**Supplementary Table 1.** Multivariable logistic regression analysis of total cholesterol for OHCA (with potential confounder variables)

|                          | Adjusted OR<sup>a</sup> | 95% CI       |
|--------------------------|--------------------------|--------------|
| **Total cholesterol level (mg/dL)** |                          |              |
| < 148                    | 6.53                     | 4.47–9.56    |
| 148–166.9                | 1.67                     | 1.10–2.53    |
| 167–189.9                | 1.00                     |              |
| 190–215.9                | 0.75                     | 0.49–1.15    |
| 216–237.9                | 0.62                     | 0.35–1.10    |
| ≥ 238                    | 0.44                     | 0.22–0.87    |
| **Diabetes mellitus**    |                          |              |
| Yes                      | 0.97                     | 0.66–1.42    |
| No                       | 1.00                     |              |
| **Hypertension**         |                          |              |
| Yes                      | 1.39                     | 1.02–1.89    |
| No                       | 1.00                     |              |
| **Smoking history**      |                          |              |
| Current smoker           | 0.78                     | 0.54–1.12    |
| Ex-smoker                | 0.32                     | 0.21–0.49    |
| Never-smoker             | 1.00                     |              |
| **Alcohol use**          |                          |              |
| Frequent drinker         | 0.26                     | 0.17–0.40    |
| Occasional drinker       | 0.53                     | 0.39–0.73    |
| Never drinker            | 1.00                     |              |
| **Exercise habits**      |                          |              |
| High-intensity (≥ once per week) | 1.00               |              |
| Medium-intensity (≥ once per week) | 3.55                  | 1.76–7.16    |
| Rarely                   | 0.52                     | 0.29–0.97    |
| **Sleeping (hr/night)** |                          |              |
| 0–5.9                    | 0.56                     | 0.36–0.87    |
| 6–7.9                    | 1.00                     |              |
| ≥ 8                      | 1.94                     | 1.46–2.58    |
| **Body mass index (kg/m²)** |                      |              |
| 10.5–18.4                | 1.42                     | 0.81–2.48    |
| 18.5–24.9                | 1.00                     |              |
| 25–50                    | 0.70                     | 0.52–0.95    |
| **Hemoglobin level (g/dL)** |                      |              |
| < 12                     | 3.29                     | 2.27–4.77    |
| ≥ 12                     | 1.00                     |              |
| **Creatinine level (mg/dL)** |                      |              |
| < 1.3                    | 1.00                     |              |
| 1.3–1.9                  | 20.20                    | 13.8–29.5    |
| ≥ 2.0                    | 56.00                    | 23.8–131.8   |

OHCA, out-of-hospital cardiac arrest; OR, odds ratio; CI, confidence interval.

<sup>a</sup>Adjusted for body mass index, diabetes mellitus, hypertension, sleeping hours/night, smoking history, alcohol use, exercise habit, hemoglobin level, and creatinine level.