

Supplementary Table 4A: Models shortlisted as candidates for primary and secondary tools: Description of model variables

Task ID	Model variables	Variables
	Candidate primary tools (Decision Tree (RPART) models)	
1	Breathing status at scene Chest injury present GCS Motor Score	3
3	Breathing status at scene Chest injury present GCS Verbal Score	3
37	Breathing status at scene Chest injury present GCS Motor Score Injury type	4
52	Breathing status at scene Chest injury present GCS Verbal Score Respiratory rate	4
124	Breathing status at scene Chest injury present GCS Motor Score Injury type Respiratory rate	5
	Candidate secondary tools (Extreme Gradient Boosting (XGB) models)	
1	Breathing status at scene Chest injury present GCS Motor Score	3
3	Breathing status at scene Chest injury present GCS Verbal Score	3
37	Breathing status at scene Chest injury present GCS Motor Score Injury type	4
38	Breathing status at scene Chest injury present GCS Motor Score GCS Verbal Score	4
41	Breathing status at scene Chest injury present GCS Motor Score Respiratory rate	4
42	Breathing status at scene Chest injury present GCS Motor Score Head injury present	4
43	Breathing status at scene Chest injury present GCS Motor Score Systolic blood pressure	4
44	Breathing status at scene Chest injury present Injury type GCS Verbal Score	4
53	Breathing status at scene Chest injury present GCS Verbal Score Head injury present	4
54	Breathing status at scene Chest injury present GCS Verbal Score Systolic blood pressure	4
121	Breathing status at scene Chest injury present GCS Motor Score Injury type GCS Verbal Score	5
124	Breathing status at scene Chest injury present GCS Motor Score Injury type Respiratory rate	5
125	Breathing status at scene Chest injury present GCS Motor Score Injury type Head injury present	5
130	Breathing status at scene Chest injury present GCS Motor Score GCS Verbal Score Head injury present	5
131	Breathing status at scene Chest injury present GCS Motor Score GCS Verbal Score Systolic blood pressure	5
141	Breathing status at scene Chest injury present GCS Motor Score Head injury present Systolic blood pressure	5
154	Breathing status at scene Chest injury present Injury type Respiratory rate Head injury present	5
165	Breathing status at scene Chest injury present GCS Verbal Score Respiratory rate Systolic blood pressure	5
166	Breathing status at scene Chest injury present GCS Verbal Score Head injury present Systolic blood pressure	5
250	Breathing status at scene Chest injury present GCS Motor Score Injury type GCS Verbal Score Head injury present	6
251	Breathing status at scene Chest injury present GCS Motor Score Injury type GCS Verbal Score Systolic blood pressure	6
270	Breathing status at scene Chest injury present GCS Motor Score GCS Verbal Score Respiratory rate Systolic blood pressure	6
271	Breathing status at scene Chest injury present GCS Motor Score GCS Verbal Score Head injury present Systolic blood pressure	6
289	Breathing status at scene Chest injury present Injury type GCS Verbal Score Respiratory rate Head injury present	6
311	Breathing status at scene Chest injury present GCS Verbal Score Respiratory rate Head injury present Systolic blood pressure	6
380	Breathing status at scene Chest injury present GCS Motor Score Injury type GCS Verbal Score Respiratory rate Head injury present	7
392	Breathing status at scene Chest injury present GCS Motor Score Injury type Respiratory rate Head injury present Systolic blood pressure	7
402	Breathing status at scene Chest injury present GCS Motor Score GCS Verbal Score Respiratory rate Head injury present Systolic blood pressure	7
417	Breathing status at scene Chest injury present Injury type GCS Verbal Score Respiratory rate Head injury present Systolic blood pressure	7

Supplementary Table 4B: Performance characteristics of models shortlisted as primary and secondary tool candidates

Task ID	Internal validation using TARN testing dataset (all adult patients)					External validation in JTTR (n=5956)														
	Sensitivity		Specificity		Under-triage	Over-triage	AUC		Sensitivity	Specificity	Under-triage	Over-triage	AUC							
RPART:																				
1	73.0	[71.8, 74.2]	73.9	[73.5, 74.3]	27.0	[25.8, 28.2]	77.0	[76.4, 77.7]	0.772	[0.765, 0.779]	34.0	[32.1, 36.0]	89.0	[87.9, 90.0]	66.0	[64.0, 67.9]	34.4	[31.7, 37.2]	0.622	[0.611, 0.633]
3	72.3	[71.1, 73.5]	74.5	[74.1, 74.8]	27.7	[26.5, 28.9]	76.9	[76.2, 77.5]	0.775	[0.768, 0.782]	34.0	[32.1, 36.0]	89.0	[87.9, 90.0]	66.0	[64.0, 67.9]	34.4	[31.7, 37.2]	0.623	[0.612, 0.634]
37	73.0	[71.8, 74.2]	73.9	[73.5, 74.3]	27.0	[25.8, 28.2]	77.0	[76.4, 77.7]	0.782	[0.775, 0.789]	49.8	[47.7, 51.9]	74.5	[73.0, 75.9]	50.2	[48.1, 52.3]	45.4	[43.3, 47.6]	0.616	[0.604, 0.629]
52	72.3	[71.1, 73.5]	74.5	[74.1, 74.8]	27.7	[26.5, 28.9]	76.9	[76.2, 77.5]	0.780	[0.773, 0.787]	34.0	[32.1, 36.0]	89.0	[87.9, 90.0]	66.0	[64.0, 67.9]	34.4	[31.7, 37.2]	0.623	[0.612, 0.634]
124	73.0	[71.8, 74.2]	73.9	[73.5, 74.3]	27.0	[25.8, 28.2]	77.0	[76.4, 77.7]	0.777	[0.770, 0.783]	46.1	[44.0, 48.2]	86.3	[85.2, 87.4]	53.9	[51.8, 56.0]	32.5	[30.2, 34.9]	0.671	[0.659, 0.683]
XGB:																				
1	73.0	[71.8, 74.2]	73.9	[73.5, 74.3]	27.0	[25.8, 28.2]	77.0	[76.4, 77.7]	0.783	[0.776, 0.790]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.754	[0.742, 0.766]
3	72.3	[71.1, 73.5]	74.5	[74.1, 74.8]	27.7	[26.5, 28.9]	76.9	[76.2, 77.5]	0.796	[0.789, 0.803]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.754	[0.742, 0.766]
37	77.9	[76.8, 79.0]	73.1	[72.7, 73.5]	22.1	[21.0, 23.2]	76.4	[75.8, 77.0]	0.817	[0.810, 0.824]	97.6	[96.8, 98.2]	18.6	[17.4, 19.9]	2.4	[1.8, 3.2]	57.5	[56.2, 58.9]	0.778	[0.766, 0.790]
38	73.8	[72.6, 75.0]	73.6	[73.2, 73.9]	26.2	[25.0, 27.4]	77.1	[76.5, 77.7]	0.798	[0.792, 0.805]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.754	[0.742, 0.766]
41	73.0	[71.8, 74.2]	73.9	[73.5, 74.3]	27.0	[25.8, 28.2]	77.0	[76.4, 77.7]	0.808	[0.801, 0.815]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.779	[0.767, 0.792]
42	73.0	[71.8, 74.2]	73.9	[73.5, 74.3]	27.0	[25.8, 28.2]	77.0	[76.4, 77.7]	0.798	[0.791, 0.805]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.749	[0.736, 0.762]
43	70.0	[68.7, 71.2]	78.5	[78.2, 78.9]	30.0	[28.8, 31.3]	74.3	[73.6, 75.0]	0.809	[0.802, 0.816]	71.2	[69.3, 73.1]	74.0	[72.5, 75.4]	28.8	[26.9, 30.7]	37.2	[35.4, 39.1]	0.775	[0.762, 0.788]
44	77.3	[76.2, 78.4]	73.6	[73.3, 74.0]	22.7	[21.6, 23.8]	76.2	[75.6, 76.8]	0.830	[0.824, 0.837]	97.6	[96.8, 98.2]	18.6	[17.4, 19.9]	2.4	[1.8, 3.2]	57.5	[56.2, 58.9]	0.778	[0.766, 0.790]
53	72.3	[71.1, 73.5]	74.5	[74.1, 74.8]	27.7	[26.5, 28.9]	76.9	[76.2, 77.5]	0.802	[0.795, 0.809]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.749	[0.736, 0.762]
54	70.7	[69.5, 71.9]	77.7	[77.4, 78.1]	29.3	[28.1, 30.5]	74.7	[74.0, 75.4]	0.816	[0.810, 0.823]	71.2	[69.3, 73.1]	74.0	[72.5, 75.4]	28.8	[26.9, 30.7]	37.2	[35.4, 39.1]	0.776	[0.763, 0.789]
121	78.7	[77.6, 79.8]	72.7	[72.4, 73.1]	21.3	[20.2, 22.4]	76.5	[75.9, 77.1]	0.833	[0.827, 0.839]	97.6	[96.8, 98.2]	18.6	[17.4, 19.9]	2.4	[1.8, 3.2]	57.5	[56.2, 58.9]	0.778	[0.766, 0.790]
124	71.8	[70.6, 73.0]	81.9	[81.6, 82.2]	28.2	[27.0, 29.4]	70.3	[69.5, 71.1]	0.834	[0.827, 0.841]	97.8	[97.0, 98.3]	16.3	[15.1, 17.5]	2.2	[1.7, 3.0]	58.2	[56.8, 59.5]	0.775	[0.763, 0.787]
125	77.6	[76.5, 78.7]	73.6	[73.2, 74.0]	22.4	[21.3, 23.5]	76.2	[75.5, 76.8]	0.836	[0.829, 0.842]	97.6	[96.8, 98.2]	18.6	[17.4, 19.9]	2.4	[1.8, 3.2]	57.5	[56.2, 58.9]	0.778	[0.766, 0.790]
130	73.8	[72.6, 74.9]	73.6	[73.2, 74.0]	26.2	[25.1, 27.4]	77.1	[76.5, 77.7]	0.804	[0.797, 0.811]	70.5	[68.6, 72.4]	73.7	[72.2, 75.1]	29.5	[27.6, 31.4]	37.7	[35.9, 39.6]	0.749	[0.736, 0.762]
131	71.3	[70.1, 72.5]	77.7	[77.4, 78.1]	28.7	[27.5, 29.9]	74.6	[73.9, 75.3]	0.819	[0.812, 0.826]	71.2	[69.3, 73.0]	74.2	[72.7, 75.6]	28.8	[27.0, 30.7]	37.1	[35.2, 39.0]	0.771	[0.758, 0.783]
141	71.0	[69.8, 72.2]	77.9	[77.5, 78.2]	29.0	[27.8, 30.2]	74.6	[73.9, 75.2]	0.819	[0.813, 0.826]	71.3	[69.4, 73.2]	74.0	[72.6, 75.4]	28.7	[26.8, 30.6]	37.2	[35.3, 39.1]	0.768	[0.755, 0.781]
154	71.3	[70.1, 72.5]	78.0	[77.7, 78.4]	28.7	[27.5, 29.9]	74.4	[73.7, 75.0]	0.829	[0.823, 0.835]	96.7	[95.9, 97.4]	17.1	[15.9, 18.4]	3.3	[2.6, 4.1]	58.2	[56.8, 59.5]	0.702	[0.688, 0.715]
165	68.7	[67.4, 69.9]	81.7	[81.3, 82.0]	31.3	[30.1, 32.6]	71.5	[70.7, 72.3]	0.826	[0.820, 0.833]	72.0	[70.1, 73.9]	74.0	[72.6, 75.4]	28.0	[26.1, 29.9]	36.9	[35.1, 38.8]	0.784	[0.772, 0.797]
166	71.9	[70.7, 73.1]	76.2	[75.9, 76.6]	28.1	[26.9, 29.3]	75.7	[75.0, 76.3]	0.822	[0.815, 0.828]	71.3	[69.4, 73.2]	74.0	[72.5, 75.4]	28.7	[26.8, 30.6]	37.2	[35.3, 39.1]	0.772	[0.758, 0.785]
250	78.6	[77.5, 79.7]	73.0	[72.6, 73.4]	21.4	[20.3, 22.5]	76.4	[75.7, 77.0]	0.842	[0.835, 0.848]	97.6	[96.8, 98.2]	18.6	[17.4, 19.9]	2.4	[1.8, 3.2]	57.5	[56.2, 58.9]	0.779	[0.767, 0.790]
251	73.5	[72.3, 74.6]	80.1	[79.8, 80.5]	26.5	[25.4, 27.7]	71.8	[71.0, 72.5]	0.845	[0.839, 0.851]	97.5	[96.8, 98.1]	19.0	[17.7, 20.3]	2.5	[1.9, 3.2]	57.4	[56.1, 58.8]	0.788	[0.776, 0.801]
270	69.4	[68.1, 70.6]	81.6	[81.3, 82.0]	30.6	[29.4, 31.9]	71.3	[70.6, 72.1]	0.829	[0.822, 0.835]	75.4	[73.6, 77.2]	65.5	[63.9, 67.0]	24.6	[22.8, 26.4]	42.6	[40.8, 44.4]	0.782	[0.770, 0.794]
271	70.5	[69.3, 71.7]	78.3	[78.0, 78.7]	29.5	[28.3, 30.7]	74.3	[73.6, 75.0]	0.824	[0.817, 0.830]	70.8	[68.9, 72.7]	74.8	[73.4, 76.2]	29.2	[27.3, 31.1]	36.6	[34.7, 38.5]	0.771	[0.758, 0.784]
289	72.1	[70.9, 73.3]	82.6	[82.2, 82.9]	27.9	[26.7, 29.1]	69.4	[68.6, 70.2]	0.850	[0.844, 0.856]	97.4	[96.6, 98.0]	18.2	[17.0, 19.5]	2.6	[2.0, 3.4]	57.7	[56.3, 59.0]	0.779	[0.767, 0.791]
311	69.1	[67.8, 70.3]	81.5	[81.1, 81.8]	30.9	[29.7, 32.2]	71.6	[70.8, 72.4]	0.831	[0.825, 0.838]	75.3	[73.5, 77.1]	65.8	[64.3, 67.4]	24.7	[22.9, 26.5]	42.4	[40.6, 44.2]	0.781	[0.769, 0.794]
380	71.3	[70.1, 72.5]	83.9	[83.6, 84.2]	28.7	[27.5, 29.9]	68.0	[67.1, 68.8]	0.851	[0.845, 0.857]	97.4	[96.6, 98.0]	18.4	[17.1, 19.7]	2.6	[2.0, 3.4]	57.6	[56.3, 59.0]	0.793	[0.782, 0.805]
392	71.4	[70.2, 72.6]	84.5	[84.2, 84.8]	28.6	[27.4, 29.8]	67.1	[66.2, 67.9]	0.854	[0.848, 0.860]	97.9	[97.2, 98.4]	16.3	[15.1, 17.5]	2.1	[1.6, 2.8]	58.1	[56.8, 59.5]	0.798	[0.787, 0.810]
402	69.6	[68.4, 70.8]	81.6	[81.3, 81.9]	30.4	[29.2, 31.6]	71.3	[70.5, 72.0]	0.833	[0.827, 0.840]	74.2	[72.4, 76.0]	68.4	[66.9, 69.9]	25.8	[24.0, 27.6]	40.9	[39.0, 42.7]	0.781	[0.769, 0.794]
417	72.0	[70.8, 73.2]	83.7	[83.4, 84.0]	28.0	[26.8, 29.2]	68.0	[67.2, 68.8]	0.856	[0.850, 0.862]	97.9	[97.2, 98.4]	16.9	[15.7, 18.2]	2.1	[1.6, 2.8]	58.0	[56.6, 59.3]	0.799	[0.787, 0.811]

Ledger: Values shown are percentages (except AUC), accompanied by 95% confidence intervals. rpart=Decision tree, XGB=eXtreme Gradient Boosting

Supplementary Table 4C: Performance characteristics by age subgroup of models shortlisted as tool candidates using the internal validation (TARN) dataset

Task ID	16-64 years										65+ years									
	Sensitivity		Specificity		Under-triage		Over-triage		AUC		Sensitivity		Specificity		Under-triage		Over-triage		AUC	
RPART																				
1	76.0	[74.6, 77.3]	71.8	[71.2, 72.4]	24.0	[22.7, 25.4]	66.8	[65.8, 67.8]	0.783	[0.775, 0.791]	66.3	[64.0, 68.6]	75.3	[74.8, 75.8]	33.7	[31.4, 36.0]	87.2	[86.5, 87.9]	0.738	[0.726, 0.751]
3	75.3	[73.9, 76.6]	72.4	[71.8, 73.0]	24.7	[23.4, 26.1]	66.6	[65.5, 67.5]	0.787	[0.778, 0.795]	65.7	[63.4, 67.9]	75.8	[75.4, 76.3]	34.3	[32.1, 36.6]	87.1	[86.4, 87.8]	0.741	[0.728, 0.754]
37	76.0	[74.6, 77.3]	71.8	[71.2, 72.4]	24.0	[22.7, 25.4]	66.8	[65.8, 67.8]	0.794	[0.786, 0.803]	66.3	[64.0, 68.6]	75.3	[74.8, 75.8]	33.7	[31.4, 36.0]	87.2	[86.5, 87.9]	0.746	[0.733, 0.759]
52	75.3	[73.9, 76.6]	72.4	[71.8, 73.0]	24.7	[23.4, 26.1]	66.6	[65.5, 67.5]	0.792	[0.784, 0.800]	65.7	[63.4, 67.9]	75.8	[75.4, 76.3]	34.3	[32.1, 36.6]	87.1	[86.4, 87.8]	0.745	[0.732, 0.758]
124	76.0	[74.6, 77.3]	71.8	[71.2, 72.4]	24.0	[22.7, 25.4]	66.8	[65.8, 67.8]	0.788	[0.780, 0.796]	66.3	[64.0, 68.6]	75.3	[74.8, 75.8]	33.7	[31.4, 36.0]	87.2	[86.5, 87.9]	0.742	[0.729, 0.754]
XGB																				
1	76.0	[74.6, 77.3]	71.8	[71.2, 72.4]	24.0	[22.7, 25.4]	66.8	[65.8, 67.8]	0.795	[0.787, 0.804]	66.3	[64.0, 68.6]	75.3	[74.8, 75.8]	33.7	[31.4, 36.0]	87.2	[86.5, 87.9]	0.747	[0.734, 0.759]
3	75.3	[73.9, 76.6]	72.4	[71.8, 73.0]	24.7	[23.4, 26.1]	66.6	[65.5, 67.5]	0.809	[0.801, 0.817]	65.7	[63.4, 67.9]	75.8	[75.4, 76.3]	34.3	[32.1, 36.6]	87.1	[86.4, 87.8]	0.763	[0.750, 0.776]
37	82.6	[81.4, 83.8]	70.1	[69.4, 70.7]	17.4	[16.2, 18.6]	66.3	[65.3, 67.2]	0.839	[0.831, 0.847]	67.3	[65.0, 69.5]	75.1	[74.6, 75.6]	32.7	[30.5, 35.0]	87.1	[86.4, 87.8]	0.752	[0.739, 0.765]
38	76.8	[75.4, 78.1]	71.5	[70.9, 72.2]	23.2	[21.9, 24.6]	66.8	[65.8, 67.7]	0.811	[0.803, 0.819]	67.2	[64.9, 69.4]	74.9	[74.4, 75.4]	32.8	[30.6, 35.1]	87.3	[86.6, 88.0]	0.765	[0.752, 0.778]
41	76.0	[74.6, 77.3]	71.8	[71.2, 72.4]	24.0	[22.7, 25.4]	66.8	[65.8, 67.8]	0.821	[0.813, 0.829]	66.3	[64.0, 68.6]	75.3	[74.8, 75.8]	33.7	[31.4, 36.0]	87.2	[86.5, 87.9]	0.766	[0.752, 0.779]
42	76.0	[74.6, 77.3]	71.8	[71.2, 72.4]	24.0	[22.7, 25.4]	66.8	[65.8, 67.8]	0.806	[0.798, 0.815]	66.3	[64.0, 68.6]	75.3	[74.8, 75.8]	33.7	[31.4, 36.0]	87.2	[86.5, 87.9]	0.778	[0.766, 0.791]
43	74.4	[73.0, 75.7]	74.0	[73.4, 74.6]	25.6	[24.3, 27.0]	65.4	[64.4, 66.4]	0.815	[0.807, 0.824]	60.0	[57.7, 62.4]	81.5	[81.1, 81.9]	40.0	[37.6, 42.3]	85.0	[84.1, 85.8]	0.760	[0.746, 0.774]
44	82.0	[80.8, 83.2]	70.6	[70.0, 71.2]	18.0	[16.8, 19.2]	66.0	[65.0, 67.0]	0.852	[0.845, 0.859]	66.7	[64.4, 68.9]	75.7	[75.2, 76.1]	33.3	[31.1, 35.6]	87.0	[86.3, 87.7]	0.769	[0.756, 0.781]
53	75.3	[73.9, 76.6]	72.4	[71.8, 73.0]	24.7	[23.4, 26.1]	66.6	[65.5, 67.5]	0.813	[0.805, 0.821]	65.7	[63.4, 67.9]	75.8	[75.4, 76.3]	34.3	[32.1, 36.6]	87.1	[86.4, 87.8]	0.780	[0.767, 0.792]
54	74.9	[73.5, 76.3]	73.6	[73.0, 74.2]	25.1	[23.7, 26.5]	65.6	[64.6, 66.7]	0.825	[0.817, 0.833]	61.2	[58.9, 63.5]	80.5	[80.1, 80.9]	38.8	[36.5, 41.1]	85.4	[84.5, 86.2]	0.773	[0.760, 0.786]
121	83.4	[82.2, 84.5]	69.8	[69.2, 70.4]	16.6	[15.5, 17.8]	66.2	[65.3, 67.2]	0.855	[0.848, 0.862]	68.1	[65.9, 70.3]	74.7	[74.2, 75.2]	31.9	[29.7, 34.1]	87.2	[86.5, 87.9]	0.770	[0.758, 0.783]
124	77.5	[76.1, 78.8]	78.8	[78.2, 79.3]	22.5	[21.2, 23.9]	59.7	[58.6, 60.8]	0.854	[0.847, 0.862]	59.1	[56.7, 61.4]	84.0	[83.6, 84.4]	40.9	[38.6, 43.3]	83.3	[82.3, 84.2]	0.772	[0.758, 0.785]
125	82.3	[81.1, 83.5]	70.5	[69.9, 71.2]	17.7	[16.5, 18.9]	66.0	[65.0, 66.9]	0.854	[0.846, 0.861]	67.2	[64.9, 69.4]	75.7	[75.2, 76.1]	32.8	[30.6, 35.1]	86.9	[86.2, 87.6]	0.784	[0.772, 0.797]
130	76.6	[75.3, 77.9]	71.6	[71.0, 72.2]	23.4	[22.1, 24.7]	66.7	[65.7, 67.7]	0.814	[0.806, 0.822]	67.3	[65.0, 69.5]	74.9	[74.4, 75.4]	32.7	[30.5, 35.0]	87.2	[86.5, 87.9]	0.783	[0.771, 0.795]
131	75.6	[74.2, 76.9]	73.7	[73.1, 74.3]	24.4	[23.1, 25.8]	65.4	[64.3, 66.4]	0.828	[0.820, 0.836]	61.7	[59.4, 64.0]	80.4	[80.0, 80.8]	38.3	[36.0, 40.6]	85.3	[84.5, 86.1]	0.775	[0.761, 0.788]
141	74.8	[73.4, 76.1]	73.7	[73.1, 74.3]	25.2	[23.9, 26.6]	65.6	[64.6, 66.6]	0.824	[0.816, 0.833]	62.4	[60.0, 64.7]	80.6	[80.2, 81.1]	37.6	[35.3, 40.0]	85.1	[84.2, 85.9]	0.788	[0.775, 0.800]
154	75.5	[74.1, 76.9]	77.1	[76.5, 77.7]	24.5	[23.1, 25.9]	62.2	[61.1, 63.3]	0.847	[0.839, 0.854]	61.8	[59.4, 64.1]	78.6	[78.2, 79.1]	38.2	[35.9, 40.6]	86.4	[85.6, 87.1]	0.780	[0.768, 0.793]
165	72.9	[71.5, 74.3]	78.3	[77.8, 78.9]	27.1	[25.7, 28.5]	61.7	[60.6, 62.8]	0.838	[0.830, 0.846]	59.2	[56.8, 61.5]	83.9	[83.5, 84.3]	40.8	[38.5, 43.2]	83.3	[82.4, 84.2]	0.781	[0.768, 0.794]
166	75.9	[74.5, 77.2]	72.2	[71.5, 72.8]	24.1	[22.8, 25.5]	66.5	[65.5, 67.5]	0.828	[0.820, 0.836]	62.8	[60.5, 65.1]	78.9	[78.5, 79.4]	37.2	[34.9, 39.5]	86.0	[85.2, 86.8]	0.790	[0.778, 0.803]
250	83.2	[82.0, 84.3]	70.1	[69.4, 70.7]	16.8	[15.7, 18.0]	66.1	[65.1, 67.1]	0.860	[0.853, 0.868]	68.3	[66.0, 70.4]	74.9	[74.4, 75.4]	31.7	[29.6, 34.0]	87.1	[86.4, 87.8]	0.789	[0.777, 0.801]
251	79.9	[78.6, 81.2]	75.2	[74.6, 75.8]	20.1	[18.8, 21.4]	62.7	[61.7, 63.8]	0.863	[0.856, 0.871]	58.9	[56.6, 61.3]	83.4	[83.0, 83.8]	41.1	[38.7, 43.4]	83.8	[82.8, 84.7]	0.783	[0.770, 0.796]
270	73.7	[72.3, 75.1]	78.2	[77.6, 78.7]	26.3	[24.9, 27.7]	61.6	[60.5, 62.7]	0.840	[0.833, 0.848]	59.6	[57.2, 61.9]	83.9	[83.5, 84.3]	40.4	[38.1, 42.8]	83.2	[82.2, 84.1]	0.783	[0.770, 0.796]
271	74.5	[73.1, 75.9]	74.6	[74.0, 75.2]	25.5	[24.1, 26.9]	64.9	[63.8, 65.9]	0.830	[0.822, 0.838]	61.6	[59.2, 63.9]	80.8	[80.3, 81.2]	38.4	[36.1, 40.8]	85.1	[84.3, 85.9]	0.791	[0.779, 0.804]
289	77.5	[76.1, 78.8]	80.2	[79.7, 80.7]	22.5	[21.2, 23.9]	58.1	[56.9, 59.2]	0.869	[0.862, 0.876]	60.2	[57.8, 62.5]	84.1	[83.7, 84.5]	39.8	[37.5, 42.2]	82.9	[81.9, 83.8]	0.797	[0.785, 0.810]
311	73.1	[71.6, 74.5]	78.1	[77.5, 78.6]	26.9	[25.5, 28.4]	61.9	[60.8, 63.0]	0.840	[0.832, 0.847]	60.1	[57.7, 62.4]	83.7	[83.3, 84.1]	39.9	[37.6, 42.3]	83.3	[82.3, 84.2]	0.797	[0.784, 0.809]
380	76.9	[75.5, 78.2]	81.6	[81.0, 82.1]	23.1	[21.8, 24.5]	56.5	[55.3, 57.7]	0.870	[0.863, 0.877]	58.7	[56.3, 61.0]	85.4	[85.1, 85.8]	41.3	[39.0, 43.7]	82.0	[80.9, 83.0]	0.798	[0.786, 0.810]
392	77.2	[75.9, 78.5]	80.8	[80.3, 81.3]	22.8	[21.5, 24.1]	57.4	[56.2, 58.6]	0.869	[0.862, 0.876]	58.3	[55.9, 60.6]	87.0	[86.6, 87.4]	41.7	[39.4, 44.1]	80.3	[79.2, 81.4]	0.801	[0.788, 0.813]
402	73.6	[72.2, 75.0]	78.2	[77.6, 78.7]	26.4	[25.0, 27.8]	61.6	[60.5, 62.8]	0.842	[0.834, 0.849]	60.6	[58.2, 62.9]	83.9	[83.5, 84.3]	39.4	[37.1, 41.8]	83.0	[82.0, 83.9]	0.797	[0.785, 0.810]
417	77.9	[76.5, 79.2]	80.2	[79.7, 80.8]	22.1	[20.8, 23.5]	57.9	[56.7, 59.0]	0.873	[0.866, 0.880]	58.8	[56.4, 61.1]	86.0	[85.6, 86.4]	41.2	[38.9, 43.6]	81.4	[80.3, 82.4]	0.803	[0.790, 0.815]

Ledger: Values shown are percentages (except AUC), accompanied by 95% confidence intervals- rpart=Decision tree, XGB=eXtreme Gradient Boosting