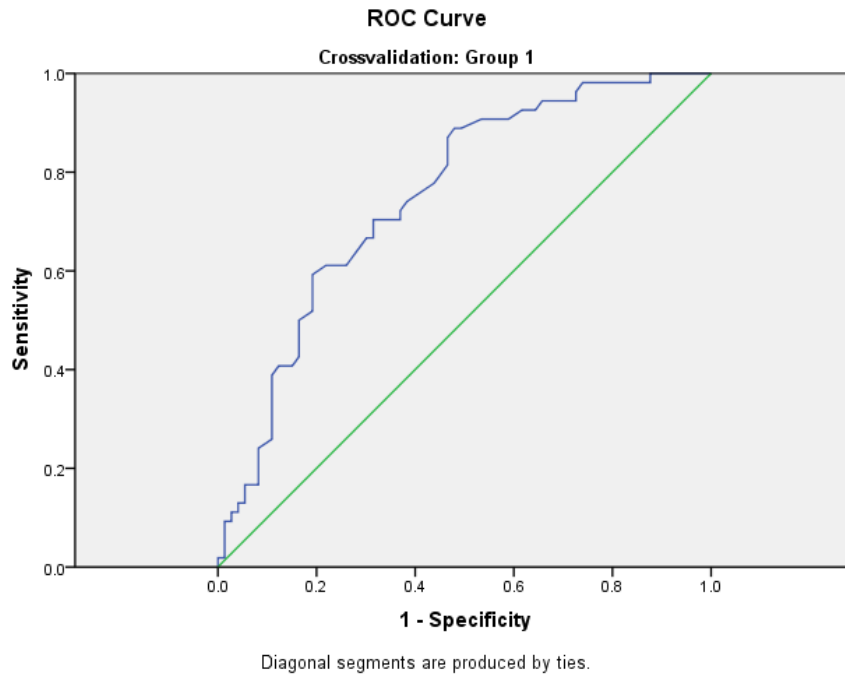
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.751	.043	.000	.667	.836
Group 2	.777	.045	.000	.689	.866

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



**Grade 6
Winter PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
64.00	-	-	.000	1.000
75.50	-	-	.019	1.000
86.00	.000	1.000	-	-
90.00	-	-	.037	1.000
91.50	.019	1.000	-	-
95.00	-	-	.056	1.000
96.50	-	-	.074	1.000
98.00	.019	.986	-	-
102.00	.056	.986	.093	1.000
105.00	.093	.986	-	-
106.50	.093	.973	-	-
108.00	.111	.973	-	-
108.50	-	-	.111	1.000
109.50	.111	.959	-	-
111.50	.130	.959	.130	1.000
113.50	.130	.945	-	-
114.00	-	-	.148	1.000
115.00	.167	.945	-	-
116.00	-	-	.185	1.000
117.50	.167	.932	-	-
118.00	-	-	.204	1.000
119.50	-	-	.222	1.000
121.00	.167	.918	.222	.983
122.50	-	-	.241	.967
124.00	.185	.918	-	-
124.50	-	-	.241	.950
127.00	.204	.918	-	-
128.50	-	-	.259	.950
130.50	.241	.918	-	-
131.50	-	-	.278	.950
133.00	-	-	.296	.950
134.00	.259	.890	-	-
135.00	-	-	.315	.950
137.00	-	-	.352	.950
138.00	.315	.890	-	-
138.50	-	-	.389	.933

Grade 6
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
139.50	-	-	.407	.933
140.50	-	-	.444	.933
141.00	.333	.890	-	-
143.00	.389	.890	-	-
143.50	-	-	.463	.933
145.00	.407	.877	-	-
146.50	-	-	.519	.933
147.00	.407	.849	-	-
148.50	.426	.836	.537	.917
149.50	.444	.836	-	-
151.00	.463	.836	-	-
152.50	.481	.836	-	-
153.00	-	-	.556	.917
153.50	.500	.836	-	-
155.00	.519	.808	-	-
156.50	.593	.808	.556	.883
157.50	.611	.781	.611	.867
158.50	.611	.740	-	-
159.00	-	-	.630	.867
159.50	.630	.726	-	-
160.50	-	-	.630	.850
161.50	-	-	.648	.817
162.50	-	-	.667	.817
163.50	.667	.699	-	-
164.00	-	-	.667	.800
165.50	-	-	.667	.783
166.50	-	-	.685	.783
167.50	-	-	.685	.767
168.00	.667	.685	-	-
169.00	-	-	.685	.750
169.50	.704	.685	-	-
170.50	.704	.671	-	-
171.00	-	-	.704	.717
172.50	.704	.630	.722	.717
174.00	-	-	.722	.700

Grade 6
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
174.50	.722	.630	-	-
175.50	.741	.616	-	-
176.00	-	-	.759	.633
176.50	.778	.562	-	-
177.50	.815	.534	.759	.617
178.50	.852	.534	.796	.550
179.50	.870	.534	-	-
180.00	-	-	.815	.517
180.50	.889	.521	-	-
181.50	-	-	.815	.483
182.50	-	-	.833	.483
183.50	.889	.507	.870	.433
184.50	-	-	.889	.433
185.50	-	-	.889	.417
186.50	.907	.466	.889	.400
187.50	.907	.452	-	-
188.00	-	-	.907	.383
188.50	.907	.425	-	-
189.50	.907	.411	.907	.367
190.50	-	-	.907	.333
191.50	.926	.384	.907	.317
192.50	-	-	.907	.283
193.50	-	-	.907	.267
194.50	-	-	.907	.250
193.50	.926	.356	-	-
194.50	.944	.342	-	-
196.00	-	-	.907	.233
196.50	.944	.329	-	-
197.50	-	-	.907	.217
199.00	.944	.301	-	-
199.50	-	-	.907	.183
201.00	.944	.288	-	-
202.50	.944	.274	-	-
204.00	-	-	.907	.167
204.50	.963	.274	-	-

Grade 6
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
207.00	.981	.260	-	-
208.00	-	-	.926	.167
209.50	.981	.247	.926	.150
210.50	-	-	.926	.133
211.50	.981	.233	-	-
212.00	-	-	.926	.100
213.00	.981	.219	-	-
214.00	-	-	.926	.083
215.00	.981	.205	-	-
216.50	.981	.192	-	-
217.00	-	-	.944	.083
218.00	.981	.178	-	-
219.50	.981	.151	-	-
220.50	.981	.123	-	-
221.00	-	-	.963	.067
223.00	1.000	.123	-	-
225.00	-	-	.981	.050
225.50	1.000	.110	-	-
227.00	1.000	.096	-	-
228.00	-	-	.981	.033
231.00	-	-	1.000	.033
231.50	1.000	.082	-	-
235.50	1.000	.068	-	-
239.00	1.000	.055	-	-
240.00	-	-	1.000	.017
248.00	-	-	1.000	.000
249.50	1.000	.041	-	-
258.00	1.000	.027	-	-
260.00	1.000	.000	-	-

**Grade 6
Winter MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	58
	Negative	80
	Missing	455
Group 2	Positive ^a	59
	Negative	63
	Missing	470

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

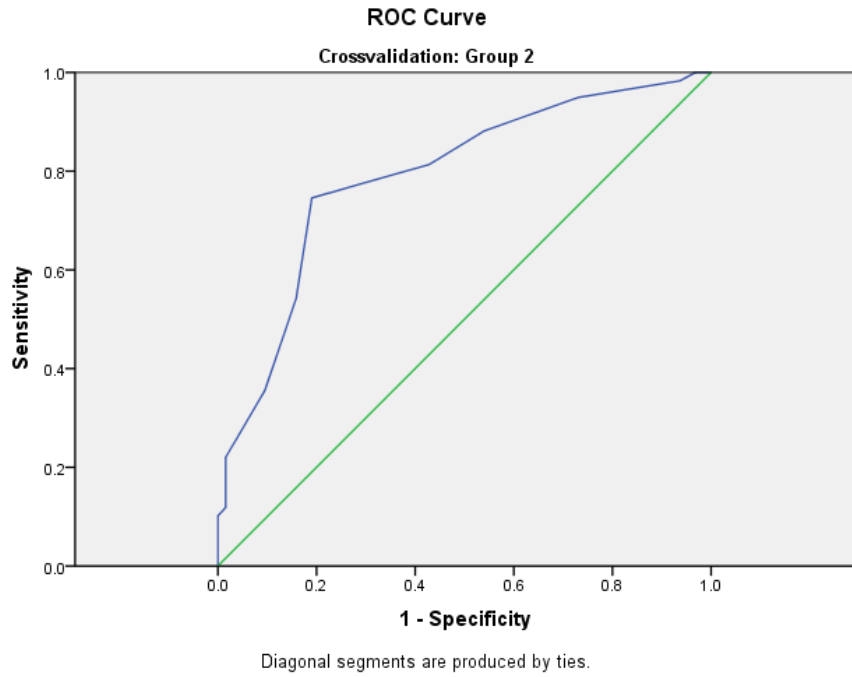
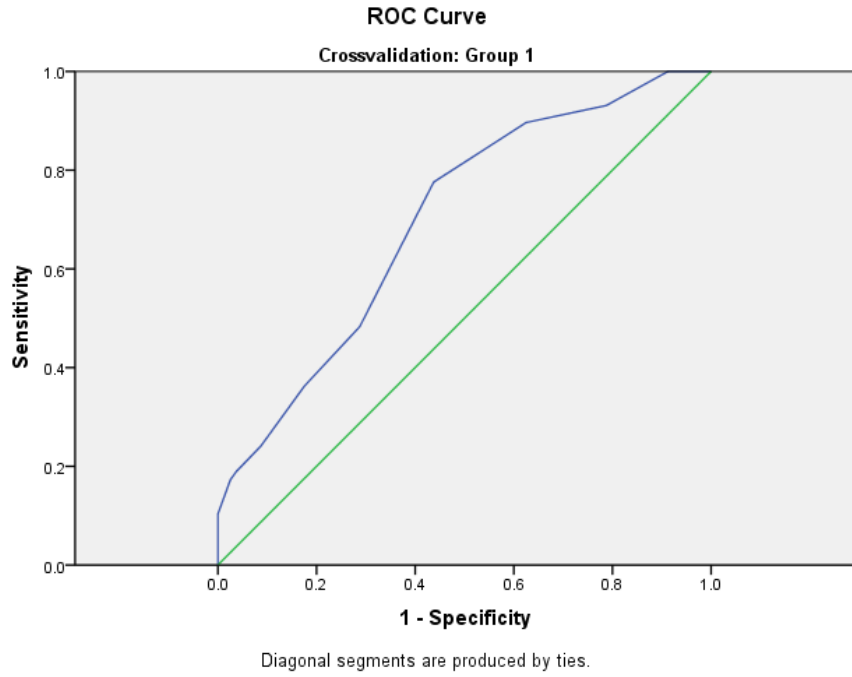
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.698	.044	.000	.611	.785
Group 2	.790	.041	.000	.709	.872

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 6
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
2.50	-	-	.017	1.000
3.00	.017	1.000	-	-
5.50	-	-	.051	1.000
6.50	.069	1.000	.085	1.000
7.50	.086	1.000	.102	1.000
8.50	.103	1.000	.119	.984
9.50	.172	.975	.153	.984
10.50	.190	.963	.220	.984
11.50	.241	.913	.356	.905
12.50	.362	.825	.542	.841
13.50	.483	.713	.746	.810
14.50	.776	.563	.814	.571
15.50	.897	.375	.881	.460
16.50	.931	.213	.949	.270
17.50	1.000	.088	.983	.063
18.50	1.000	.038	1.000	.032
20.00	1.000	.000	1.000	.000

**Grade 6
Spring PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	15
	Negative	13
	Missing	565
Group 2	Positive ^a	20
	Negative	13
	Missing	559

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

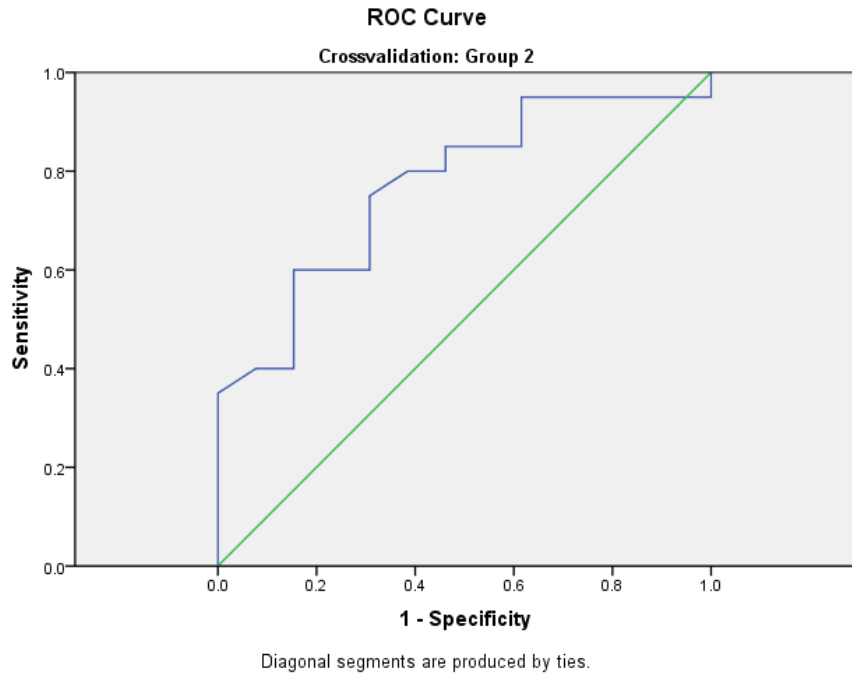
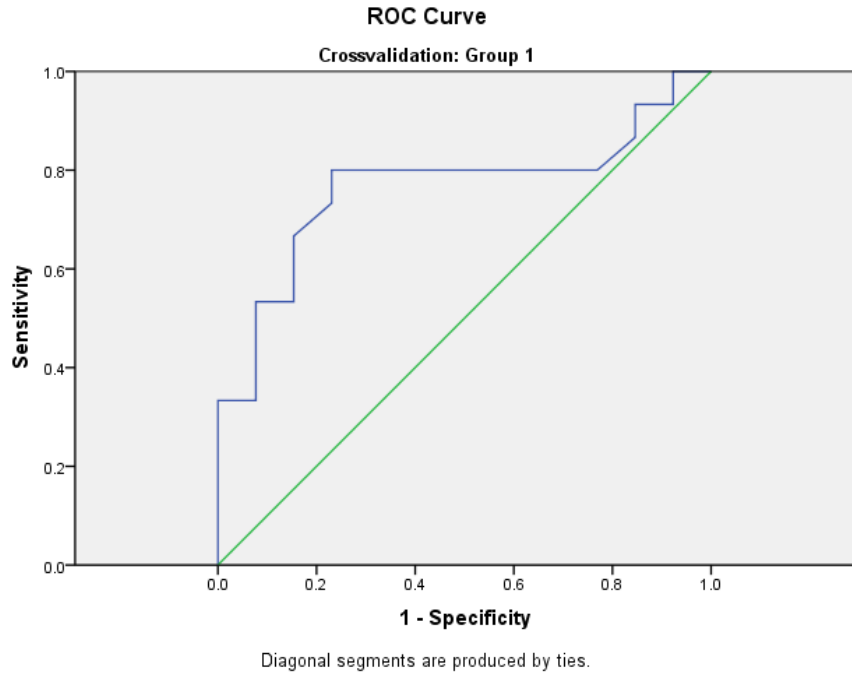
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.764	.096	.018	.577	.951
Group 2	.769	.083	.010	.607	.932

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



**Grade 6
Spring PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
79.00	.000	1.000	-	-
84.50	.067	1.000	-	-
93.50	.133	1.000	-	-
94.00	-	-	.000	1.000
100.50	.200	1.000	-	-
101.00	-	-	.050	1.000
104.00	.267	1.000	-	-
106.00	.333	1.000	-	-
108.00	-	-	.100	1.000
110.00	.333	.923	-	-
111.50	-	-	.150	1.000
116.50	-	-	.200	1.000
119.50	-	-	.250	1.000
122.00	.467	.923	-	-
125.00	-	-	.300	1.000
138.00	.533	.923	-	-
141.00	-	-	.350	1.000
148.00	.533	.846	-	-
153.00	-	-	.400	.923
155.00	-	-	.400	.846
155.50	.600	.846	-	-
158.50	-	-	.450	.846
161.00	.667	.846	-	-
161.50	-	-	.500	.846
163.50	.733	.769	.550	.846
166.00	-	-	.600	.846
167.50	.800	.769	-	-
169.00	-	-	.600	.769
172.50	.800	.615	.600	.692
177.00	.800	.538	-	-
180.00	.800	.462	-	-
180.50	-	-	.650	.692
181.50	.800	.385	-	-
186.00	.800	.308	-	-
187.50	-	-	.700	.692

Grade 6
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
191.00			.750	.692
192.00	.800	.231	-	-
195.50	.867	.154	-	-
196.50	-	-	.800	.615
200.00	-	-	.800	.538
202.50	-	-	.850	.538
205.50	-	-	.850	.462
214.00	-	-	.850	.385
222.50	.933	.154	-	-
226.00	-	-	.900	.385
232.50	-	-	.950	.385
241.00	-	-	.950	.231
251.50	.933	.077	-	-
257.00	-	-	.950	.154
269.00	-	-	.950	.077
276.00	-	-	.950	.000
277.00	1.000	.077	-	-
281.00	-	-	1.000	.000
300.00	1.000	.000	-	-

**Grade 6
Spring MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	168
	Negative	289
	Missing	136
Group 2	Positive ^a	182
	Negative	258
	Missing	152

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

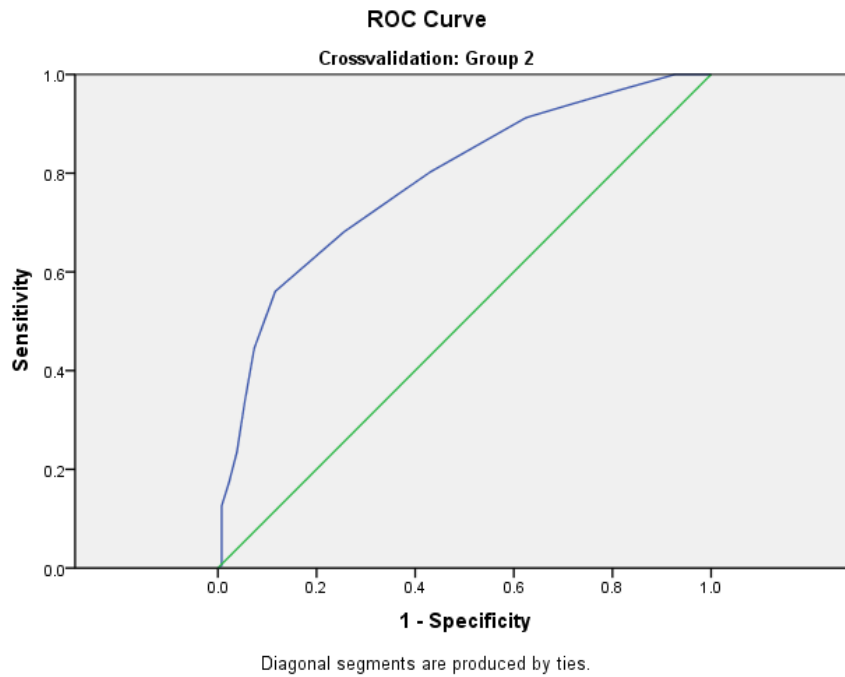
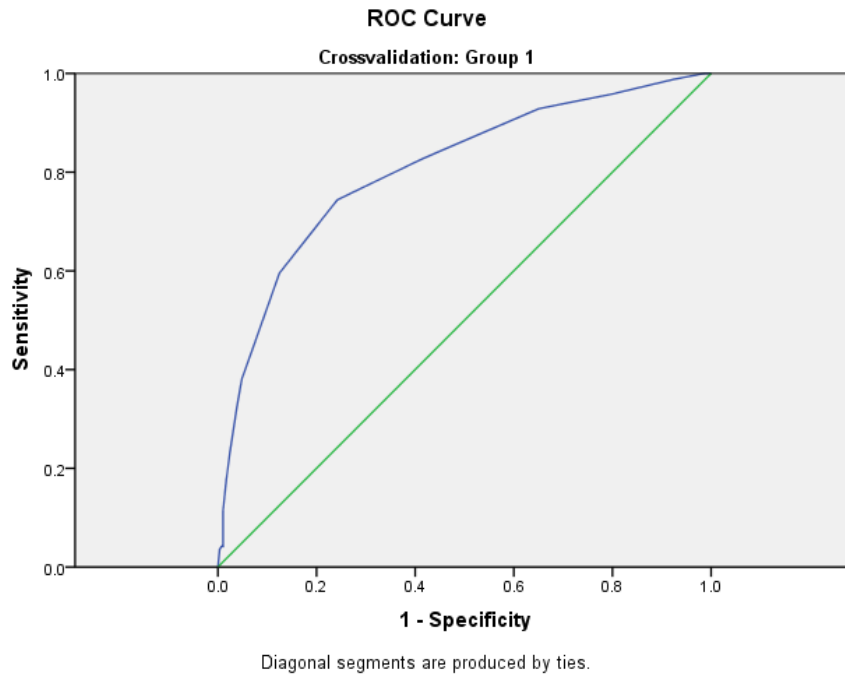
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.806	.022	.000	.763	.849
Group 2	.784	.022	.000	.740	.828

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.



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	-	-	.005	.992
2.00	.036	.997	-	-
3.50	-	-	.016	.992
4.50	.042	.993	.027	.992
5.50	.042	.990	.055	.992
6.50	.065	.990	.060	.992
7.50	.113	.990	.104	.992
8.50	.179	.983	.126	.992
9.50	.232	.976	.176	.977
10.50	.321	.962	.236	.961
11.50	.381	.952	.335	.946
12.50	.458	.924	.445	.926
13.50	.595	.875	.560	.884
14.50	.744	.758	.681	.744
15.50	.827	.585	.802	.570
16.50	.929	.349	.912	.376
17.50	.958	.201	.962	.209
18.50	.988	.076	1.000	.074
19.50	1.000	.014	1.000	.016
21.00	1.000	.000	1.000	.000

Grade 6
Spring VOC Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	146
	Negative	267
	Missing	180
Group 2	Positive ^a	172
	Negative	219
	Missing	201

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

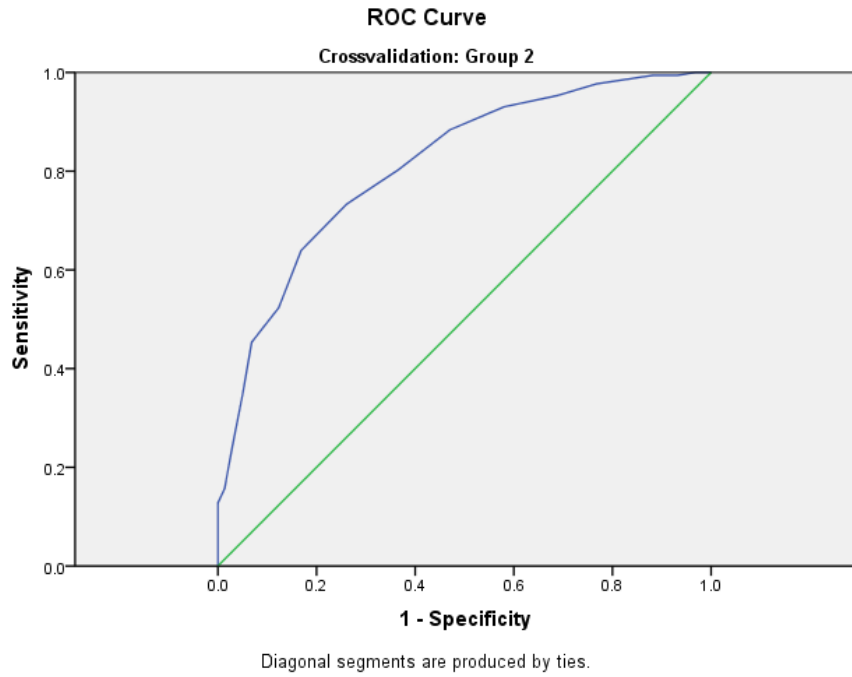
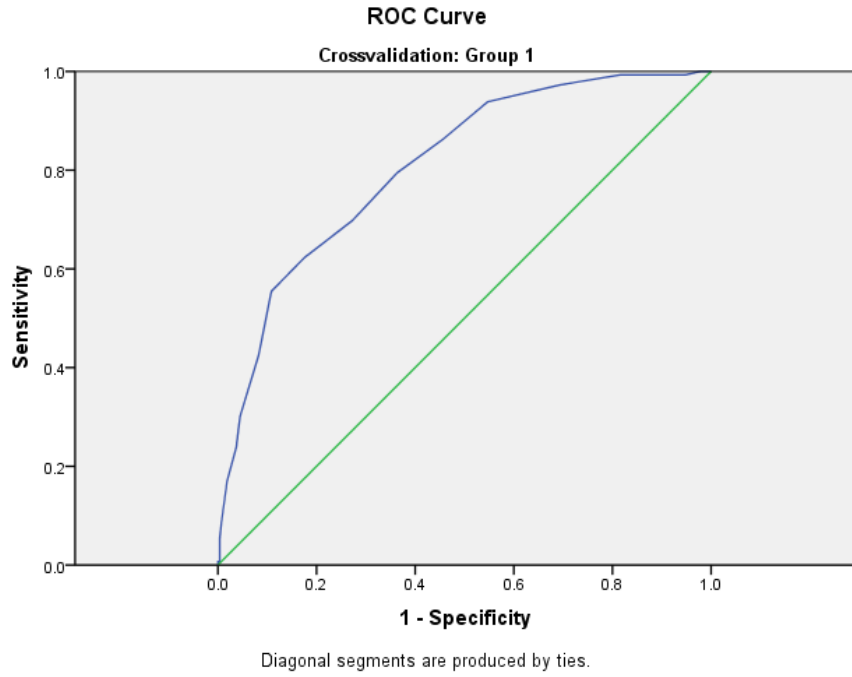
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.807	.022	.000	.765	.850
Group 2	.812	.022	.000	.770	.854

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 6
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	-	-	.000	1.000
.00	.000	1.000	-	-
1.50	.007	1.000	-	-
2.00	-	-	.006	1.000
3.50	.007	.996	-	-
4.50	-	-	.023	1.000
5.50	.014	.996	-	-
6.00	-	-	.035	1.000
6.50	.027	.996	-	-
7.50	.055	.996	.070	1.000
8.50	.089	.993	.128	1.000
9.50	.171	.981	.157	.986
10.50	.240	.963	.233	.973
11.50	.301	.955	.349	.950
12.50	.425	.918	.453	.932
13.50	.555	.891	.523	.877
14.50	.623	.824	.640	.831
15.50	.699	.727	.733	.740
16.50	.795	.637	.802	.635
17.50	.863	.543	.884	.530
18.50	.938	.453	.930	.420
19.50	.973	.307	.953	.311
20.50	.993	.184	.977	.233
21.50	.993	.101	.994	.119
22.50	.993	.052	.994	.068
23.50	1.000	.022	1.000	.032
24.50	1.000	.011	1.000	.009
26.00	1.000	.000	1.000	.000

Grade 7
Fall PRF Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	38
	Negative	60
	Missing	506
Group 2	Positive ^a	33
	Negative	67
	Missing	503

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

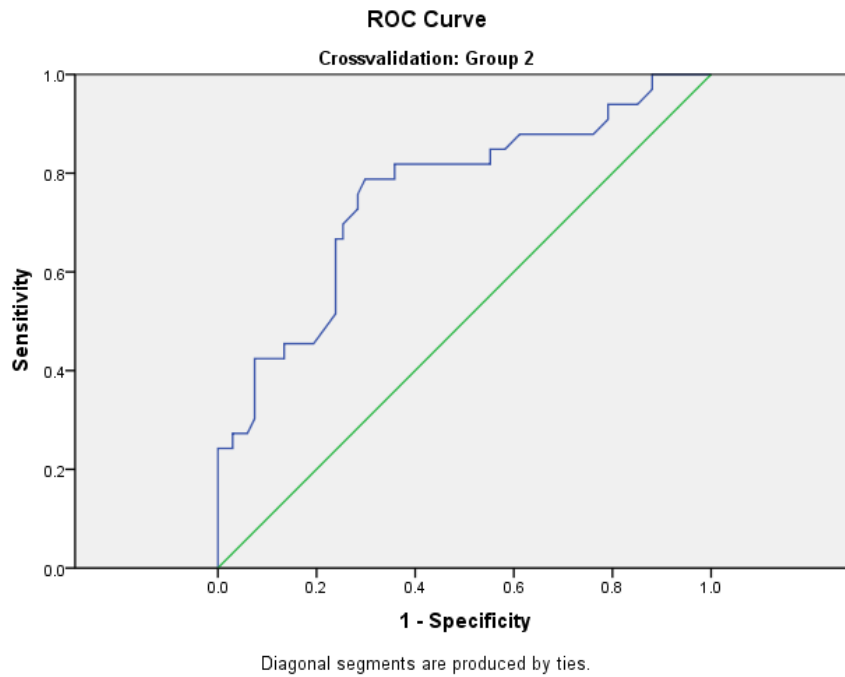
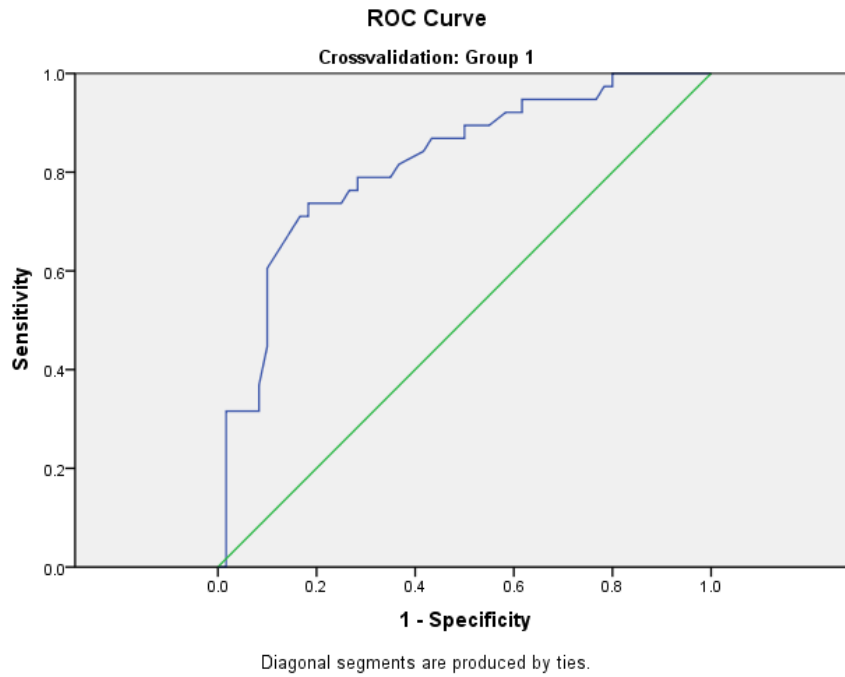
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.818	.044	.000	.730	.905
Group 2	.755	.053	.000	.651	.860

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 7
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
71.00	-	-	.000	1.000
72.50	-	-	.030	1.000
75.50	-	-	.061	1.000
85.50	-	-	.091	1.000
90.00	.000	1.000	-	-
91.50	.000	.983	-	-
93.50	.026	.983	-	-
95.50	-	-	.121	1.000
99.50	.053	.983	.152	1.000
101.50	-	-	.182	1.000
102.50	-	-	.212	1.000
104.50	.079	.983	-	-
105.50	.105	.983	-	-
106.00	-	-	.242	1.000
109.00	.132	.983	-	-
111.50	-	-	.242	.985
113.50	.158	.983	-	-
114.50	-	-	.242	.970
115.50	.184	.983	-	-
116.00	-	-	.273	.970
116.50	.237	.983	-	-
117.50	-	-	.273	.955
119.00	.263	.983	-	-
119.50	-	-	.273	.940
121.50	.316	.983	.303	.925
122.50	.316	.967	.394	.925
123.50	.316	.950	-	-
124.00	-	-	.424	.925
124.50	.316	.933	-	-
125.50	.316	.917	.424	.866
126.50	.368	.917	.455	.866
128.00	.447	.900	.455	.836
129.50	.474	.900	-	-
130.00	-	-	.455	.806
130.50	.526	.900	-	-

Grade 7
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
131.50	.605	.900	.515	.761
132.50	.711	.833	.545	.761
133.50	.711	.817	.667	.761
134.50	.737	.817	.667	.746
135.50	.737	.800	.697	.746
136.50	-	-	.727	.716
137.00	.737	.783	-	-
137.50	-	-	.758	.716
138.50	-	-	.788	.701
139.50	.737	.767	.788	.687
141.50	-	-	.788	.672
143.00	.737	.750	-	-
143.50	-	-	.788	.657
144.50	-	-	.788	.642
145.50	-	-	.818	.642
146.00	.763	.733	-	-
146.50	-	-	.818	.612
147.50	.763	.717	.818	.582
148.50	.789	.717	.818	.567
149.50	.789	.700	.818	.522
150.50	.789	.650	-	-
151.50	.816	.633	.818	.493
152.50	.842	.583	-	-
153.50	-	-	.818	.478
154.00	.868	.567	-	-
154.50	-	-	.818	.448
155.50	.868	.533	.848	.448
156.50	-	-	.848	.418
157.00	.868	.517	-	-
158.00	-	-	.879	.388
158.50	.868	.500	-	-
159.50	.895	.500	-	-
160.50	-	-	.879	.358
161.00	.895	.483	-	-
163.50	.895	.467	-	-

Grade 7
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
164.00	-	-	.879	.343
165.50	.895	.450	-	-
166.50	-	-	.879	.328
167.00	.921	.417	-	-
167.50	-	-	.879	.313
168.50	-	-	.879	.299
169.00	.921	.400	-	-
169.50	-	-	.879	.284
170.50	.921	.383	.879	.269
171.50	.947	.383	.879	.239
172.50	.947	.367	.909	.209
173.50	.947	.317	.939	.209
174.50	.947	.283	.939	.179
175.50	.947	.267	.939	.164
177.50	.947	.250	-	-
178.50	-	-	.939	.149
179.50	.947	.233	-	-
181.00	.974	.217	-	-
181.50	-	-	.970	.119
182.50	-	-	1.000	.119
183.00	.974	.200	-	-
185.00	-	-	1.000	.104
188.00	1.000	.200	-	-
189.00	-	-	1.000	.075
191.50	-	-	1.000	.060
192.50	1.000	.183	-	-
193.00	-	-	1.000	.045
195.00	1.000	.167	-	-
198.00	1.000	.133	-	-
199.50	1.000	.117	-	-
201.00	1.000	.083	1.000	.030
202.50	1.000	.067	-	-
204.00	1.000	.050	-	-
223.00	1.000	.033	-	-
224.00	-	-	1.000	.015
241.00	-	-	1.000	.000
249.00	1.000	.017	-	-
258.00	1.000	.000	-	-

**Grade 7
Fall MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	37
	Negative	64
	Missing	503
Group 2	Positive ^a	39
	Negative	71
	Missing	493

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

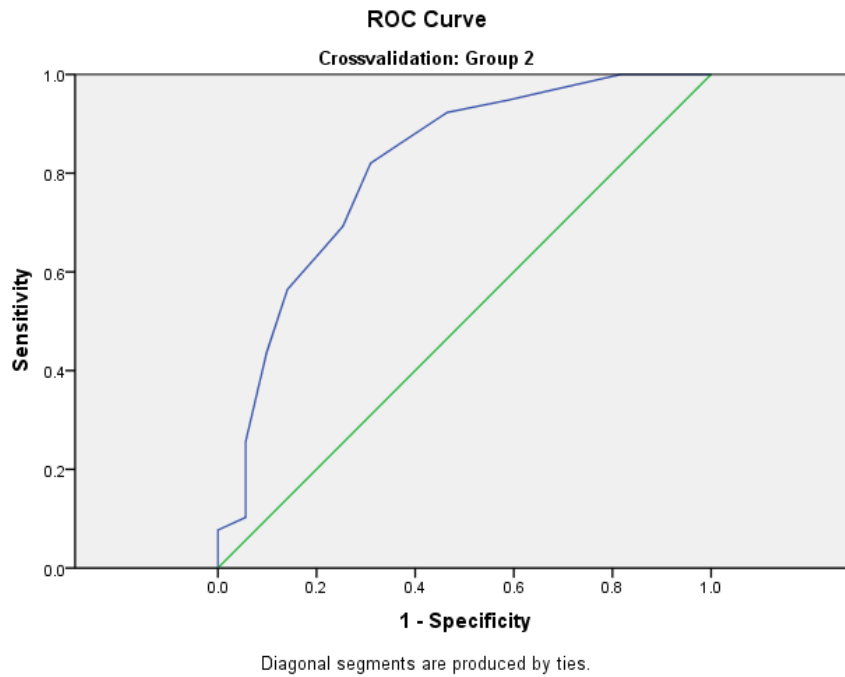
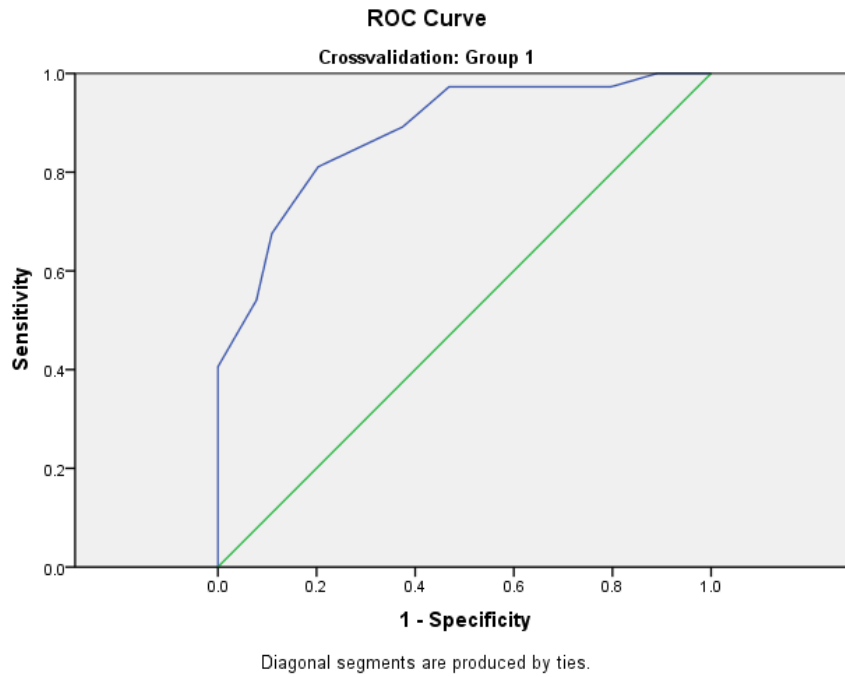
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.880	.035	.000	.812	.949
Group 2	.811	.041	.000	.730	.891

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



Grade 7
Fall MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	-	-
2.50	.027	1.000	-	-
5.00	-	-	.000	1.000
5.50	.054	1.000	-	-
6.50	.108	1.000	.026	1.000
7.50	.135	1.000	.077	1.000
8.50	.216	1.000	.103	.944
9.50	.297	1.000	.256	.944
10.50	.405	1.000	.436	.901
11.50	.541	.922	.564	.859
12.50	.676	.891	.692	.746
13.50	.811	.797	.821	.690
14.50	.892	.625	.923	.535
15.50	.973	.531	.949	.408
16.50	.973	.359	1.000	.183
17.50	.973	.203	1.000	.085
18.50	1.000	.109	-	-
19.00	-	-	1.000	.000
19.50	1.000	.031	-	-
21.00	1.000	.000	-	-

Grade 7
Fall VOC Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	38
	Negative	64
	Missing	502
Group 2	Positive ^a	38
	Negative	70
	Missing	495

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

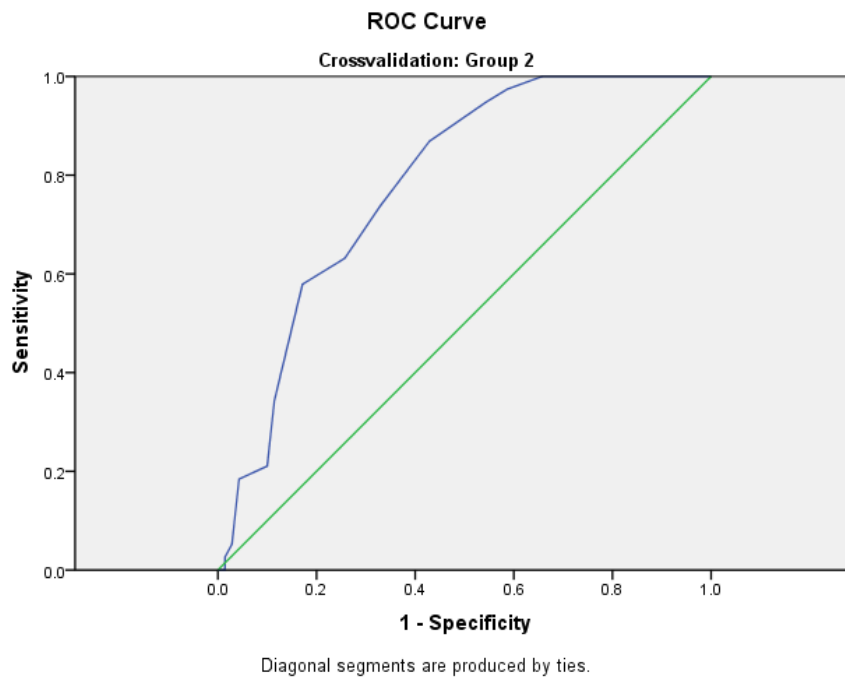
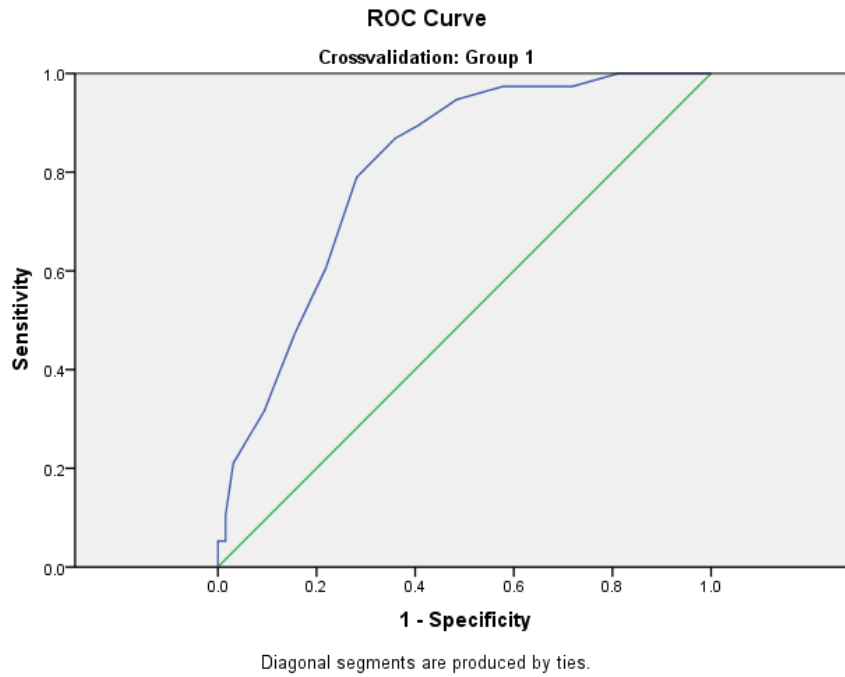
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.807	.042	.000	.724	.890
Group 2	.783	.043	.000	.698	.868

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.



Grade 7
Fall VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
2.00	-	-	.000	1.000
3.00	.000	1.000	-	-
4.00	-	-	.000	.986
4.50	.026	1.000	-	-
5.50	.053	1.000	.026	.986
6.50	.053	.984	.053	.971
7.50	.105	.984	.184	.957
8.50	.211	.969	.211	.900
9.50	.316	.906	.342	.886
10.50	.474	.844	.579	.829
11.50	.605	.781	.632	.743
12.50	.789	.719	.737	.671
13.50	.868	.641	.868	.571
14.50	.895	.594	.947	.457
15.50	.947	.516	.974	.414
16.50	.974	.422	1.000	.343
17.50	.974	.281	1.000	.229
18.50	1.000	.188	1.000	.171
19.50	1.000	.141	1.000	.129
20.50	1.000	.125	1.000	.100
21.50	1.000	.109	1.000	.029
22.50	1.000	.078	-	-
23.00	-	-	1.000	.014
23.50	1.000	.047	-	-
25.00	1.000	.000	1.000	.000

**Grade 7
Winter PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	90
	Negative	124
	Missing	390
Group 2	Positive ^a	85
	Negative	129
	Missing	389

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

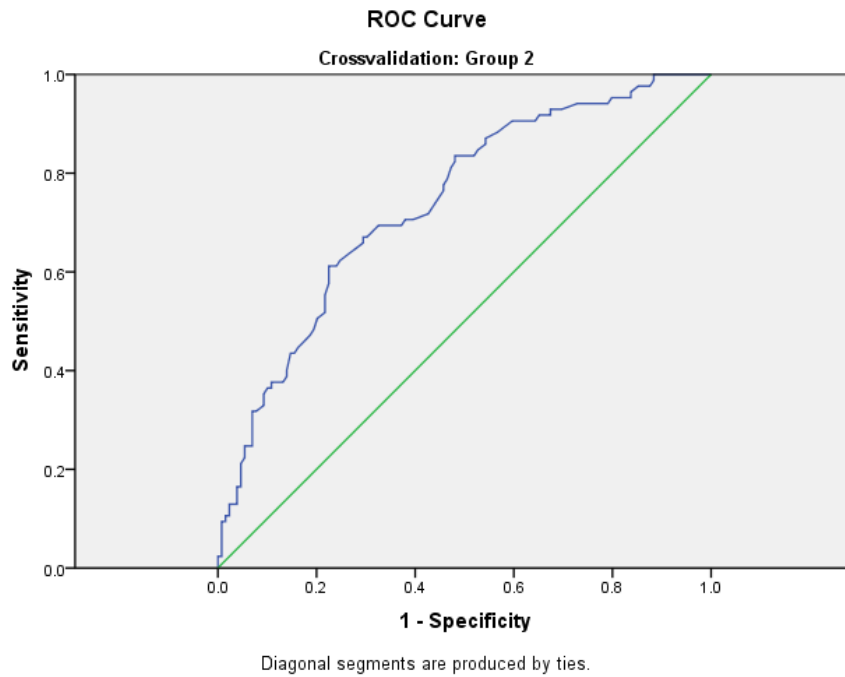
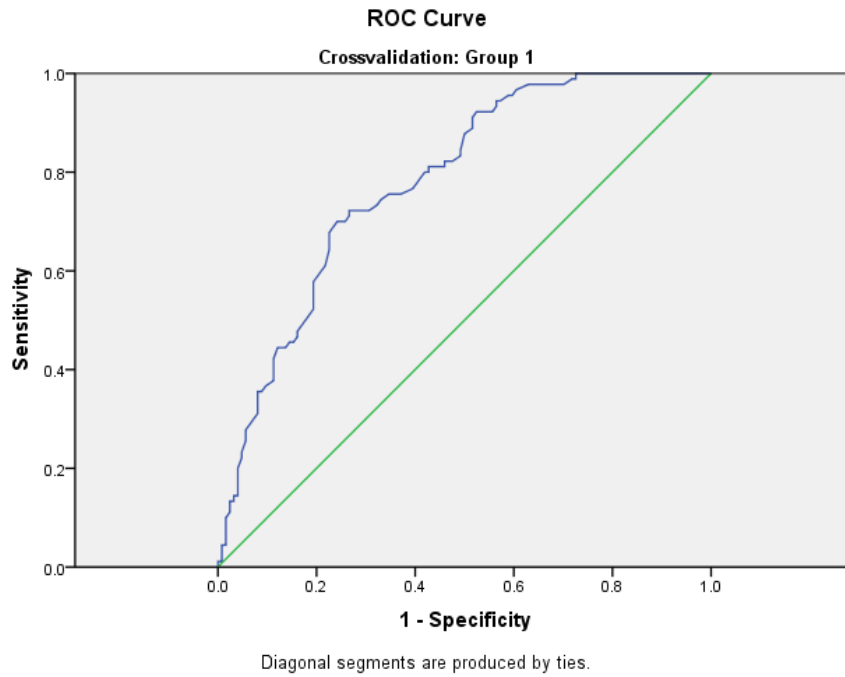
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.782	.031	.000	.722	.842
Group 2	.739	.034	.000	.672	.806

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.



Grade 7
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
71.00	.000	1.000	-	-
72.50	.011	1.000	-	-
78.00	-	-	.000	1.000
78.50	.011	.992	-	-
84.50	-	-	.012	1.000
88.00	.022	.992	-	-
91.50	-	-	.024	1.000
93.50	-	-	.024	.992
95.00	.033	.992	-	-
96.00	-	-	.035	.992
99.00	.044	.992	.059	.992
100.50	-	-	.071	.992
101.50	.044	.984	.094	.992
102.50	-	-	.094	.984
103.50	.056	.984	.106	.984
104.50	.067	.984	.106	.977
105.50	.078	.984	.118	.977
106.50	.100	.984	-	-
107.50	-	-	.129	.977
108.00	.111	.976	-	-
109.50	.122	.976	.129	.969
110.50	-	-	.129	.961
111.50	-	-	.165	.961
112.00	.133	.976	-	-
112.50	-	-	.165	.953
113.50	-	-	.176	.953
115.00	.133	.968	-	-
116.00	-	-	.188	.953
117.50	.144	.968	-	-
118.50	-	-	.212	.953
119.50	.144	.960	.224	.946
121.00	.156	.960	.235	.946
122.50	.167	.960	.247	.946
123.50	-	-	.247	.930
124.00	.178	.960	-	-

Grade 7
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
125.00	-	-	.259	.930
125.50	.189	.960	-	-
126.50	.200	.960	.282	.930
127.50	-	-	.294	.930
128.00	.222	.952	-	-
128.50	-	-	.318	.930
129.50	.233	.952	.318	.922
130.50	.256	.944	.329	.907
131.50	.278	.944	.353	.907
132.50	.311	.919	.365	.899
133.50	.322	.919	.365	.891
134.50	-	-	.376	.891
135.00	.333	.919	-	-
136.50	.344	.919	.376	.884
137.50	.356	.919	-	-
138.50	-	-	.376	.876
139.50	.356	.911	.376	.868
140.50	-	-	.388	.860
141.50	.367	.903	.400	.860
142.50	.378	.887	.435	.853
143.50	-	-	.435	.845
144.00	.422	.887	-	-
144.50	-	-	.447	.837
145.50	.444	.879	.471	.814
146.50	.444	.863	.482	.806
147.50	.456	.855	.506	.798
148.50	.456	.847	.518	.783
149.50	-	-	.529	.783
150.00	.467	.839	-	-
150.50	-	-	.553	.783
151.50	.478	.839	.576	.775
152.50	-	-	.612	.775
153.00	.500	.823	-	-
153.50	-	-	.612	.760
155.00	.511	.815	.624	.752

Grade 7
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
156.50	.522	.806	.647	.721
157.50	.578	.806	.659	.705
158.50	.611	.782	.671	.705
159.50	.644	.774	.671	.698
161.00	.678	.774	.694	.674
162.50	.700	.758	.694	.667
163.50	.700	.742	-	-
164.00	-	-	.694	.659
165.00	.711	.734	-	-
165.50	-	-	.694	.636
166.50	.722	.734	-	-
167.00	-	-	.694	.628
167.50	.722	.710	-	-
168.50	.722	.694	.706	.620
169.50	.733	.677	.706	.605
170.50	-	-	.718	.574
171.00	.744	.669	-	-
171.50	-	-	.729	.566
172.50	.756	.653	.741	.558
173.50	.756	.629	.753	.550
174.50	.767	.605	.765	.543
175.50	.800	.581	.776	.543
176.50	-	-	.788	.535
177.00	.800	.573	-	-
177.50	-	-	.812	.527
178.50	.811	.573	.824	.519
179.50	.811	.548	.835	.519
180.50	.811	.540	.835	.496
181.50	.822	.540	.835	.481
182.50	.822	.532	.847	.473
183.50	.822	.524	.859	.457
185.00	.833	.508	.871	.457
186.50	.844	.508	.882	.434
187.50	.878	.500	.894	.419
188.50	.889	.484	.906	.403

Grade 7
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
189.50	.911	.484	.906	.395
191.00	.922	.476	.906	.372
192.50	.922	.468	.906	.357
193.50	.922	.460	.918	.349
194.50	.922	.444	.918	.341
195.50	-	-	.918	.333
196.00	.933	.435	-	-
196.50	-	-	.918	.326
198.00	-	-	.929	.326
198.50	.944	.435	-	-
199.50	-	-	.929	.318
200.50	.944	.427	.929	.310
201.50	.956	.411	.929	.302
202.50	.956	.403	.941	.271
203.50	.967	.395	.941	.264
204.50	.978	.371	.941	.248
205.50	.978	.347	.941	.225
206.50	.978	.339	-	-
207.00	-	-	.941	.217
207.50	.978	.331	-	-
208.50	-	-	.941	.209
209.00	.978	.323	-	-
209.50	-	-	.953	.202
210.50	.978	.298	.953	.194
211.50	.989	.282	.953	.186
212.50	-	-	.953	.163
213.00	.989	.274	-	-
213.50	-	-	.965	.163
214.50	1.000	.274	.976	.147
215.50	1.000	.266	-	-
216.00	-	-	.976	.140
216.50	1.000	.258	-	-
217.50	1.000	.250	.976	.132
219.00	1.000	.226	.976	.124
220.50	1.000	.194	.988	.116

Grade 7
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
221.50	1.000	.177	-	-
222.50	1.000	.169	1.000	.116
223.50	1.000	.153	-	-
225.00	1.000	.145	-	-
227.00	1.000	.137	-	-
228.00	-	-	1.000	.109
228.50	1.000	.121	-	-
230.50	1.000	.105	-	-
233.50	1.000	.097	1.000	.093
236.00	-	-	1.000	.085
236.50	1.000	.089	-	-
238.00	-	-	1.000	.078
238.50	1.000	.081	-	-
242.00	1.000	.073	-	-
242.50	-	-	1.000	.062
245.50	1.000	.065	-	-
249.50	-	-	1.000	.039
251.00	1.000	.056	-	-
254.00	-	-	1.000	.031
256.50	1.000	.048	-	-
257.00	-	-	1.000	.023
258.00	1.000	.040	-	-
260.00	-	-	1.000	.016
263.00	-	-	1.000	.008
266.00	-	-	1.000	.000
270.50	1.000	.016	-	-
293.00	1.000	.008	-	-
305.00	1.000	.000	-	-

**Grade 7
Winter MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	66
	Negative	113
	Missing	425
Group 2	Positive ^a	58
	Negative	102
	Missing	443

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

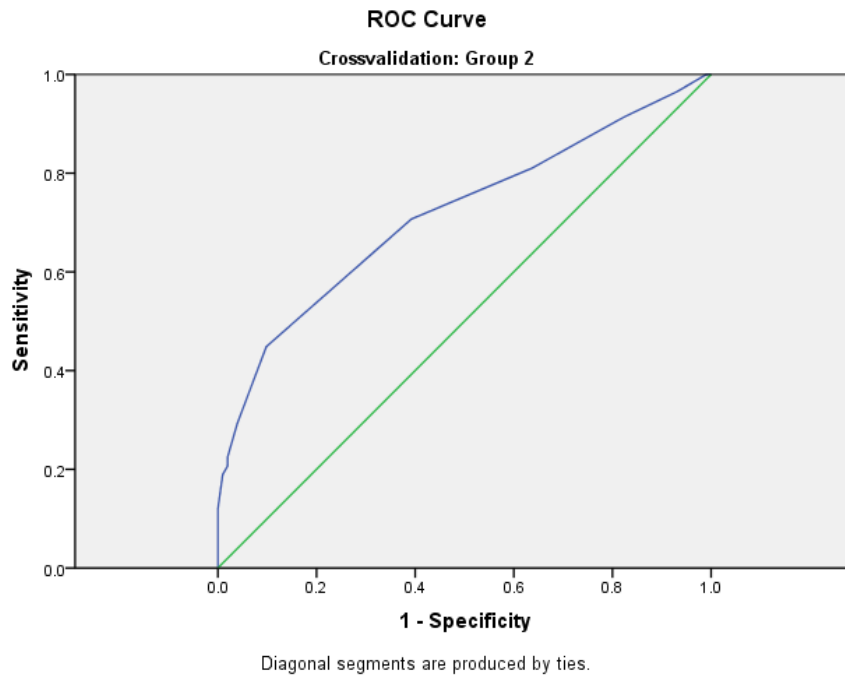
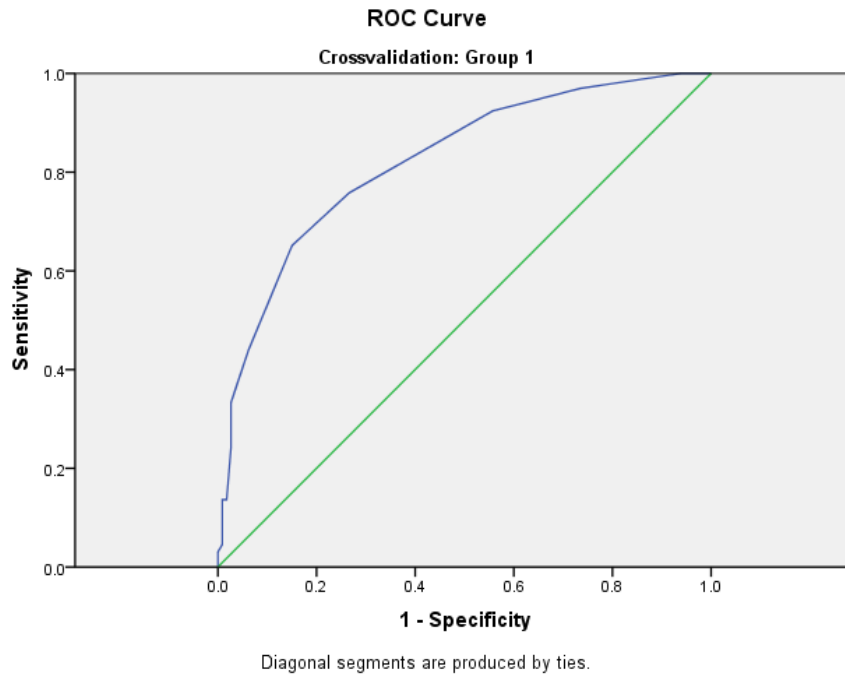
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.822	.032	.000	.758	.885
Group 2	.716	.045	.000	.628	.803

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.



Grade 7
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	-	-
2.00	-	-	.000	1.000
2.50	.015	1.000	-	-
4.50	-	-	.017	1.000
5.50	.030	1.000	-	-
6.50	.045	.991	-	-
7.00	-	-	.069	1.000
7.50	.076	.991	-	-
8.50	.091	.991	.121	1.000
9.50	.136	.991	.190	.990
10.50	.136	.982	.207	.980
11.50	.242	.973	.224	.980
12.50	.333	.973	.293	.961
13.50	.439	.938	.448	.902
14.50	.652	.850	.552	.784
15.50	.758	.735	.707	.608
16.50	.924	.442	.810	.363
17.50	.970	.265	.914	.176
18.50	1.000	.062	.966	.069
19.50	-	-	1.000	.010
20.00	1.000	.000	-	-
21.00	-	-	1.000	.000

**Grade 7
Spring PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	51
	Negative	74
	Missing	479
Group 2	Positive ^a	47
	Negative	87
	Missing	469

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

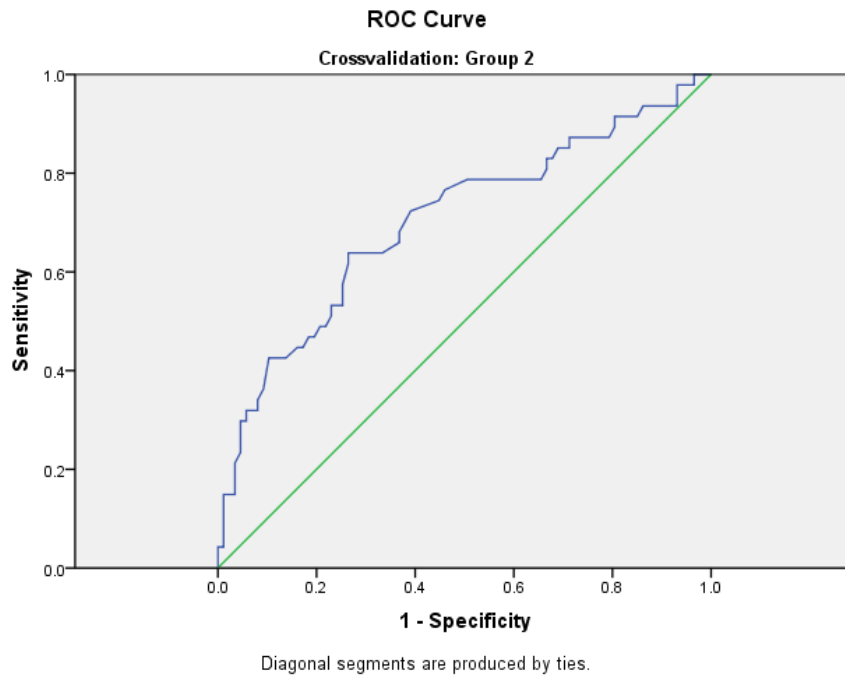
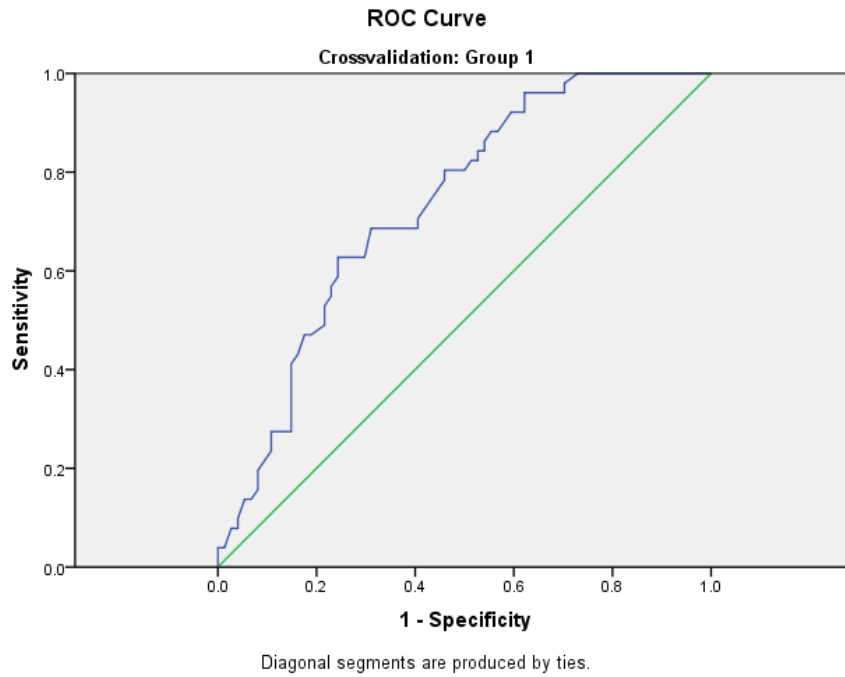
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.733	.044	.000	.647	.819
Group 2	.703	.050	.000	.606	.800

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.



Grade 7
Spring PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
71.00	-	-	.000	1.000
77.00	-	-	.021	1.000
85.00	-	-	.043	1.000
87.00	.000	1.000	-	-
90.50	-	-	.043	.989
92.00	.020	1.000	-	-
93.50	-	-	.064	.989
94.50	-	-	.085	.989
96.50	.039	1.000	-	-
97.00	-	-	.106	.989
98.00	.039	.986	-	-
100.00	.078	.973	.128	.989
101.50	.078	.959	.149	.989
102.50	.098	.959	-	-
103.00	-	-	.149	.977
103.50	.137	.946	-	-
104.50	-	-	.149	.966
105.00	.137	.932	-	-
105.50	-	-	.170	.966
106.50	.157	.919	.213	.966
107.50	.196	.919	-	-
109.00	.235	.892	.234	.954
110.50	.255	.892	-	-
113.00	.275	.892	.277	.954
115.50	.275	.878	.298	.954
116.50	.275	.851	.298	.943
117.50	.294	.851	.319	.943
118.50	.333	.851	.319	.920
119.50	-	-	.340	.920
120.50	.373	.851	.362	.908
121.50	-	-	.426	.897
122.50	.412	.851	-	-
123.00	-	-	.426	.885
123.50	.431	.838	-	-
124.50	.471	.824	-	-

Grade 7
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
125.00	-	-	.426	.862
126.50	-	-	.447	.839
127.00	.471	.811	-	-
128.50	-	-	.447	.828
130.00	.490	.784	-	-
131.00	-	-	.468	.816
131.50	.510	.784	-	-
132.50	-	-	.468	.805
133.00	.529	.784	-	-
133.50	-	-	.489	.793
134.50	.549	.770	.489	.782
135.50	.569	.770	.511	.770
136.50	.588	.757	.532	.770
137.50	.608	.757	.532	.747
138.50	.627	.757	-	-
139.00	-	-	.574	.747
139.50	.627	.743	-	-
140.50	-	-	.617	.736
141.00	.627	.703	-	-
141.50	-	-	.638	.736
142.50	-	-	.638	.724
143.00	.686	.689	-	-
143.50	-	-	.638	.701
144.50	.686	.662	-	-
145.00	-	-	.638	.678
147.00	.686	.635	.638	.667
148.50	-	-	.660	.632
149.50	.686	.608	.681	.632
150.50	.686	.595	.702	.621
151.50	.706	.595	.723	.609
152.50	-	-	.745	.552
153.50	.745	.568	.766	.540
155.00	-	-	.787	.494
155.50	.784	.541	-	-
156.50	.804	.541	.787	.483

Grade 7
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
157.50	.804	.527	.787	.471
159.00	-	-	.787	.460
159.50	.804	.500	-	-
160.50	-	-	.787	.425
161.50	-	-	.787	.414
162.00	.824	.486	-	-
162.50	-	-	.787	.402
163.50	.824	.473	.787	.391
164.50	.843	.473	.787	.379
165.50	.843	.459	.787	.345
166.50	.863	.459	-	-
167.00	-	-	.809	.333
168.00	.882	.446	-	-
168.50	-	-	.830	.333
169.50	.882	.432	-	-
170.50	.902	.419	.830	.322
172.50	-	-	.851	.310
173.50	-	-	.851	.287
174.50	.922	.405	.872	.287
177.00	-	-	.872	.253
178.50	.922	.392	-	-
180.00	-	-	.872	.230
180.50	.922	.378	-	-
182.50	.961	.378	.872	.218
184.00	.961	.365	-	-
185.50	-	-	.872	.207
186.00	.961	.351	-	-
187.50	.961	.338	-	-
188.00	-	-	.894	.195
188.50	.961	.324	-	-
189.50	.961	.297	.915	.195
190.50	.980	.297	.915	.172
192.50	1.000	.270	.915	.161
194.50	-	-	.915	.149
195.00	1.000	.257	-	-

Grade 7
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
195.50	-	-	.936	.138
197.00	1.000	.243	.936	.103
198.50	1.000	.230	.936	.092
199.50	1.000	.216	.936	.069
200.50	-	-	.957	.069
202.00	1.000	.203	.979	.069
204.50	1.000	.189	-	-
205.00	-	-	.979	.057
205.50	1.000	.176	-	-
206.50	1.000	.162	-	-
207.50	-	-	.979	.034
209.50	1.000	.122	-	-
211.00	-	-	1.000	.034
215.00	-	-	1.000	.023
216.00	1.000	.108	-	-
220.00	-	-	1.000	.011
221.00	1.000	.095	-	-
223.00	1.000	.081	-	-
224.50	1.000	.068	-	-
225.00	-	-	1.000	.000
227.00	1.000	.054	-	-
231.00	1.000	.041	-	-
234.00	1.000	.027	-	-
245.00	1.000	.014	-	-
256.00	1.000	.000	-	-

**Grade 7
Spring MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	197
	Negative	340
	Missing	67
Group 2	Positive ^a	176
	Negative	350
	Missing	77

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

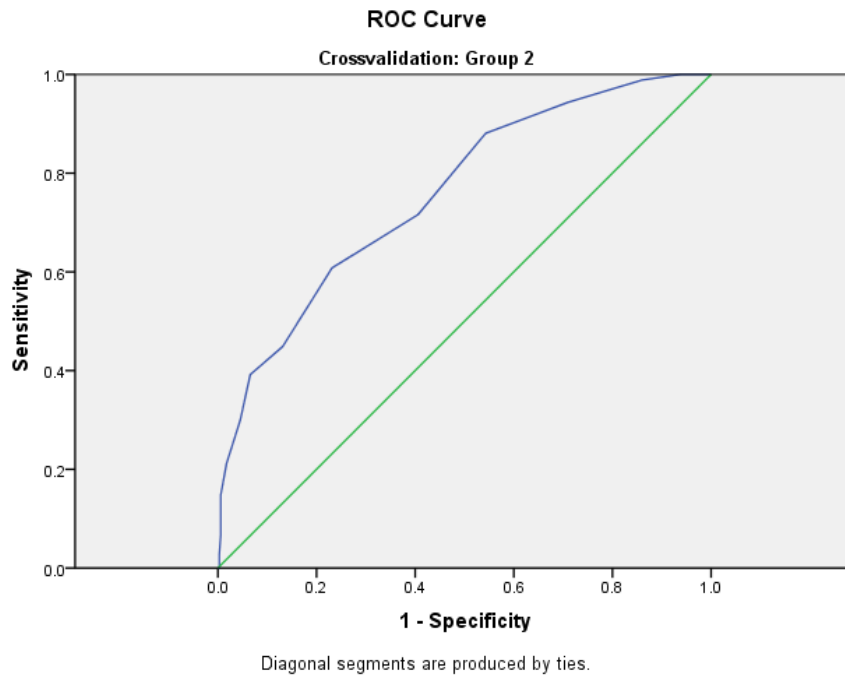
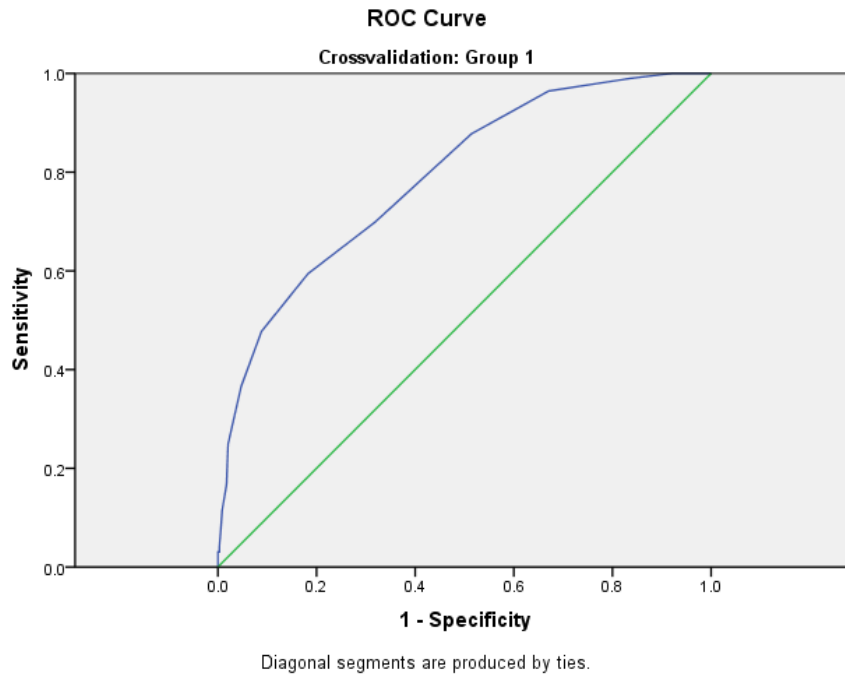
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.790	.020	.000	.751	.829
Group 2	.759	.022	.000	.716	.802

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.



Grade 7
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	-	-	.000	.997
1.50	.030	1.000	-	-
2.50	-	-	.006	.997
3.50	.030	.997	.023	.997
4.50	.041	.997	.028	.997
5.50	.076	.994	.068	.994
6.50	.117	.991	.148	.994
7.50	.168	.982	.210	.983
8.50	.249	.979	.301	.954
9.50	.365	.953	.392	.934
10.50	.477	.912	.449	.869
11.50	.594	.818	.608	.769
12.50	.701	.679	.716	.594
13.50	.878	.485	.881	.457
14.50	.964	.329	.943	.291
15.50	.990	.165	.989	.140
16.50	1.000	.079	1.000	.063
17.50	1.000	.026	1.000	.011
18.50	1.000	.003	1.000	.003
20.00	1.000	.000	1.000	.000

**Grade 7
Spring VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	155
	Negative	246
	Missing	203
Group 2	Positive ^a	143
	Negative	265
	Missing	195

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

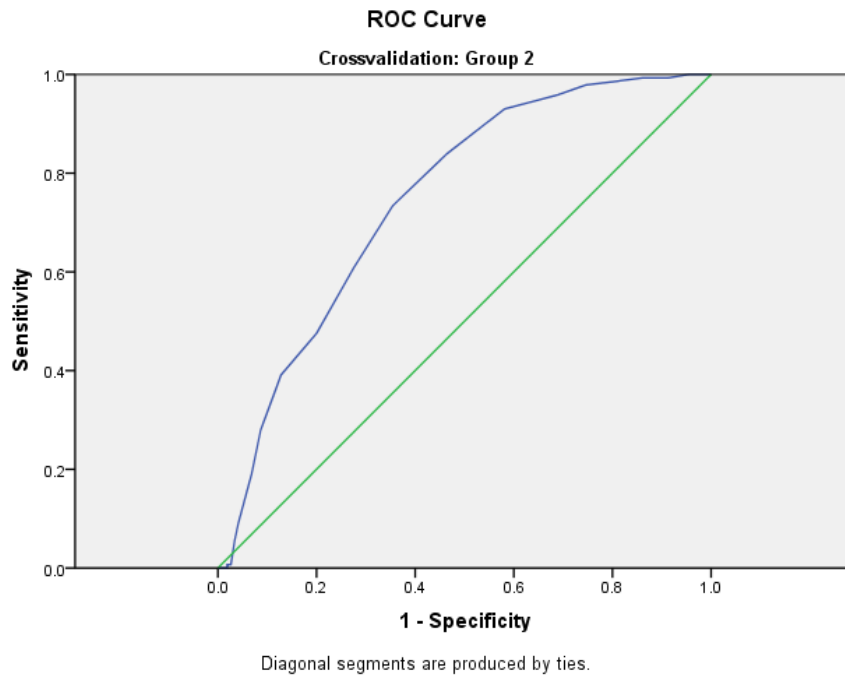
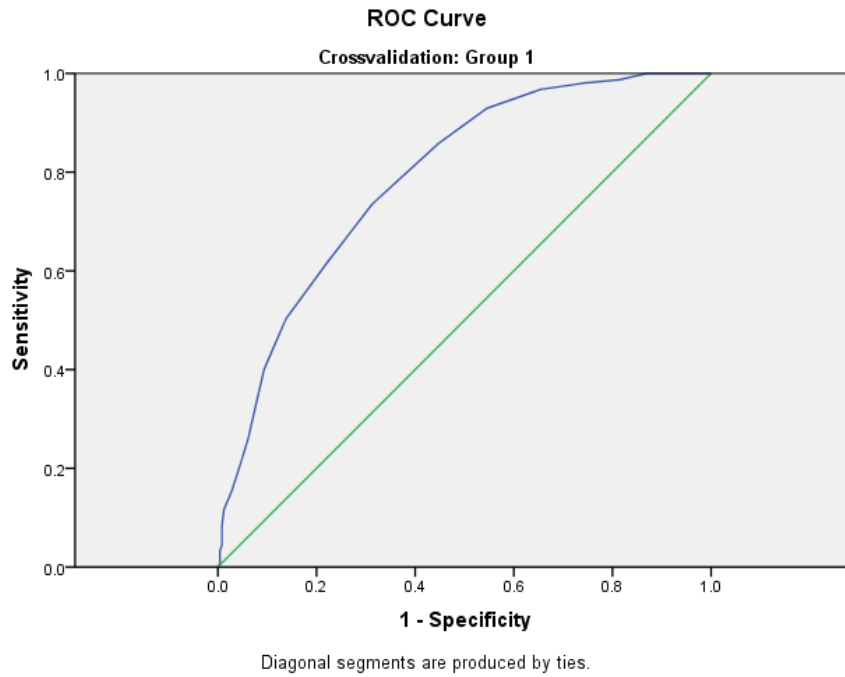
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.789	.022	.000	.745	.833
Group 2	.747	.024	.000	.699	.794

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.



Grade 7
Spring VOC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
.50	-	-	.000	.992
1.00	.006	.996	-	-
1.50	-	-	.000	.985
3.00	.013	.996	-	-
3.50	-	-	.000	.981
4.50	.019	.996	-	-
5.50	.032	.996	.007	.981
6.50	.045	.992	.007	.974
7.50	.084	.992	.056	.966
8.50	.116	.988	.091	.958
9.50	.155	.972	.189	.932
10.50	.258	.939	.280	.913
11.50	.400	.907	.392	.872
12.50	.503	.862	.476	.800
13.50	.619	.776	.608	.725
14.50	.735	.687	.734	.645
15.50	.858	.553	.839	.536
16.50	.929	.455	.930	.419
17.50	.968	.346	.958	.313
18.50	.981	.256	.979	.253
19.50	.987	.187	.986	.192
20.50	1.000	.130	.993	.140
21.50	1.000	.077	.993	.087
22.50	1.000	.045	1.000	.045
23.50	1.000	.024	1.000	.019
24.50	1.000	.008	-	-
25.00	-	-	1.000	.000
26.00	1.000	.000	-	-

Grade 8
Fall PRF Benchmark

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	90
	Negative	148
	Missing	662
Group 2	Positive ^a	98
	Negative	150
	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): 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

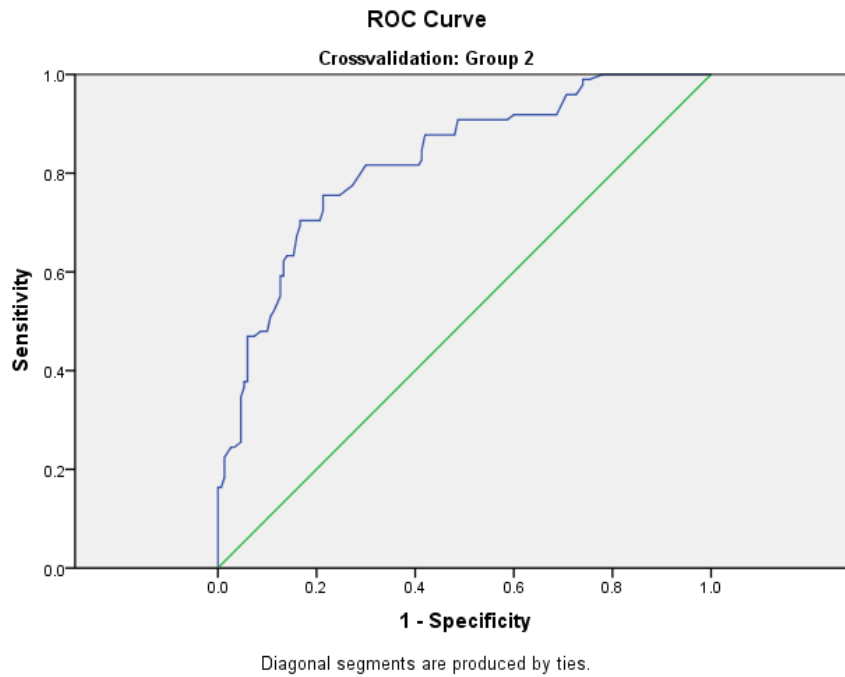
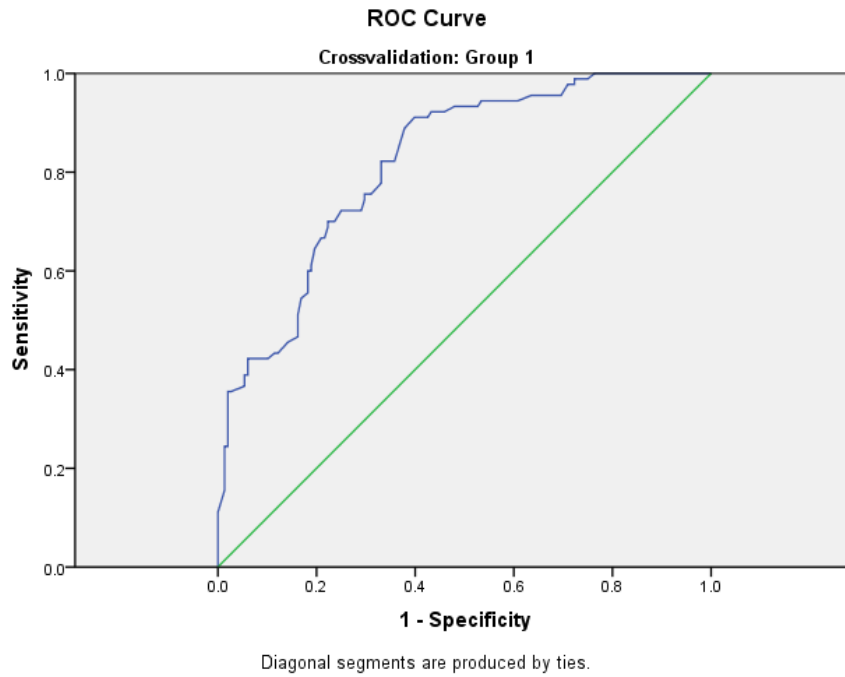
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.818	.027	.000	.766	.871
Group 2	.823	.027	.000	.771	.876

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.



Grade 8
Fall PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
14.00	.000	1.000	.000	1.000
24.00	.011	1.000	-	-
25.00	-	-	.010	1.000
34.00	.033	1.000	-	-
41.00	.044	1.000	.020	1.000
51.00	-	-	.031	1.000
51.00	.056	1.000	-	-
56.50	.067	1.000	-	-
60.00	-	-	.061	1.000
65.00	.089	1.000	-	-
68.00	-	-	.082	1.000
71.50	-	-	.122	1.000
74.00	.111	1.000	.163	1.000
76.50	.133	.993	.163	.993
77.50	.156	.986	.184	.987
80.50	.167	.986	.194	.987
84.00	.189	.986	.214	.987
87.50	.200	.986	.224	.987
92.00	.244	.986	.245	.973
94.50	.244	.980	.245	.967
96.00	.300	.980	.255	.953
97.50	.322	.980	.276	.953
99.00	-	-	.327	.953
100.00	.333	.980	-	-
101.50	-	-	.347	.953
102.50	.356	.980	-	-
103.50	.356	.973	.367	.947
104.50	.367	.946	-	-
105.50	-	-	.378	.947
106.00	.389	.946	-	-
108.50	-	-	.378	.940
109.00	.389	.939	-	-
111.00	-	-	.418	.940
112.00	.411	.939	-	-
112.50	-	-	.459	.940
113.50	.422	.939	-	-
114.50	.422	.926	.469	.940

Grade 8
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
115.50	.422	.912	-	-
116.50	.422	.899	.469	.927
117.50	.433	.885	.480	.913
118.50	.433	.878	.480	.907
119.50	.456	.858	.480	.900
120.50	.467	.838	-	-
121.50	.489	.838	.510	.893
122.50	.511	.838	-	-
123.50	.544	.831	.520	.887
124.50	.556	.818	.551	.873
125.50	.600	.818	.592	.873
126.50	.600	.811	.592	.867
127.50	.611	.811	.622	.867
128.50	.644	.804	.633	.860
129.50	.667	.791	.633	.847
130.50	.667	.784	.673	.840
131.50	.689	.777	.694	.833
133.00	.700	.777	-	-
134.50	.700	.764	.704	.833
135.50	.722	.750	-	-
136.50	.722	.723	.704	.820
137.50	.722	.716	.704	.800
138.50	.722	.709	.704	.793
139.50	.744	.703	.724	.787
140.50	.756	.703	.755	.787
141.50	.756	.689	.755	.760
142.50	.778	.669	.755	.753
143.50	.789	.669	.765	.740
144.50	.822	.669	.776	.727
146.00	.822	.642	.816	.700
147.50	.867	.628	.816	.673
148.50	.889	.622	.816	.653
149.50	-	-	.816	.647
151.00	.911	.601	.816	.620
153.50	.911	.588	.816	.607
155.00	.911	.574	.816	.593
156.50	.922	.568	.827	.587

Grade 8
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
157.50	.922	.554	-	-
158.00	-	-	.847	.587
158.50	.922	.541	-	-
160.50	.933	.520	.878	.580
162.50	.933	.507	.878	.567
163.50	-	-	.878	.560
164.00	.933	.500	-	-
164.50	-	-	.878	.533
165.50	.933	.473	.878	.520
166.50	.944	.466	.908	.513
167.50	.944	.446	.908	.480
169.50	.944	.419	.908	.453
171.50	-	-	.908	.433
172.50	.944	.399	-	-
173.00	-	-	.908	.420
174.50	.944	.392	.908	.413
175.50	.956	.365	.918	.400
176.50	.956	.358	.918	.380
177.50	.956	.345	.918	.340
178.50	.956	.331	.918	.313
179.50	.956	.324	.959	.293
180.50	.956	.304	-	-
181.00	-	-	.959	.273
181.50	.978	.291	-	-
182.50	.978	.277	.980	.260
183.50	.989	.277	.990	.260
184.50	.989	.257	.990	.253
185.50	.989	.250	.990	.247
186.50	1.000	.236	1.000	.220
187.50	1.000	.230	1.000	.213
189.00	1.000	.216	1.000	.200
191.50	1.000	.189	1.000	.187
194.00	1.000	.176	1.000	.173
195.50	-	-	1.000	.167
196.00	1.000	.169	-	-
196.50	-	-	1.000	.153
197.50	1.000	.162	1.000	.133

Grade 8
Fall PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
199.00	1.000	.155	1.000	.113
201.50	1.000	.135	1.000	.107
204.00	1.000	.128	1.000	.100
205.50	1.000	.122	1.000	.093
207.50	1.000	.115	1.000	.087
209.50	1.000	.088	1.000	.073
210.50	-	-	1.000	.067
211.50	1.000	.081	1.000	.053
213.50	1.000	.068	1.000	.040
214.50	1.000	.054	-	-
215.50	-	-	1.000	.033
215.50	1.000	.047	-	-
219.00	1.000	.041	-	-
224.00	-	-	1.000	.027
228.00	1.000	.027	-	-
233.00	-	-	1.000	.013
236.00	1.000	.020	-	-
250.50	-	-	1.000	.007
252.50	1.000	.007	-	-
268.00	1.000	.000	1.000	.000

Grade 8
Fall MCRC Benchmark

Case Processing Summary		
Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	0
	Negative	0
	Missing	900
Group 2	Positive ^a	0
	Negative	0
	Missing	900

Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is .00.

Grade 8**Fall VOC Benchmark**

Case Processing Summary		
Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	0
	Negative	0
	Missing	900
Group 2	Positive ^a	0
	Negative	0
	Missing	900

Smaller values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is .00.

**Grade 8
Winter PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	92
	Negative	155
	Missing	653
Group 2	Positive ^a	98
	Negative	163
	Missing	639

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

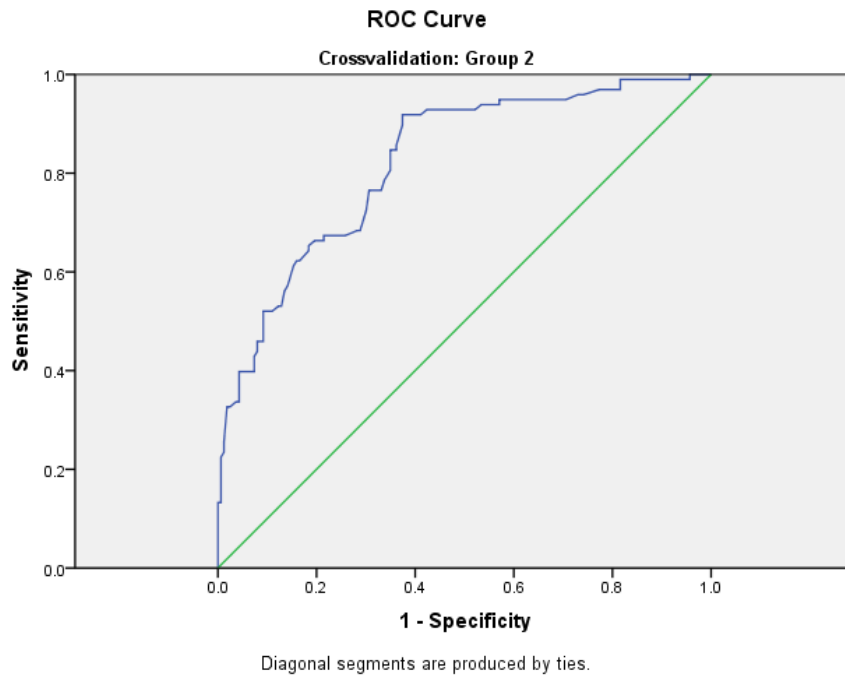
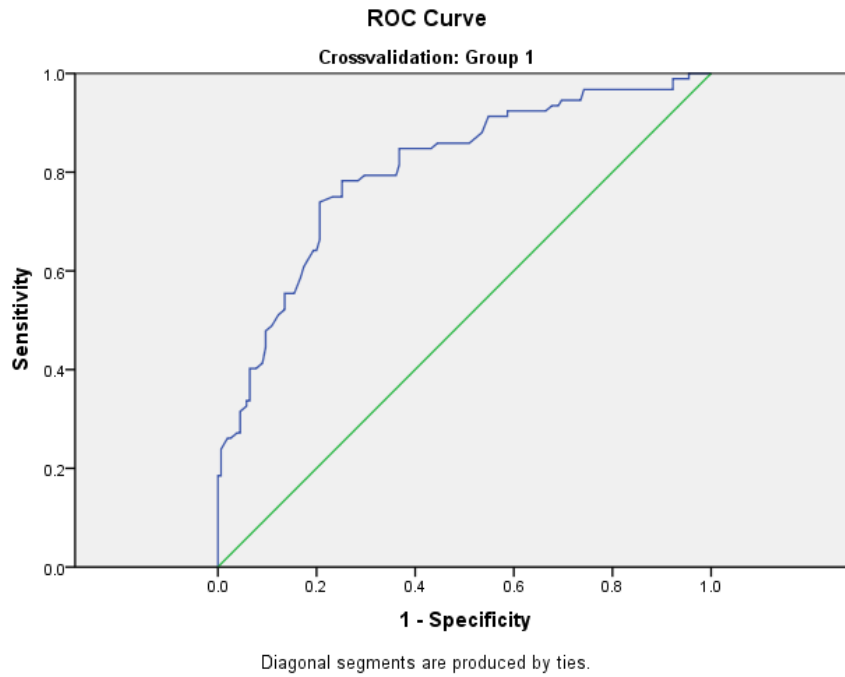
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.805	.029	.000	.748	.862
Group 2	.822	.026	.000	.771	.874

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.



Grade 8
Winter PRF Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
31.00	.000	1.000	.000	1.000
38.50	.011	1.000	.010	1.000
47.50	.022	1.000	.020	1.000
54.50	.033	1.000	.031	1.000
61.00	.043	1.000	.041	1.000
65.50	-	-	.051	1.000
66.00	.076	1.000	-	-
69.50	.098	1.000	.071	1.000
71.00	.109	1.000	.082	1.000
72.50	.141	1.000	.092	1.000
73.50	.152	1.000	-	-
74.50	-	-	.122	1.000
75.00	.174	1.000	-	-
78.00	.185	1.000	.133	1.000
82.50	-	-	.133	.994
88.50	.185	.994	-	-
91.00	-	-	.153	.994
97.50	.196	.994	.163	.994
98.50	.207	.994	.173	.994
99.50	-	-	.194	.994
101.00	.228	.994	.214	.994
103.50	.239	.994	.224	.994
104.50	-	-	.235	.988
105.00	.250	.987	-	-
105.50	-	-	.255	.988
107.00	.261	.981	.327	.982
108.50	.261	.974	.327	.975
109.50	.272	.961	.337	.963
111.50	.272	.955	.337	.957
113.50	.293	.955	-	-
114.50	-	-	.378	.957
115.00	.315	.955	-	-
116.50	.326	.942	.388	.957
117.50	.337	.942	.398	.957
118.50	.337	.935	.398	.939
119.50	.359	.935	-	-
120.50	.402	.935	.398	.926

Grade 8
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
121.50	.402	.923	-	-
122.50	.413	.910	.429	.926
123.50	.446	.903	-	-
124.00	-	-	.439	.920
124.50	.467	.903	-	-
125.50	.478	.903	.449	.920
126.50	.489	.890	.459	.920
127.50	.511	.877	.459	.908
128.50	.522	.865	.469	.908
129.50	.554	.865	.520	.908
130.50	.554	.858	.520	.902
132.00	.554	.845	.520	.890
133.50	.587	.832	.531	.877
134.50	.609	.826	.531	.871
136.00	.620	.819	.561	.865
137.50	-	-	.571	.859
138.50	.630	.813	-	-
139.00	-	-	.612	.847
140.50	.641	.806	.622	.840
141.50	.641	.800	.622	.834
143.00	.663	.794	.643	.816
144.50	.739	.794	.653	.816
145.50	.750	.768	.663	.804
147.00	.750	.761	.663	.798
148.50	.750	.748	.663	.785
149.50	.783	.748	.673	.785
150.50	.783	.735	.673	.773
151.50	.783	.716	.673	.742
152.50	.793	.703	.684	.718
153.50	.793	.684	.684	.712
154.50	.793	.671	.724	.699
155.50	.793	.665	.765	.693
157.00	.793	.639	.765	.669
158.50	-	-	.786	.663
159.50	.815	.632	-	-
159.50	-	-	.806	.650
160.50	-	-	.847	.650

Grade 8
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
161.50	.837	.632	.847	.638
162.50	.848	.632	.857	.638
163.50	.848	.594	.898	.626
164.50	.848	.581	.918	.626
165.50	.848	.568	.918	.589
166.50	.859	.555	.929	.577
167.50	.859	.542	.929	.552
169.00	.859	.510	.929	.546
170.50	.859	.503	.929	.528
171.50	.859	.490	.929	.503
172.50	-	-	.929	.491
173.00	.880	.465	.929	.479
174.50	.913	.452	-	-
175.00	-	-	.939	.466
175.50	.913	.426	-	-
177.00	-	-	.939	.454
178.00	.913	.413	-	-
178.50	-	-	.939	.442
179.50	-	-	.939	.429
180.50	.924	.413	.949	.429
181.50	.924	.400	.949	.393
182.50	.924	.387	-	-
183.00	-	-	.949	.368
183.50	.924	.374	-	-
184.50	.924	.355	.949	.362
185.50	.924	.348	.949	.344
186.50	.924	.335	.949	.294
187.50	.935	.323	.959	.270
188.50	.935	.310	.959	.258
189.50	.946	.303	.969	.227
191.00	.946	.290	.969	.202
192.50	.946	.265	.969	.190
193.50	-	-	.969	.184
194.00	.967	.258	-	-
194.50	-	-	.990	.184
196.50	.967	.206	-	-
197.50	-	-	.990	.160

Grade 8
Winter PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
199.00	.967	.181	-	-
201.00	.967	.161	-	-
204.00	-	-	.990	.153
205.50	.967	.135	-	-
208.50	-	-	.990	.141
209.50	.967	.123	.990	.129
210.50	.967	.110	.990	.117
211.50	.967	.103	.990	.110
212.50	.967	.097	.990	.092
215.00	.967	.090	-	-
216.00	-	-	.990	.086
217.50	.967	.077	-	-
218.50	.989	.077	-	-
219.50	-	-	.990	.080
222.00	.989	.071	-	-
222.50	-	-	.990	.067
225.50	.989	.065	.990	.061
228.00	-	-	.990	.055
229.50	.989	.058	-	-
232.50	-	-	.990	.043
234.00	.989	.045	-	-
236.50	-	-	1.000	.043
236.50	1.000	.045	-	-
239.00	1.000	.039	1.000	.037
243.50	1.000	.032	1.000	.031
248.50	1.000	.026	1.000	.025
252.50	-	-	1.000	.018
256.50	1.000	.019	-	-
261.00	-	-	1.000	.006
265.00	1.000	.006	-	-
268.00	1.000	.000	1.000	.000

**Grade 8
Winter MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	103
	Negative	164
	Missing	633
Group 2	Positive ^a	109
	Negative	166
	Missing	625

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

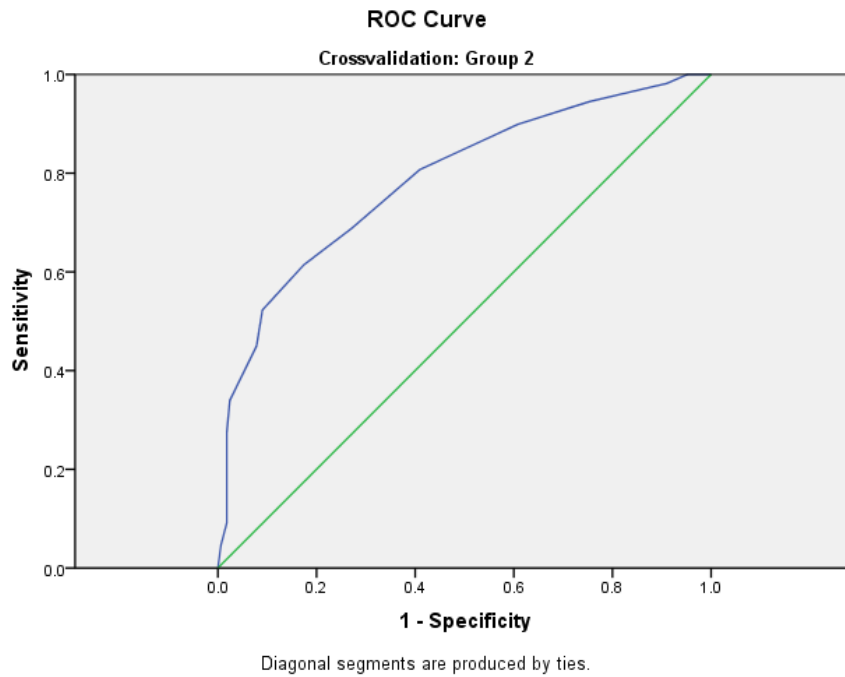
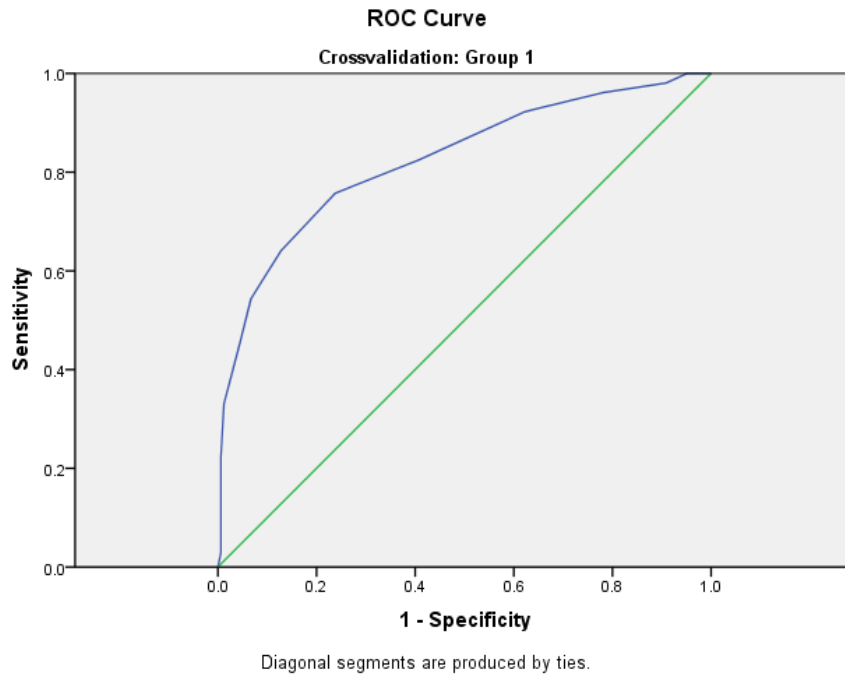
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.825	.027	.000	.772	.878
Group 2	.788	.028	.000	.732	.844

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.



Grade 8
Winter MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
2.00	.029	.994	.046	.994
4.50	.039	.994	.092	.982
5.50	.068	.994	.110	.982
6.50	.184	.994	.239	.982
7.50	.223	.994	.275	.982
8.50	.330	.988	.339	.976
9.50	.447	.957	.450	.922
10.50	.544	.933	.523	.910
11.50	.641	.872	.615	.825
12.50	.757	.762	.688	.729
13.50	.825	.591	.807	.590
14.50	.922	.378	.899	.392
15.50	.961	.220	.945	.247
16.50	.981	.091	.982	.090
17.50	1.000	.049	1.000	.048
18.50	1.000	.018	1.000	.006
20.00	1.000	.000	1.000	.000

**Grade 8
Spring PRF Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	90
	Negative	163
	Missing	647
Group 2	Positive ^a	95
	Negative	162
	Missing	643

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

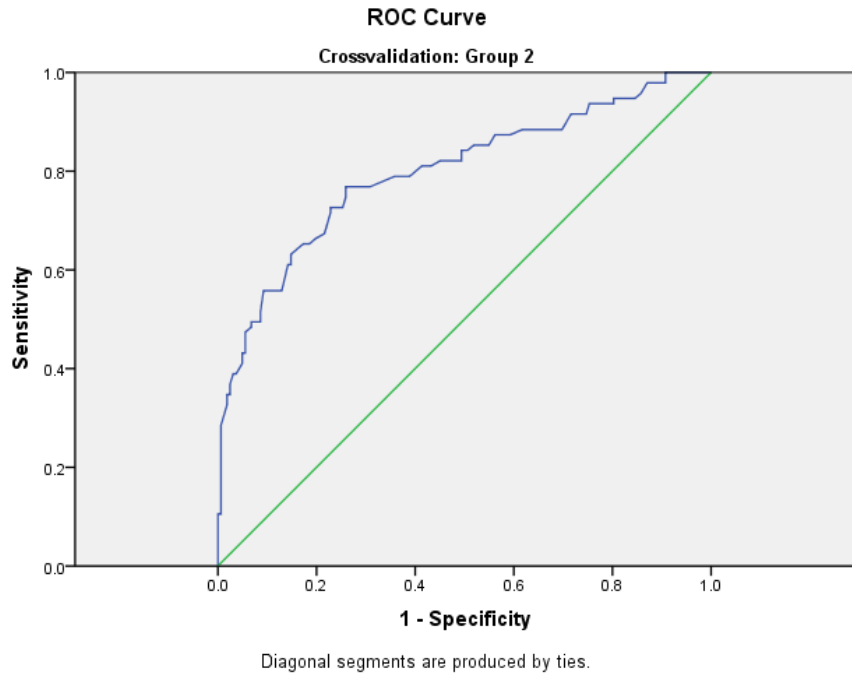
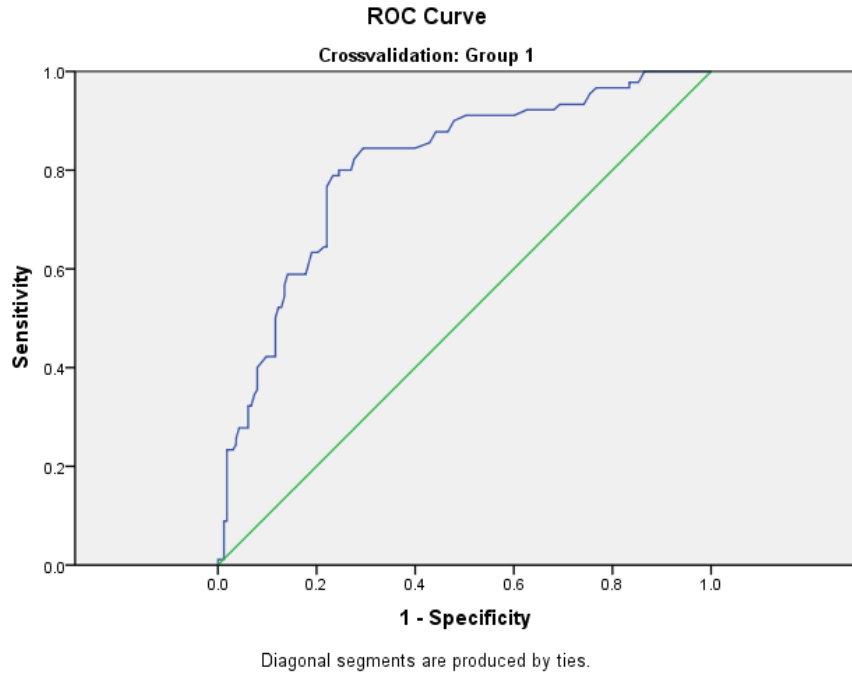
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.808	.029	.000	.751	.864
Group 2	.798	.030	.000	.739	.858

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



**Grade 8
Spring PRF Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
24.00	.000	1.000	.000	1.000
48.00	.011	1.000	-	-
72.00	-	-	.032	1.000
73.00	.011	.988	-	-
76.50	.033	.988	-	-
81.00	.044	.988	.042	1.000
86.00	.056	.988	.053	1.000
89.50	.067	.988	.063	1.000
91.50	.078	.988	.074	1.000
92.50	-	-	.084	1.000
93.00	.089	.988	-	-
93.50	-	-	.105	1.000
95.00	.089	.982	-	-
98.00	-	-	.105	.994
99.00	.111	.982	-	-
103.00	.133	.982	.126	.994
105.00	-	-	.158	.994
106.00	.144	.982	-	-
107.00	-	-	.179	.994
108.50	.167	.982	.200	.994
110.50	-	-	.221	.994
112.00	.189	.982	-	-
113.50	-	-	.263	.994
116.00	.200	.982	.274	.994
117.50	.233	.982	-	-
118.00	-	-	.284	.994
119.00	.233	.969	-	-
119.50	-	-	.326	.981
120.50	.244	.963	-	-
120.50	-	-	.337	.981
121.50	.256	.963	-	-
124.00	.278	.957	.347	.981
126.50	.278	.945	-	-
128.00	.278	.939	.347	.975
129.50	.300	.939	-	-
130.00	-	-	.368	.975

**Grade 8
Spring PRF Benchmark (continued)**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
130.50	.322	.939	-	-
132.50	.322	.933	.389	.969
135.00	.344	.926	.389	.963
136.50	.356	.920	-	-
137.50	-	-	.400	.957
138.00	.400	.920	-	-
139.50	-	-	.411	.951
140.00	.422	.902	-	-
140.50	-	-	.432	.951
141.50	.422	.883	.432	.944
142.50	.433	.883	-	-
143.00	-	-	.442	.944
143.50	.478	.883	-	-
144.50	.489	.883	.474	.944
145.50	-	-	.484	.932
146.00	.500	.883	-	-
146.50	-	-	.495	.932
147.50	.522	.877	.495	.926
149.00	.522	.871	.495	.920
151.00	.544	.865	-	-
151.50	-	-	.495	.914
153.00	.567	.865	-	-
153.50	-	-	.516	.914
154.50	.589	.859	.558	.907
155.50	.589	.822	-	-
156.00	-	-	.558	.895
156.50	.633	.810	-	-
157.50	.633	.798	.558	.870
158.50	.644	.785	.611	.858
159.50	.644	.779	.611	.852
160.50	.656	.779	.632	.852
161.50	.667	.779	.642	.840
163.00	-	-	.653	.827
162.50	.700	.779	-	-
163.50	.722	.779	-	-
164.50	.744	.779	.653	.815

Grade 8
Spring PRF Benchmark (continued)

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
165.50	.756	.779	.663	.802
166.50	.767	.779	.674	.784
167.50	.789	.767	-	-
168.00	-	-	.716	.772
168.50	.789	.755	-	-
169.50	.800	.755	.726	.772
170.50	.800	.730	.726	.747
171.50	-	-	.747	.741
172.00	.822	.724	-	-
172.50	-	-	.768	.741
173.50	.844	.706	.768	.698
174.50	.844	.687	.768	.691
175.50	.844	.650	.789	.642
176.50	-	-	.789	.611
177.00	.844	.607	-	-
177.50	-	-	.811	.586
178.50	.844	.601	.811	.568
179.50	-	-	.821	.549
180.00	.856	.571	-	-
180.50	-	-	.821	.537
181.50	.878	.558	.821	.525
182.50	.878	.534	.821	.506
183.50	-	-	.842	.506
184.00	.900	.521	-	-
184.50	-	-	.842	.494
185.50	.911	.497	.853	.481
186.50	.911	.479	.853	.463
187.50	.911	.466	.853	.451
188.50	.911	.454	.874	.438
189.50	.911	.399	.874	.407
190.50	.922	.374	.884	.383
191.50	-	-	.884	.352
192.00	.922	.368	-	-
192.50	-	-	.884	.340
193.50	.922	.337	.884	.333
194.50	.922	.331	.884	.327

**Grade 8
Spring PRF Benchmark (continued)**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
195.50	.922	.319	.884	.302
196.50	.933	.307	.916	.284
197.50	.933	.276	.916	.253
198.50	.933	.270	.937	.247
199.50	.933	.264	.937	.216
200.50	.933	.258	.937	.210
201.50	.956	.245	.937	.198
203.50	.967	.233	.947	.198
205.50	.967	.202	.947	.191
206.50	.967	.166	.947	.154
207.50	.978	.166	.958	.142
208.50	.978	.153	.979	.130
209.50	.978	.147	-	-
210.00	-	-	.979	.123
210.50	1.000	.135	-	-
212.50	1.000	.129	-	-
213.00	-	-	.979	.117
214.50	1.000	.117	-	-
216.00	1.000	.110	.979	.099
217.50	-	-	.979	.093
218.00	1.000	.104	-	-
218.50	-	-	1.000	.093
219.50	-	-	1.000	.074
220.50	1.000	.074	-	-
224.00	-	-	1.000	.062
225.00	1.000	.061	-	-
229.00	1.000	.055	1.000	.056
232.00	1.000	.049	-	-
232.50	-	-	1.000	.049
234.50	1.000	.037	-	-
238.50	-	-	1.000	.031
238.50	1.000	.018	-	-
244.50	1.000	.012	1.000	.025
247.50	1.000	.006	1.000	.019
249.00	1.000	.000	-	-
261.00	-	-	1.000	.012
275.00	-	-	1.000	.000

**Grade 8
Spring MCRC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	126
	Negative	284
	Missing	490
Group 2	Positive ^a	131
	Negative	319
	Missing	450

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

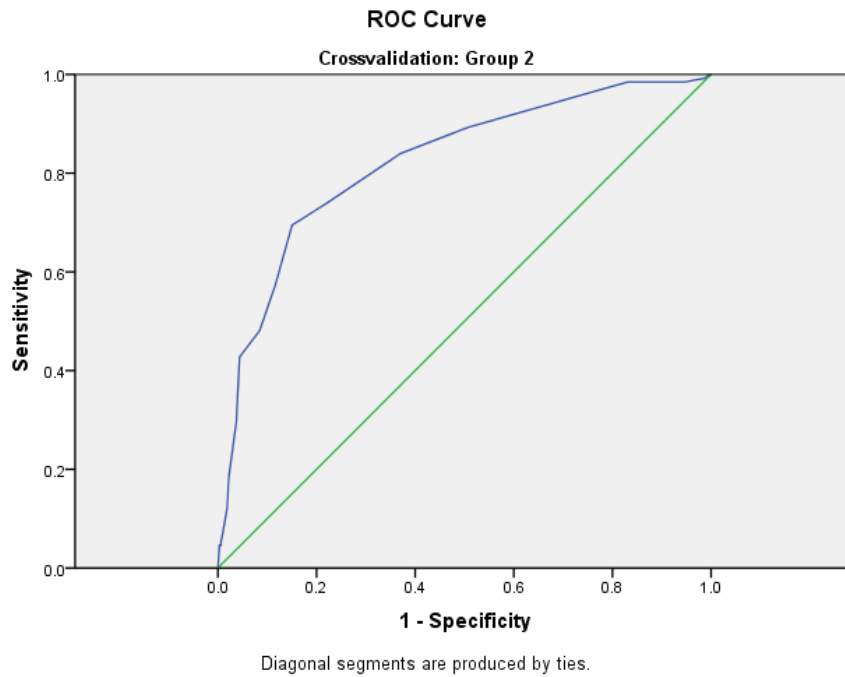
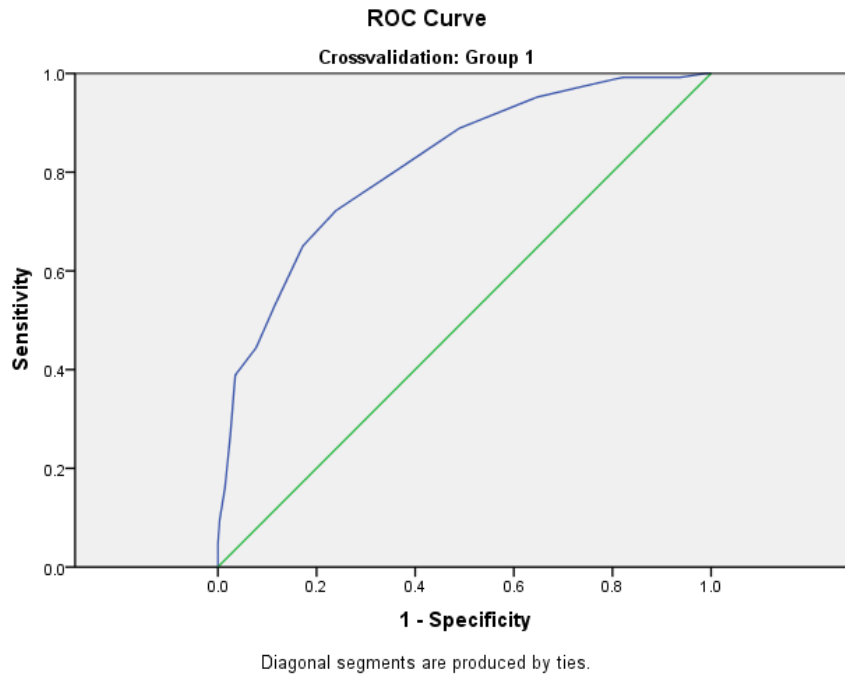
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.816	.023	.000	.772	.861
Group 2	.823	.022	.000	.779	.866

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.



Grade 8
Spring MCRC Benchmark

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	-	-	.046	.997
1.50	.016	1.000	-	-
2.50	-	-	.046	.994
3.50	.024	1.000	.053	.994
4.50	.048	1.000	.069	.991
5.50	.095	.996	.122	.981
6.50	.159	.986	.183	.978
7.50	.262	.975	.298	.962
8.50	.389	.965	.427	.956
9.50	.444	.923	.481	.915
10.50	.532	.884	.573	.884
11.50	.651	.827	.695	.850
12.50	.722	.761	.740	.777
13.50	.802	.641	.840	.630
14.50	.889	.511	.893	.492
15.50	.952	.352	.947	.304
16.50	.992	.180	.985	.169
17.50	.992	.063	.985	.053
18.50	1.000	.011	.992	.013
19.50	-	-	1.000	.003
20.00	1.000	.000	-	-
21.00	-	-	1.000	.000

**Grade 8
Spring VOC Benchmark**

Case Processing Summary^b

Crossvalidation	MSPRdg_Perf	Valid N (listwise)
Group 1	Positive ^a	44
	Negative	108
	Missing	748
Group 2	Positive ^a	37
	Negative	134
	Missing	729

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

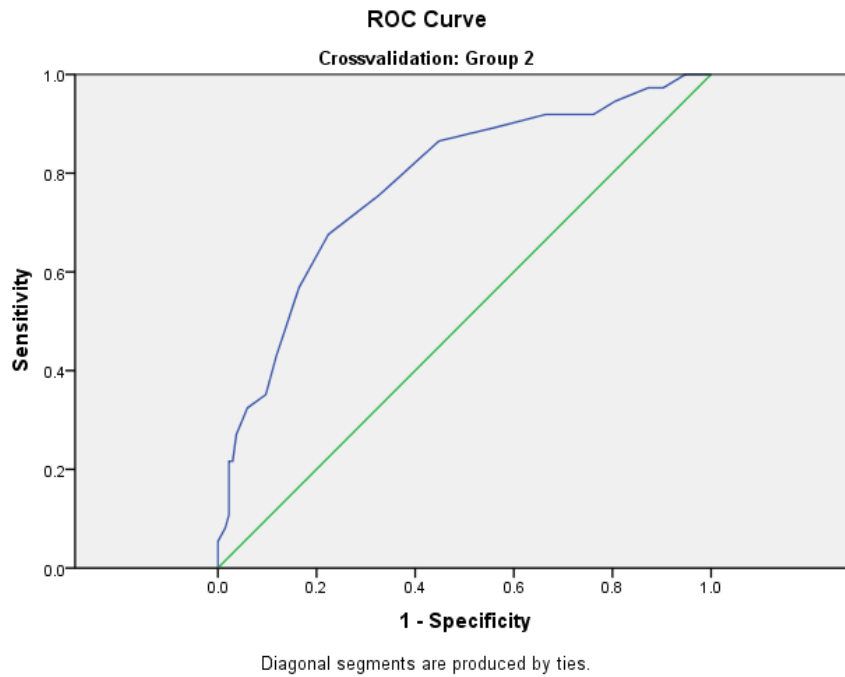
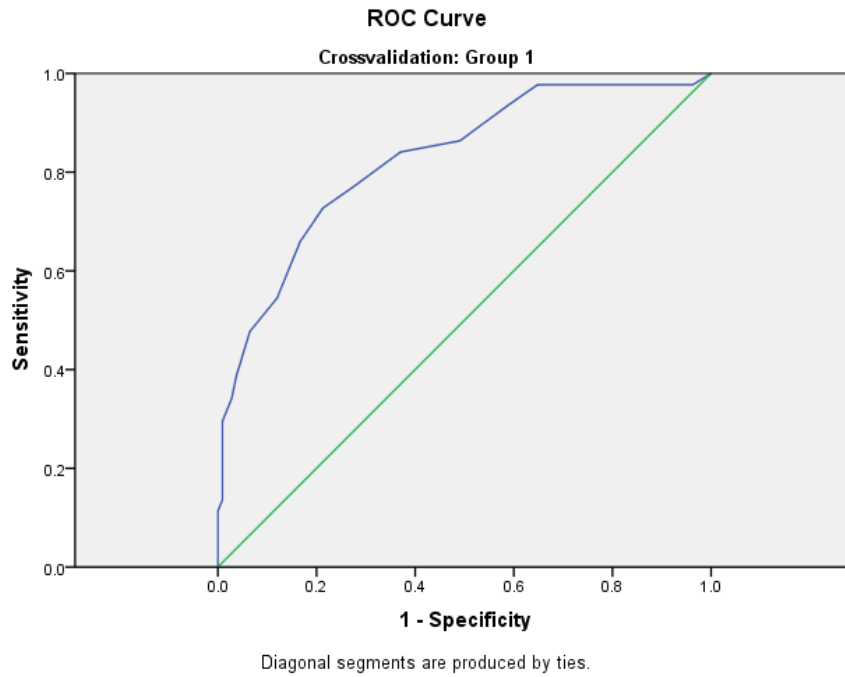
Crossvalidation	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Group 1	.826	.038	.000	.752	.900
Group 2	.778	.044	.000	.692	.864

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

c. For split file Crossvalidation = Group 1, the test result variable(s): 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.



**Grade 8
Spring VOC Benchmark**

Cut score	Group 1		Group 2	
	Sensitivity	Specificity	Sensitivity	Specificity
-1.00	.000	1.000	.000	1.000
1.00	.045	1.000	.027	1.000
2.50	.068	1.000	-	-
3.00	-	-	.054	1.000
4.00	.091	1.000	-	-
5.00	-	-	.081	.985
5.50	.114	1.000	-	-
6.50	.136	.991	.108	.978
7.50	.227	.991	.216	.978
8.50	.295	.991	.216	.970
9.50	.341	.972	.270	.963
10.50	.386	.963	.324	.940
11.50	.477	.935	.351	.903
12.50	.545	.880	.432	.881
13.50	.659	.833	.568	.836
14.50	.727	.787	.676	.776
15.50	.773	.722	.757	.672
16.50	.841	.630	.865	.552
17.50	.864	.509	.892	.440
18.50	.932	.417	.919	.336
19.50	.977	.352	.919	.239
20.50	.977	.222	.946	.194
21.50	.977	.130	.973	.127
22.50	-	-	.973	.097
23.00	.977	.037	-	-
23.50	-	-	1.000	.052
24.50	-	-	1.000	.030
25.00	1.000	.000	-	-
26.00	-	-	1.000	.000