Supplemental Table 4: Influence on Survival of Group Baseline Characteristics (groups analyzed separately).

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| --- | --- | --- |
| Covariate | DEF group | EPI group |
|  | Odds Ratio 95% ConfidenceInterval  |  | Odds Ratio95% ConfidenceInterval |
| p-value | Odds Ratio | Lower Limit | Upper Limit | p-value | Odds Ratio | Lower Limit | Upper Limit |
| Age | <0.0005 | 0.99 | 0.98 | 0.99 | <0.0005 | 0.98 | 0.98 | 0.99 |
| Initial Rhythm | <0.0005 |  |  |  | <0.0005 |  |  |  |
|  Asystole |  | Reference |  | Reference |
|  AIVR | 0.138 | 1.55 | 0.42 | 2.76 | 0.771 | 0.98 | 0.82 | 1.16 |
|  PEA | 0.257 | 0.85 | 0.64 | 1.13 | 0.597 | 0.98 | 0.92 | 1.05 |
|  VF | <0.0005 | 2.49 | 2.01 | 3.08 | 0.014 | 1.21 | 1.04 | 1.41 |
|  Pulseless VT | <0.0005 | 2.31 | 1.85 | 2.88 | <0.0005 | 1.47 | 1.25 | 1.74 |
| Gender | 0.029 | 1.11 | 1.01 | 1.213 | 0.001 | 1.11 | 1.05 | 1.18 |
| Race | <0.0005 |  |  |  | <0.0005 |  |  |  |
|  White |  | Reference |  | Reference |
|  Black | <0.0005 | 0.72 | 0.62 | 0.83 | <0.0005 | 0.81 | 0.75 | 0.88 |
| Monitored | 0.981 | 1.01 | 0.67 | 1.50 | 0.118 | 0.85 | 0.70 | 1.04 |
| Illness Category | <0.0005 |  |  |  | <0.0005 |  |  |  |
|  Medical-Cardiac |  | Reference |  | Reference |
|  Medical-Noncardiac | <0.0005 | 0.62 | 0.54 | 0.70 | 0.044 | 0.92 | 0.85 | 0.99 |
|  Surgical-Cardiac | <0.0005 | 1.79 | 1.53 | 2.09 | <0.0005 | 2.10 | 1.88 | 2.34 |
|  Surgical-Noncardiac | 0.001 | 0.73 | 0.60 | 0.89 | <0.0005 | 1.33 | 1.19 | 1.48 |
|  Trauma | <0.0005 | 0.37 | 0.21 | 0.64 | 0.225 | 0.85 | 0.66 | 1.10 |
| Location | <0.0005 |  |  |  | <0.0005 |  |  |  |
|  ICU |  | Reference |  | Reference |
|  Emergency Department | <0.0005 | 1.35 | 1.17 | 1.57 | 0.010 | 1.150 | 1.034 | 1.278 |
|  General Ward | 0.279 | 0.87 | 0.67 | 1.13 | 0.600 | 1.039 | 0.901 | 1.245 |
|  Telemetry | 0.063 | 1.15 | 0.99 | 1.33 | 0.020 | 1.126 | 1.019 | 1.245 |
|  CCU | 0.550 | 1.07 | 0.87 | 1.31 | 0.005 | 1.237 | 1.066 | 1.434 |
|  Adult ICU | <0.0005 | 1.40 | 1.20 | 1.62 | <0.0005 | 1.203 | 1.098 | 1.317 |
| AED used | 0.098 |  |  |  | 0.001 |  |  |  |
|  Yes |  | Reference |  | Reference |
|  No | 0.056 | 0.86 | 0.74 | 1.00 | 0.003 | 1.186 | 1.059 | 1.329 |
|  Not applicable | 0.033 | 0.85 | 0.73 | 0.99 | 0.223 | 1.075 | 0.957 | 1.208 |
| Non-stroke CNS Event | 0.039 | 0.82 | 0.67 | 0.99 | 0.530 | 0.966 | 0.868 | 1.076 |
| Acute Stroke | 0.356 | 0.89 | 0.70 | 1.14 | 0.027 | 0.841 | 0.721 | 0.981 |
| Arrhythmia | <0.0005 | 1.38 | 1.26 | 1.52 | 0.001 | 1.118 | 1.047 | 1.193 |
| Baseline CNS Dysfunction | 0.202 | 0.90 | 0.77 | 1.06 | 0.957 | 0.998 | 0.911 | 1.092 |
| CHF this admission | 0.280 | 0.94 | 0.84 | 1.05 | 0.154 | 1.061 | 0.978 | 1.152 |
| CHF prior admission | 0.138 | 0.92 | 0.82 | 1.03 | 0.806 | 0.990 | 0.915 | 1.072 |
| Diabetes Mellitus | 0.051 | 0.91 | 0.82 | 1.00 | <0.0005 | 1.317 | 1.233 | 1.406 |
| Hepatic Insufficiency | <0.0005 | 0.63 | 0.50 | 0.80 | <0.0005 | 0.676 | 0.593 | 0.772 |
| Hypotension | <0.0005 | 0.53 | 0.47 | 0.59 | <0.0005 | 0.727 | 0.677 | 0.780 |
| Trauma | 0.001 | 0.47 | 0.30 | 0.74 | 0.019 | 0.769 | 0.617 | 0.958 |
| Metastatic Malignancy | <0.0005 | 0.57 | 0.49 | 0.71 | <0.0005 | 0.568 | 0.509 | 0.633 |
| Metabolic/Electrolyte Abnormality | 0.342 | 0.94 | 0.82 | 1.07 | 0.013 | 0.901 | 0.830 | 0.978 |
| AMI this admission | <0.0005 | 1.20 | 1.08 | 1.33 | 0.491 | 0.971 | 0.893 | 1.056 |
| MI prior admission | 0.908 | 0.99 | 0.90 | 1.10 | 0.735 | 0.986 | 0.908 | 1.071 |
| Pneumonia | 0.512 | 0.95 | 0.80 | 1.12 | 0.018 | 1.114 | 1.018 | 1.220 |
| Renal Insufficiency | <0.0005 | 0.66 | 0.59 | 0.73 | 0.193 | 0.955 | 0.890 | 1.024 |
| Respiratory Insufficiency | <0.0005 | 0.83 | 0.75 | 0.91 | <0.0005 | 1.132 | 1.064 | 1.205 |
| Sepsis | 0.005 | 0.78 | 0.65 | 0.93 | <0.0005 | 0.768 | 0.699 | 0.843 |
| Mechanical Ventilation | <0.0005 | 0.49 | 0.43 | 0.55 | <0.0005 | 0.578 | 0.537 | 0.622 |
| Arterial Catheter | 0.165 | 1.12 | 0.95 | 1.32 | <0.0005 | 1.310 | 1.182 | 1.452 |
| Pacemaker | 0.252 | 0.91 | 0.77 | 1.07 | 0.568 | 1.035 | 0.920 | 1.165 |
| Chest Tube | <0.0005 | 1.96 | 1.55 | 2.50 | <0.0005 | 1.333 | 1.153 | 1.540 |
| Dialysis | 0.135 | 0.81 | 0.61 | 1.07 | 0.002 | 0.772 | 0.653 | 0.913 |
| Internal Cardiac Defibrillator | 0.008 | 0.66 | 0.49 | 0.09 | 0.181 | 0.848 | 0.866 | 1.080 |
| Pulmonary Artery Catheter | 0.122 | 1.19 | 0.96 | 1.48 | 0.001 | 1.288 | 1.103 | 1.504 |
| Amiodarone Infusion | 0.096 | 1.15 | 0.98 | 1.36 | 0.567 | 1.051 | 0.887 | 1.245 |
| Lidocaine Infusion | 0.234 | 1.15 | 0.91 | 1.45 | 0.109 | 1.245 | 0.952 | 1.628 |
| Dopamine Infusion | <0.0005 | 0.50 | 0.43 | 0.57 | <0.0005 | 0.588 | 0.534 | 0.646 |
| Dobutamine Infusion | 0.137 | 0.85 | 0.69 | 1.05 | 0.324 | 0.921 | 0.781 | 1.085 |
| Epinephrine Infusion | <0.0005 | 0.58 | 0.44 | 0.75 | <0.0005 | 0.630 | 0.525 | 0.757 |
| Nitroglycerin Infusion | <0.0005 | 1.58 | 1,25 | 1.99 | 0.571 | 1.071 | 0.846 | 1.355 |
| Norepinephrine Infusion | <0.0005 | 0.48 | 0.39 | 0.60 | <0.0005 | 0.469 | 0.412 | 0.534 |
| Phenylephrine Infusion | <0.0005 | 0.54 | 0.39 | 0.74 | <0.0005 | 0.546 | 0.445 | 0.668 |

Abbreviations: DEF group = patient group treated with defibrillation, EPI group = patient group treated with epinephrine, AIVR= accelerated idioventricular rhythm, PEA= pulseless electrical activity, SVT= supraventricular tachycardia, VF= ventricular fibrillation, VT= ventricular tachycardia. For factors with more than one category, results for categories comprising less than three percent of either group are omitted, as are results for unknown values.

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