### **Supplemental Digital Content 5. Clinical Utility**

Table 1. Performance metrics for the simulated children's hospital with varying percentage of ICU patients.

Table 2. Percentage of correct predictions of transfer from non-ICU to ICU if one or more of the prediction models made a transfer prediction.

Table 3. Percentage of correct predictions in the test sample transferred from non-ICU to ICU care.

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**SDC 5: Table 1.** Performance metrics for the simulated children's hospital with varying percentage of ICU patients.

Metric	6 to 12 Hours	12 to 18 Hours	18 to 24 Hours	24 to 30 Hours
Simulated Hospital with 30%	of the Patients Ad	mitted to ICU	1	1
·	0.958 (0.958,	0.956 (0.955,	0.953 (0.952,	0.951 (0.951,
AUROC	0.958)	0.956)	0.953)	0.951)
ALIBBO	0.873 (0.870,	0.859 (0.856,	0.846 (0.843,	0.831 (0.828,
AUPRC	0.876)	0.862)	0.849)	0.835)
Consitiuity	0.827 (0.824,	0.818 (0.814,	0.795 (0.791,	0.783 (0.779,
Sensitivity	0.830)	0.821)	0.798)	0.787)
Specificity	0.933 (0.932,	0.934 (0.933,	0.936 (0.935,	0.937 (0.936,
Specificity	0.934)	0.935)	0.938)	0.938)
Precision (Positive Predictive	0.774 (0.770,	0.768 (0.764,	0.759 (0.756,	0.749 (0.745,
Value)	0.774 (0.770,	0.771)	0.763)	0.749 (0.743,
	0.778)	0.771)	0.703)	0.733)
Negative Predictive Value	0.951 (0.950,	0.951 (0.950,	0.948 (0.946,	0.947 (0.946,
regative i realetive value	0.952)	0.952)	0.949)	0.948)
Accuracy	0.910 (0.909,	0.910 (0.909,	0.908 (0.907,	0.907 (0.906,
Accuracy	0.911)	0.911)	0.909)	0.908)
F1 score	0.800 (0.797,	0.792 (0.789,	0.777 (0.774,	0.765 (0.763,
	0.802)	0.794)	0.779)	0.768)
False Discovery Rate (False	0.226 (0.222,	0.232 (0.229,	0.241 (0.237,	0.251 (0.247,
Detection Rate)	0.230)	0.236)	0.244)	0.255)
Simulated Hospital with 15%	of the Patients Ad	mitted to ICU		
AUROC	0.970 (0.969,	0.968 (0.966,	0.969 (0.968,	0.968 (0.967,
AURUC	0.970)	0.968)	0.969)	0.968)
AUPRC	0.853 (0.849,	0.835 (0.829,	0.831 (0.826,	0.819 (0.814,
AUFRC	0.858)	0.839)	0.836)	0.825)
Sensitivity	0.828 (0.823,	0.809 (0.803,	0.792 (0.786,	0.780 (0.774,
Sensitivity	0.833)	0.814)	0.797)	0.785)
Specificity	0.960 (0.959,	0.958 (0.957,	0.964 (0.963,	0.965 (0.964,
эрестисту	0.960)	0.959)	0.965)	0.966)
Precision (Positive Predictive	0.735 (0.729,	0.715 (0.709,	0.732 (0.726,	0.728 (0.722,
Value)	0.740)	0.721)	0.738)	0.734)
Negative Predictive Value	0.976 (0.975,	0.975 (0.974,	0.974 (0.973,	0.973 (0.972,
regative i redictive value	0.977)	0.975)	0.974)	0.974)
Accuracy	0.944 (0.943,	0.941 (0.940,	0.944 (0.943,	0.945 (0.944,
Accuracy	0.945)	0.942)	0.945)	0.946)
F1 score	0.779 (0.775,	0.759 (0.755,	0.761 (0.757,	0.753 (0.749,
	0.782)	0.763)	0.765)	0.757)
False Discovery Rate (False	0.265 (0.260,	0.285 (0.279,	0.268 (0.262,	0.272 (0.266,
Detection Rate)	0.271)	0.291)	0.274)	0.278)
Simulated Hospital with 10%	of the Patients Ad	mitted to ICU		
ALIBOC	0.975 (0.974,	0.975 (0.974,	0.974 (0.973,	0.975 (0.973,
AUROC	0.975)	0.975)	0.974)	0.975)

411000	0.821 (0.814,	0.803 (0.796,	0.801 (0.794,	0.781 (0.773,
AUPRC	0.828)	0.810)	0.809)	0.789)
Concitivity	0.816 (0.809,	0.809 (0.801,	0.792 (0.784,	0.781 (0.773,
Sensitivity	0.823)	0.816)	0.799)	0.789)
Specificity	0.969 (0.968,	0.968 (0.967,	0.974 (0.973,	0.973 (0.972,
Specificity	0.970)	0.969)	0.974)	0.974)
Precision (Positive Predictive	0.676 (0.668,	0.655 (0.647,	0.655 (0.647, 0.685 (0.677,	
Value)	0.683)	0.662)	0.693)	0.677)
Negative Predictive Value	0.985 (0.985,	0.985 (0.985,	0.985 (0.984,	0.985 (0.984,
Negative Predictive value	0.986)	0.986)	0.985)	0.985)
Accuracy	0.958 (0.957,	0.957 (0.956,	0.961 (0.960,	0.961 (0.960,
Accuracy	0.959)	0.958)	0.962)	0.962)
E1 ccore	0.739 (0.734,	0.724 (0.718,	0.735 (0.729,	0.720 (0.715,
F1 score	0.744)	0.729)	0.740)	0.726)
False Discovery Rate (False	0.324 (0.317,	0.345 (0.338,	0.315 (0.307,	0.331 (0.323,
Detection Rate)	0.332)	0.353)	0.323)	0.340)

Legend: The metrics for a prevalence of 20% for ICU patients is shown in Table 2. Metrics are shown for a decision threshold of 0.5 for prediction of ICU care during the future time period. The following components of the confusion matrix are not shown since they can be computed from other data: False Negative Rate = [1 - Sensitivity]; False Positive Rate = [1 - Specificity]; False Omission Rate = [1 - Negative Predictive Value]; Number Needed to Evaluate = 1/Precision.

Abbreviations: AUROC = area under the receiver operating characteristic curve; AUPRC = area under the precision recall curve.

SDC 5: Table 2. Percentage of correct predictions of transfer from non-ICU to ICU if one or more of the prediction models made a transfer prediction prior to transfer.

Test Sample: Percentage Correct Prediction: Non-ICU to ICU Transfers (95% CI) <sup>a</sup>						
Sensitivity	First 6-hour	Second 6-hour	Third 6- hour time	Fourth 6-hour		
Sensitivity	time period	time period	period	time period		
0.85	74.2 (71.7, 76.7)	74.7 (72.1, 77.2)	72.3 (69.4, 75.1)	67.0 (63.9, 70.1)		
0.90	83.5 (81.3, 85.6)	84.2 (82.00, 86.3)	83.5 (81.1, 85.8)	79.4 (76.6, 81.9)		
0.95	92.7 (91.1, 94.1)	92.3 (90.5, 93.7)	92.0 (90.2, 93.6)	89.7 (87.6, 91.6)		
0.99	99.2 (98.5, 99.6)	99.4 (98.7, 99.8)	99.3 (98.6, 99.7)	98.8 (97.9, 99.4)		
Independen	t Cohort: Percenta	nge Correct Prediction	n: Non-ICU to ICU Tra	ansfers (95% CI) <sup>a</sup>		
0.85	75.6 (69.2, 81.2)	84.5 (82.8, 86.0)	85.1 (83.4, 86.6)	85.3 (83.7, 86.8)		
0.90	80.3 (74.3, 85.4)	89.0 (87.6, 90.3)	89.3 (87.8, 90.6)	89.5 (88.1, 90.8)		
0.95	88.7 (83.7, 92.6)	95.8 (94.8, 96.6)	95.8 (94.8, 96.6)	95.4 (94.4, 96.3)		
0.99	99.1 (96.6, 99.9)	99.9 (99.6, 100.0)	99.9 (99.6, 100.0)	99.7 (99.4, 99.9)		

#### a. Times are referenced to the prediction time interval.

Legend: The accuracy was assessed for the first, second, third and fourth 6-hour time periods after transfer but only when the prediction was done prior to the transfer. The first 6-hour time period after transfer into the ICU had predictions from all four models, the second 6-hour period had predictions from 3 models, the third 6-hour period had predictions from 2 models, and the fourth period had predictions from only one model. For the test sample, the positive predictive value of these patients needing vasoactive agent infusions or mechanical ventilation if correctly predicted was 37%-38%. The decision thresholds are based on the lower 95% confidence interval (CI) of the sensitivity or specificity. Data is the percentage (95% confidence interval). Demographic data for these samples are shown in Table 1.

# SDC 5: Table 3. Percentage of correct predictions in the 2017-2018 cohort sample transferred from non-ICU to ICU care.

#### A. Test Sample

Prediction	Sensitivity	Percentage Correct ICU Care Prediction (%) (95% CI) <sup>1</sup>					
Model		First 6-hour time period	Second 6-hour time period	Third 6- hour time period	Fourth 6-hour time period		
6 -12 Hours	0.85	61.2 (58.4,64.0)					
6 -12 Hours	0.90	73.2 (70.6,75.7)					
6 -12 Hours	0.95	87.9 (85.9,89.7)					
6 -12 Hours	0.99	98.5 (97.6,99.1)					
12 - 18 Hours	0.85	62.8 (59.5,66.1)	65.6 (62.7,68.3)				
12 - 18 Hours	0.90	75.9 (72.9,78.7)	76.3 (73.7,78.8)				
12 - 18 Hours	0.95	88.7 (86.4,90.8)	88.8 (86.8,90.6)				
12 - 18 Hours	0.99	98.7 (97.7,99.3)	98.8 (97.9,99.3)				
18 – 24 Hours	0.85	61.7 (57.8,65.5)	62.6 (59.2,66)	65.9 (62.9,68.9)			
18 – 24 Hours	0.90	75.0 (71.4,78.3)	77.4 (74.3,80.2)	78.6 (75.9,81.1)			
18 – 24 Hours	0.95	88.3 (85.6,90.7)	89.6 (87.3,91.7)	90.7 (88.7,92.4)			
18 – 24 Hours	0.99	98.6 (97.3,99.3)	98.4 (97.2,99.1)	99.1 (98.3,99.6)			
24 - 30 Hours	0.85	58.4 (53.9,62.8)	62.4 (58.4,66.3)	64.9 (61.2,68.4)	67 (63.9,70.0)		
24 - 30 Hours	0.90	71.8 (67.6,75.7)	76.4 (72.8,79.7)	78 (74.8,81)	79.4 (76.6,81.9)		
24 - 30 Hours	0.95	85.0 (81.5,88.0)	87.7 (84.8,90.2)	89.0 (86.5,91.2)	89.7 (87.6,91.6)		
24 - 30 Hours	0.99	98.2 (96.6,99.2)	98.5 (97.2,99.3)	98.3 (97.0,99.1)	98.8 (97.9,99.4)		

1. Times are referenced to the prediction time interval.

Legend: The time periods are referenced to the admission to the ICU. For example, the first 6-hour time period is the first 6 hours in the ICU and the correct predictions are reference to the 4 prediction models. The decision thresholds are based on the lower 95% confidence interval (CI) of the indicated sensitivity. Times are referenced to the prediction time interval. Data are the percentage (95% CI).

#### B. 2017-2018 Cohort

		Percentage Correct ICU Care Prediction (%) (95% CI) <sup>1</sup>					
Prediction Model	Sensitivity	First 6-hour time period	Second 6-hour time period	Third 6- hour time period	Fourth 6-hour time period		
6-12 Hours	0.85	75.4 (69.0, 81.0)					
6-12 Hours	0.90	80.1 (74.1, 85.3)					
6-12 Hours	0.95	84.8 (79.3, 89.4)					
6-12 Hours	0.99	98.6 (95.9, 99.7)					
12-18 Hours	0.85	78.6 (72.2, 84.2)	84.2 (82.5, 85.7)				
12-18 Hours	0.90	80.2 (73.9, 85.6)	88.7 (87.2, 90.0)				
12-18 Hours	0.95	89.6 (84.4, 93.5)	95.0 (93.9, 95.9)				
12-18 Hours	0.99	99.0 (96.3, 99.9)	99.8 (99.4, 99.9)				
18-24 Hours	0.85	77.2 (70.4, 83.0)	88.4 (86.6, 90.0)	84.7 (83.1, 86.2)			
18-24 Hours	0.90	81.5 (75.1, 86.9)	91.8 (90.3, 93.2)	89.2 (87.8, 90.5)			
18-24 Hours	0.95	88.6 (83.1, 92.8)	96.3 (95.2, 97.2)	95.4 (94.4, 96.3)			
18-24 Hours	0.99	99.5 (97.0, 100)	99.6 (99.2, 99.9)	99.8 (99.4, 99.9)			
24-30 Hours	0.85	56.5 (46.6, 66.0)	84.6 (82.0, 86.9)	87.8 (86.0, 89.5)	85.3 (83.7, 86.8)		
24-30 Hours	0.90	64.8 (55.0, 73.8)	89.0 (86.7, 91.0)	91.3 (89.7, 92.7)	89.5 (88.1, 90.8)		
24-30 Hours	0.95	74.1 (64.8, 82.0)	93.5 (91.6, 95.0)	95.7 (94.5, 96.7)	95.4 (94.4, 96.3)		
24-30 Hours	0.99	97.2 (92.1, 99.4)	99.1 (98.2, 99.6)	99.7 (99.3, 99.9)	99.7 (99.4, 99.9)		

#### 1. Times are referenced to the prediction time interval.

Legend: The time periods are referenced to the admission to the ICU. For example, the first 6-hour time period is the first 6 hours in the ICU and the correct predictions are reference to the 4 prediction models. The decision thresholds are based on the lower 95% confidence interval (CI) of the indicated sensitivity. Times are referenced to the prediction time interval. Data are the percentage (95% CI).

Table 4. Performance characteristics in the test sample by hospital size, geographic location, and teaching status.

A. Patient and hospital numbers for each characteristic

A. Patient and nospit	Future Prediction Time							
Characteristic	Period	Patients (n)	Hospitals (n)					
Hospital Bed Numbers								
(n)								
<99	6 - 12 Hours	2534	4					
<99	12 - 18 Hours	2534	4					
<99	18 - 24 Hours	2534	4					
<99	24 - 30 Hours	2534	4					
100-299	6 - 12 Hours	2291	14					
100-299	12 - 18 Hours	2292	14					
100-299	18 - 24 Hours	2291	14					
100-299	24 - 30 Hours	2292	14					
300-499	6 - 12 Hours	3354	14					
300-499	12 - 18 Hours	3356	14					
300-499	18 - 24 Hours	3354	14					
300-499	24 - 30 Hours	3356	14					
500+	6 - 12 Hours	3014	12					
500+	12 - 18 Hours	3016	12					
500+	18 - 24 Hours	3016	12					
500+	24 - 30 Hours	3016	12					
Geographic Location of								
Hospital								
Midwest	6 - 12 Hours	1292	8					
Midwest	12 - 18 Hours	1293	8					
Midwest	18 - 24 Hours	1292	8					
Midwest	24 - 30 Hours	1293	8					
Northeast	6 - 12 Hours	2818	10					
Northeast	12 - 18 Hours	2820	10					
Northeast	18 - 24 Hours	2818	10					
Northeast	24 - 30 Hours	2820	10					
South	6 - 12 Hours	3685	10					
South	12 - 18 Hours	3687	10					
South	18 - 24 Hours	3687	10					
South	24 - 30 Hours	3687	10					
West	6 - 12 Hours	3398	7					
West	12 - 18 Hours	3398	7					
West	>18 - 24 Hours	3398	7					
West	24 - 30 Hours	3398	7					

Teaching Status			
Non-Teaching	6 - 12 Hours	3416	11
Non-Teaching	12 - 18 Hours	3416	11
Non-Teaching	18 - 24 Hours	3416	11
Non-Teaching	24 - 30 Hours	3416	11
Teaching	6 - 12 Hours	7536	25
Teaching	12 - 18 Hours	7541	25
Teaching	18 - 24 Hours	7538	25
Teaching	24 - 30 Hours	7541	25

## B. Performance matrices for each characteristic at a decision cutpoint of 0.5

Characteristic	Future Prediction Time Period	AUROC	Sensitivity	Specificity	Precision	Accuracy
Hospital Bed						
Numbers (n)						
<99	6 - 12	0.982	0.886	0.963	0.797	0.952
	Hours	(0.981,	(0.880,	(0.961,	(0.790,	(0.950,
		0.982)	0.892)	0.964)	0.805)	0.953)
<99	12 - 18	0.980	0.895	0.966	0.808	0.956
	Hours	(0.978,	(0.889,	(0.964,	(0.800,	(0.954,
		0.980)	0.901)	0.967)	0.815)	0.957)
<99	18 - 24	0.979	0.851	0.970	0.817	0.954
	Hours	(0.977,	(0.844,	(0.969,	(0.809,	(0.952,
		0.979)	0.858)	0.971)	0.824)	0.955)
<99	24 - 30	0.977	0.842	0.968	0.803	0.952
	Hours	(0.975,	(0.835,	(0.967,	(0.795,	(0.950,
		0.977)	0.850)	0.970)	0.811)	0.953)
100-299	6 - 12	0.923	0.791	0.900	0.748	0.870
	Hours	(0.921,	(0.785,	(0.897,	(0.742,	(0.868,
		0.923)	0.797)	0.903)	0.753)	0.873)
100-299	12 - 18	0.919	0.780	0.899	0.735	0.867
	Hours	(0.917,	(0.775,	(0.896,	(0.729,	(0.865,
		0.919)	0.786)	0.901)	0.741)	0.870)
100-299	18 - 24	0.919	0.774	0.898	0.725	0.866
	Hours	(0.916,	(0.768,	(0.895,	(0.718,	(0.863,
		0.919)	0.780)	0.900)	0.731)	0.868)
100-299	24 - 30	0.913	0.752	0.900	0.715	0.863
	Hours	(0.911,	(0.746,	(0.897,	(0.709,	(0.861,
		0.913)	0.759)	0.902)	0.722)	0.865)

300-499	6 - 12	0.926	0.823	0.863	0.814	0.946
300-499				0.863		0.846
	Hours	(0.925,	(0.819,	(0.860,	(0.810,	(0.844,
	1.0 1.0	0.926)	0.826)	0.866)	0.818)	0.848)
300-499	12 - 18	0.921	0.797	0.874	0.812	0.843
	Hours	(0.920,	(0.793,	(0.871,	(0.808,	(0.840,
		0.921)	0.801)	0.877)	0.816)	0.845)
300-499	18 - 24	0.917	0.781	0.875	0.800	0.839
	Hours	(0.915,	(0.777,	(0.873,	(0.796,	(0.836,
		0.917)	0.785)	0.878)	0.804)	0.841)
300-499	24 - 30	0.914	0.773	0.871	0.782	0.835
	Hours	(0.912,	(0.769,	(0.869,	(0.778,	(0.832,
		0.914)	0.778)	0.874)	0.786)	0.837)
500+	6 - 12	0.863	0.772	0.788	0.754	0.781
	Hours	(0.861,	(0.767,	(0.785,	(0.749,	(0.778,
		0.863)	0.776)	0.792)	0.758)	0.784)
500+	12 - 18	0.862	0.773	0.789	0.740	0.782
	Hours	(0.860,	(0.769,	(0.785,	(0.736,	(0.779,
		0.862)	0.778)	0.793)	0.745)	0.785)
500+	18 - 24	0.851	0.736	0.799	0.725	0.773
	Hours	(0.849,	(0.732,	(0.795,	(0.720,	(0.770,
		0.851)	0.741)	0.802)	0.729)	0.776)
500+	24 - 30	0.850	0.720	0.816	0.722	0.778
	Hours	(0.848,	(0.715,	(0.812,	(0.717,	(0.775,
		0.850)	0.725)	0.819)	0.727)	0.781)
Geographic						
Location of						
Hospital						
Midwest	6 - 12	0.946	0.778	0.922	0.773	0.886
	Hours	(0.944,	(0.770,	(0.919,	(0.764,	(0.883,
		0.946)	0.787)	0.925)	0.781)	0.889)
Midwest	12 - 18	0.943	0.781	0.917	0.750	0.884
	Hours	(0.941,	(0.772,	(0.913,	(0.741,	(0.880,
		0.943)	0.789)	0.920)	0.759)	0.887)
Midwest	18 - 24	0.943	0.739	0.927	0.754	0.884
·····avi est	Hours	(0.941,	(0.729,	(0.924,	(0.745,	(0.880,
	110013	0.943)	0.748)	0.930)	0.763)	0.887)
Midwest	24 - 30	0.939	0.736	0.928	0.744	0.886
IVIIGVVCJU	Hours	(0.936,	(0.726,	(0.925,	(0.734,	(0.882,
	Tiouis	0.939)	0.720,	0.923,	0.754)	0.889)
Northeast	6 - 12				0.767	
Northeast		0.880	0.738	0.849		0.804
	Hours	(0.877,	(0.732,	(0.846,	(0.761,	(0.801,
		0.880)	0.743)	0.853)	0.772)	0.807)

Northeast	12 - 18	0.871	0.741	0.835	0.738	0.799
	Hours	(0.868,	(0.736,	(0.831,	(0.732,	(0.796,
		0.871)	0.747)	0.838)	0.743)	0.802)
Northeast	18 - 24	0.868	0.716	0.852	0.739	0.802
	Hours	(0.865,	(0.711,	(0.849,	(0.733,	(0.799,
		0.868)	0.722)	0.856)	0.744)	0.805)
Northeast	24 - 30	0.861	0.687	0.860	0.727	0.799
	Hours	(0.858,	(0.681,	(0.857,	(0.721,	(0.796,
		0.861)	0.693)	0.863)	0.733)	0.802)
South	6 - 12	0.898	0.820	0.821	0.805	0.821
	Hours	(0.896,	(0.817,	(0.818,	(0.801,	(0.819,
		0.898)	0.824)	0.824)	0.808)	0.823)
South	12 - 18	0.896	0.804	0.833	0.801	0.820
	Hours	(0.894,	(0.801,	(0.830,	(0.798,	(0.817,
		0.896)	0.808)	0.836)	0.805)	0.822)
South	18 - 24	0.890	0.788	0.829	0.783	0.811
	Hours	(0.888,	(0.784,	(0.826,	(0.780,	(0.808,
		0.890)	0.791)	0.832)	0.787)	0.813)
South	24 - 30	0.886	0.781	0.827	0.769	0.807
	Hours	(0.884,	(0.777,	(0.824,	(0.765,	(0.805,
		0.886)	0.784)	0.830)	0.773)	0.810)
West	6 - 12	0.969	0.871	0.931	0.741	0.920
	Hours	(0.968,	(0.866,	(0.930,	(0.735,	(0.919,
		0.969)	0.875)	0.933)	0.747)	0.922)
West	12 - 18	0.968	0.850	0.941	0.757	0.924
	Hours	(0.967,	(0.845,	(0.939,	(0.751,	(0.923,
		0.968)	0.855)	0.942)	0.763)	0.926)
West	18 - 24	0.963	0.817	0.940	0.740	0.918
	Hours	(0.962,	(0.811,	(0.938,	(0.734,	(0.917,
		0.963)	0.822)	0.941)	0.746)	0.920)
West	24 - 30	0.963	0.804	0.943	0.740	0.920
	Hours	(0.962,	(0.799,	(0.941,	(0.734,	(0.918,
		0.963)	0.810)	0.944)	0.746)	0.921)
Teaching						
Status						
Non-	6 - 12	0.970	0.802	0.957	0.809	0.929
Teaching	Hours	(0.969,	(0.796,	(0.956,	(0.803,	(0.927,
		0.970)	0.808)	0.959)	0.815)	0.930)
Non-	12 - 18	0.968	0.811	0.959	0.813	0.933
Teaching	Hours	(0.967,	(0.805,	(0.958,	(0.807,	(0.931,
		0.968)	0.816)	0.961)	0.818)	0.934)

Non-	18 - 24	0.966	0.753	0.964	0.816	0.928
Teaching	Hours	(0.964,	(0.747,	(0.963,	(0.810,	(0.926,
		0.966)	0.759)	0.966)	0.822)	0.929)
Non-	24 - 30	0.965	0.759	0.962	0.802	0.928
Teaching	Hours	(0.963,	(0.753,	(0.961,	(0.795,	(0.926,
		0.965)	0.766)	0.963)	0.808)	0.930)
Teaching	6 - 12	0.904	0.808	0.837	0.775	0.825
	Hours	(0.903,	(0.806,	(0.834,	(0.772,	(0.823,
		0.904)	0.811)	0.839)	0.777)	0.827)
Teaching	12 - 18	0.900	0.794	0.840	0.765	0.822
	Hours	(0.899,	(0.791,	(0.838,	(0.762,	(0.820,
		0.900)	0.797)	0.842)	0.768)	0.824)
Teaching	18 - 24	0.896	0.778	0.843	0.752	0.818
	Hours	(0.894,	(0.775,	(0.841,	(0.749,	(0.816,
		0.896)	0.781)	0.845)	0.755)	0.820)
Teaching	24 - 30	0.891	0.760	0.849	0.743	0.816
	Hours	(0.890,	(0.757,	(0.847,	(0.740,	(0.815,
		0.891)	0.763)	0.850)	0.746)	0.818)

AUROC = area under the receiver characteristic curve.