Supplemental Table 1. Logistic regression of propensity matching of total patients

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| **Baseline characteristics** |  | **Odds ratio(95% CI)** | **P** |
| Age (years) |  | 0.997 (0.995~0.999) | 0.0107 |
| Gender (Male) |  | 1.004 (0.939~1.073) | 0.9151 |
| Presenting complaint |  |  |  |
|  | Cardiac event | 1 |  |
|  | Respiratory event | 1.217 (1.08~1.372) | 0.0013 |
|  | Other event | 0.978 (0.884~1.083) | 0.6695 |
|  | Unknown | 0.972 (0.89~1.061) | 0.5233 |
| Diabetes mellitus |  | 1.006 (0.934~1.083) | 0.8828 |
| Hypertension |  | 0.98 (0.912~1.053) | 0.5753 |
| Coronary artery disease |  | 0.889 (0.813~0.971) | 0.0089 |
| Heart failure |  | 0.917 (0.827~1.017) | 0.1027 |
| Atrial fibrillation |  | 0.906 (0.781~1.051) | 0.1937 |
| Chronic kidney disease |  | 0.885 (0.795~0.985) | 0.0257 |
| Malignancy |  | 0.829 (0.745~0.922) | 0.0006 |
| Chronic obstructive lung disease |  | 1.252 (1.141~1.374) | <.0001 |
| Asthma |  | 1.533 (1.339~1.755) | <.0001 |
| Adrenal insufficiency |  | 1.723 (1.138~2.607) | 0.0101 |
| Autoimmune disease |  | 1.75 (1.343~2.281) | <.0001 |
| Steroid use prior to cardiac arrest (1-year) |  | 1.226 (1.141~1.318) | <.0001 |
| Shockable rhythm |  | 0.924 (0.857~0.996) | 0.0389 |
| Epinephrine dose (mg) |  | 0.977 (0.971~0.983) | <.0001 |
| Vasopressin |  | 1.779 (0.978~3.236) | 0.0591 |
| Tertiary medical center |  | 1.352 (1.244~1.468) | <.0001 |
| Urbanization level of residence |  |  |  |
|  | 1 (high) | 1 |  |
|  | 2 | 0.904 (0.809~1.01) | 0.0743 |
|  | 3 | 0.817 (0.742~0.9) | <.0001 |
|  | ≥ 4 (low) | 0.888 (0.779~1.012) | 0.0749 |
| Geographic distribution |  |  |  |
|  | Taipei | 1.229 (1.046~1.443) | 0.0120 |
|  | Northern | 1.206 (1.012~1.436) | 0.0363 |
|  | Central | 1.382 (1.178~1.62) | <.0001 |
|  | Southern | 2.02 (1.685~2.42) | <.0001 |
|  | Kaopin | 1.2 (0.994~1.448) | 0.0580 |
|  | Eastern | 1 |  |
| year |  |  |  |
|  | 2004 | 1 |  |
|  | 2005 | 1.065 (0.915~1.24) | 0.4143 |
|  | 2006 | 1.277 (1.104~1.477) | 0.0010 |
|  | 2007 | 1.39 (1.205~1.603) | <.0001 |
|  | 2008 | 1.441 (1.251~1.661) | <.0001 |
|  | 2009 | 1.55 (1.347~1.783) | <.0001 |
|  | 2010 | 1.679 (1.46~1.932) | <.0001 |
|  | 2011 | 1.646 (1.428~1.896) | <.0001 |

Hosmer-Lemeshow goodness-of-fit test statistic = 8.013 ; degrees of freedom = 8; P =0.4322