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| **Table S5A: Discriminative Ability of Hypotension Exposures for MINS and AKI \*** |
|  | **MINS** | **AKI** |
| **Exposures**  | **Univariable C-statistic (95% CI)** | **Multivariable C-statistic (95% CI)** | **Univariable C-statistic (95% CI)** | **Multivariable C-statistic (95% CI)** |
| **Lowest BP for cumulative 5 minutes** |  |  |  |
| SBP | 0.597 (0.581, 0.613) |  0.814 (0.803, 0.826) | 0.579 (0.565, 0.593) | 0.814 (0.804, 0.823) |
| MAP | 0.594 (0.578, 0.610) |  0.813 (0.802, 0.824) | 0.575 (0.562, 0.589) | 0.813 (0.803, 0.822) |
| DBP | 0.590 (0.574, 0.605) |  0.812 (0.801, 0.823) | 0.561 (0.547, 0.575)  | 0.811 (0.801, 0.821) |
| PP | 0.586 (0.570, 0.601) |  0.812 (0.801, 0.824) | 0.575 (0.562, 0.589) | 0.813 (0.803, 0.822) |
| **AUC under threshold** |  |  |  |
| SBP <90  | 0.582 (0.566, 0.598) |  0.813 (0.802, 0.824) | 0.573 (0.559, 0.587) | 0.819 (0.810, 0.829) |
| MAP <65  | 0.591 (0.575, 0.607) |  0.812 (0.801, 0.823) | 0.576 (0.562, 0.590) | 0.818 (0.808, 0.827) |
| DBP < 50 | 0.588 (0.572, 0.603) |  0.801 (0.799, 0.822) | 0.562 (0.549, 0.576) | 0.816 (0.807, 0.826) |
| PP<35 | 0.560 (0.544, 0.576) |  0.813 (0.802, 0.824) | 0.563 (0.549, 0.577) | 0.819 (0.810, 0.828) |
| **Minutes under threshold** |  |  |  |
| SBP <90  | 0.573 (0.557, 0.589) |  0.812 (0.801, 0.824) | 0.567(0.553, 0.581) | 0.819 (0.809, 0.828) |
| MAP <65  | 0.585 (0.569, 0.600) |  0.812 (0.801, 0.823) | 0.573 (0.559, 0.587) | 0.818 (0.808, 0.827) |
| DBP < 50 | 0.581 (0.565, 0.596) |  0.811 (0.800, 0.822) | 0.563 (0.550, 0.577) | 0.816 (0.807, 0.826) |
| PP<35 | 0.554 (0.538, 0.570) |  0.812(0.802, 0.824) | 0.563 (0.549, 0.577) | 0.819 (0.810, 0.829) |
| **Only non-BP covariates**  |  **0.810 (0.799, 0.822)** |  | **0.811(0.801, 0.820)** |
| **\*** The relationship between each blood pressure component and response was modeled by a restricted cubic spline function with three knots located at 10th, 50th, and 90th percentiles; AUC estimates for the multivariable model including the respective blood pressure component compared to the model without the components (i.e., last row) indicates only miniscule improvements in discrimination (ranging from 0 to 0.004) due to adding the component. Abbreviations: AKI = acute kidney injury; AUC = area under curve; BP = blood pressure; DBP = diastolic blood pressure; MAP=mean arterial pressure; MINS = myocardial injury after non-cardiac surgery; PP = pulse pressure; SBP= systolic blood pressure.  |