**Supplemental Table 1: Logistic regression model results showing the odds ratios of in-hospital mortality and discharge destination associated with CAM-ICU-7, DRS-R-98, and delirium duration.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Variables** | **In-hospital Mortality** | | |
|  | **CAM-ICU-7a**  **(n=518)\*** | **DRS-R-98b**  **(n=465)#** | **Delirium duration (days)**  **(n=518)\*** |
|  | **OR (95% CI)** | **OR (95% CI)** | **OR (95% CI)** |
| Age | 0.99 (0.97 – 1.01) | 0.98 (0.96 – 1.00) | 1.00 (0.98 – 1.02) |
| Female | 1.34 (0.71 – 2.51) | 1.50 (0.74 – 3.05) | 1.20 (0.66 – 2.16) |
| African-American | 0.72 (0.38 – 1.35) | 0.69 (0.33 – 1.41) | 0.82 (0.45 – 1.48) |
| APACHE IIc | 1.03 (0.99 – 1.07) | 1.05 (1.00 – 1.09) | 1.02 (0.98 – 1.06) |
| Charlson’s  Comorbidity Index | **1.19 (1.08** – **1.31)** | **1.19 (1.08 – 1.32)** | **1.20 (1.09** – **1.31)** |
| Delirium Severity/Duration+ | **1.47 (1.30** – **1.66)** | **1.11 (1.04 – 1.17)** | 1.05 (0.98 – 1.11) |
| AUCd | 0.785 | 0.727 | 0.685 |
|  | **Discharged Home** | | |
|  | **CAM-ICU-7**  **(n=461)\*** | **DRS-R-98**  **(n=434)#** | **Delirium duration (days)**  **(n=461)\*** |
|  | **OR (95% CI)** | **OR (95% CI)** | **OR (95% CI)** |
| Age | **0.96 (0.95 – 0.98)** | **0.96 (0.95 – 0.98)** | **0.96 (0.94 – 0.97)** |
| Female | 1.01 (0.66 – 1.55) | 0.88 (0.57 – 1.36) | 1.00 (0.65 – 1.54) |
| African-American | 0.88 (0.57 – 1.34) | 0.87 (0.56 – 1.34) | 0.84 (0.55 – 1.29) |
| APACHE II | **0.96 (0.93 – 0.98)** | **0.96 (0.93 – 0.98)** | **0.96 (0.93 – 0.99)** |
| Charlson’s  Comorbidity Index | 0.97 (0.89 – 1.05) | 0.97 (0.90 – 1.06) | 0.96 (0.88 – 1.05) |
| Delirium Severity/Duration+ | **0.80 (0.72 – 0.90)** | **0.92 (0.88 – 0.97)** | **0.87 (0.82** – **0.93)** |
| AUC | 0.747 | 0.743 | 0.765 |

a CAM-ICU-7: Confusion Assessment Method for the Intensive Care Unit-7

b DRS-R-98: Delirium Rating Scale Revised

cAPACHE: Acute Physiology and Chronic Health Evaluation Score; dAUC: Area under the curve

+ Delirium severity measured through CAM-ICU-7 (Column 2) and DRS-R-98 (Column 3). Delirium duration measured in days (Column 4)

\* Data from the whole cohort. # Data from patients in whom DRS-R-98 was calculated.