Supplemental Table 3. Logistic regression of propensity matching of patients without steroid use prior to cardiac arrest

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| --- | --- | --- | --- |
| **Baseline characteristics** |  | **Odds ratio(95% CI)** | **P** |
| Age (years) |  | 0.997 (0.994~0.999) | 0.0141 |
| Gender (Male) |  | 0.997 (0.916~1.086) | 0.9521 |
| Presenting complaint |  |  |  |
|  | Cardiac event | 1 |  |
|  | Respiratory event | 1.229 (1.05~1.438) | 0.0103 |
|  | Other event | 0.98 (0.862~1.114) | 0.7590 |
|  | Unknown | 1.033 (0.925~1.154) | 0.5599 |
| Diabetes mellitus |  | 1.013 (0.919~1.117) | 0.7900 |
| Hypertension |  | 0.958 (0.874~1.051) | 0.3679 |
| Coronary artery disease |  | 0.93 (0.824~1.048) | 0.2339 |
| Heart failure |  | 0.911 (0.784~1.059) | 0.2238 |
| Atrial fibrillation |  | 0.88 (0.701~1.104) | 0.2700 |
| Chronic kidney disease |  | 0.913 (0.789~1.056) | 0.2212 |
| Malignancy |  | 0.851 (0.717~1.011) | 0.0661 |
| Chronic obstructive lung disease |  | 1.216 (1.053~1.405) | 0.0079 |
| Asthma |  | 1.449 (1.101~1.906) | 0.0080 |
| Adrenal insufficiency |  | 3.054 (0.975~9.565) | 0.0553 |
| Autoimmune disease |  | 1.435 (0.811~2.54) | 0.2149 |
| Shockable rhythm |  | 0.913 (0.83~1.004) | 0.0607 |
| Epinephrine dose (mg) |  | 0.98 (0.972~0.987) | <.0001 |
| Vasopressin |  | 1.691 (0.837~3.414) | 0.1429 |
| Tertiary medical center |  | 1.297 (1.168~1.44) | <.0001 |
| Urbanization level of residence |  |  |  |
|  | 1 (high) | 1 |  |
|  | 2 | 0.915 (0.794~1.054) | 0.2171 |
|  | 3 | 0.791 (0.698~0.896) | 0.0002 |
|  | ≥ 4 (low) | 0.873 (0.738~1.033) | 0.1126 |
| Geographic distribution |  |  |  |
|  | Taipei | 1.165 (0.953~1.424) | 0.1362 |
|  | Northern | 1.193 (0.959~1.484) | 0.1125 |
|  | Central | 1.4 (1.147~1.709) | 0.0009 |
|  | Southern | 1.79 (1.425~2.249) | <.0001 |
|  | Kaopin | 1.198 (0.944~1.522) | 0.1374 |
|  | Eastern | 1 |  |
| year |  |  |  |
|  | 2004 | 1 |  |
|  | 2005 | 1.084 (0.897~1.311) | 0.4031 |
|  | 2006 | 1.156 (0.962~1.39) | 0.1223 |
|  | 2007 | 1.336 (1.116~1.599) | 0.0016 |
|  | 2008 | 1.256 (1.05~1.503) | 0.0126 |
|  | 2009 | 1.354 (1.134~1.617) | 0.0008 |
|  | 2010 | 1.55 (1.301~1.848) | <.0001 |
|  | 2011 | 1.405 (1.174~1.681) | 0.0002 |

Hosmer-Lemeshow goodness-of-fit test statistic = 9.523 ; degrees of freedom = 8; P =0.3001