

## **Serum anion gap at admission as a predictor of mortality in the pediatric intensive care unit**

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**Table S1. Calibration and discrimination to evaluate performance of each incorporated models**

	<b>HL <math>\chi^2</math> (df)</b>	<b>HL p-value</b>	<b>AUC (95% CI)</b>
<b>PIM2 with cAG</b>	13.9429 (8)	0.0833	0.836 (0.786-0.885)
<b>PIM3 with cAG</b>	28.617 (8)	0.0004	0.855 (0.808-0.902)
<b>PRISM III with cAG</b>	3.4018 (8)	0.9067	0.834 (0.785-0.883)

HL, Hosmer and Lemeshow Goodness of fit test;  $\chi^2$ , chi-square; df, degree of freedom; AUC, area under the receiver operating characteristic curve; CI, confidence interval; cAG, corrected anion gap; PIM, Pediatric Index of Mortality; PRISM III, Pediatric Risk of Mortality III.

**Table S2. AUC comparisons between pre-existing models and cAG-incorporated models**

	<b>AUC (95% CI)</b>	<b>p-value</b>
<b>PIM2</b>	0.779 (0.722-0.837)	0.0047
<b>PIM2 with cAG</b>	0.836 (0.786-0.885)	
<b>PIM3</b>	0.822 (0.766-0.877)	0.1151
<b>PIM3 with cAG</b>	0.855 (0.808-0.902)	
<b>PRISM III</b>	0.808 (0.55-0.861)	0.0385
<b>PRISM III with cAG</b>	0.834 (0.785-0.883)	

AUC, area under the receiver operating characteristic curve; CI, confidence interval; cAG, corrected anion gap; PIM, Pediatric Index of Mortality; PRISM III, Pediatric Risk of Mortality III.