Supplemental Table 2. Logistic regression of propensity matching of patients with steroid use prior to cardiac arrest

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| --- | --- | --- | --- |
| **Baseline characteristics** |  | **Odds ratio(95% CI)** | **P** |
| Age (years) |  | 0.999 (0.995~1.002) | 0.4483 |
| Gender (Male) |  | 1.013 (0.909~1.129) | 0.8163 |
| Presenting complaint |  |  |  |
|  | Cardiac event | 1 |  |
|  | Respiratory event | 1.179 (0.978~1.422) | 0.085 |
|  | Other event | 0.966 (0.816~1.144) | 0.692 |
|  | Unknown | 0.869 (0.751~1.006) | 0.0603 |
| Diabetes mellitus |  | 1.008 (0.897~1.131) | 0.8992 |
| Hypertension |  | 1.013 (0.902~1.137) | 0.8304 |
| Coronary artery disease |  | 0.845 (0.741~0.964) | 0.0125 |
| Heart failure |  | 0.921 (0.797~1.064) | 0.2645 |
| Atrial fibrillation |  | 0.91 (0.746~1.111) | 0.3551 |
| Chronic kidney disease |  | 0.839 (0.715~0.984) | 0.0311 |
| Malignancy |  | 0.814 (0.708~0.936) | 0.0039 |
| Chronic obstructive lung disease |  | 1.273 (1.125~1.441) | 0.0001 |
| Asthma |  | 1.593 (1.359~1.866) | <.0001 |
| Adrenal insufficiency |  | 1.531 (0.977~2.4) | 0.0634 |
| Autoimmune disease |  | 1.825 (1.345~2.477) | 0.0001 |
| Shockable rhythm |  | 0.941 (0.831~1.066) | 0.3417 |
| Epinephrine dose (mg) |  | 0.971 (0.961~0.982) | <.0001 |
| Vasopressin |  | 1.998 (0.625~6.393) | 0.2432 |
| Tertiary medical center |  | 1.451 (1.267~1.663) | <.0001 |
| Urbanization level of residence |  |  |  |
|  | 1 (high) | 1 |  |
|  | 2 | 0.885 (0.74~1.058) | 0.1801 |
|  | 3 | 0.86 (0.738~1.003) | 0.0548 |
|  | ≥ 4 (low) | 0.916 (0.744~1.127) | 0.4064 |
| Geographic distribution |  |  |  |
|  | Taipei | 1.374 (1.048~1.801) | 0.0215 |
|  | Northern | 1.243 (0.925~1.67) | 0.1494 |
|  | Central | 1.385 (1.061~1.81) | 0.0167 |
|  | Southern | 2.467 (1.826~3.332) | <.0001 |
|  | Kaopin | 1.236 (0.907~1.683) | 0.1798 |
|  | Eastern | 1 |  |
| year |  |  |  |
|  | 2004 | 1 |  |
|  | 2005 | 1.024 (0.794~1.32) | 0.8573 |
|  | 2006 | 1.505 (1.186~1.909) | 0.0008 |
|  | 2007 | 1.494 (1.182~1.889) | 0.0008 |
|  | 2008 | 1.819 (1.442~2.295) | <.0001 |
|  | 2009 | 1.922 (1.527~2.421) | <.0001 |
|  | 2010 | 1.923 (1.524~2.427) | <.0001 |
|  | 2011 | 2.133 (1.691~2.69) | <.0001 |

Hosmer-Lemeshow goodness-of-fit test statistic =7.507; degrees of freedom = 8; P =0.483