Supplementary Table 1. Categorization of study patients according to the International Classification of Diseases (10th version).

|  |  |  |
| --- | --- | --- |
| Process | Diagnosis | ICD-10 code |
| Exclusion | Frost injury | T33–T35 |
| Hypothermia | T68, T69 |
| Drowning | T751 |
| Heat related illness | T67 |
| Burn | T20–T32 |
| Subgroup | Infection | A00–A99, B00–B99, G00–G09, J00–J18, J36, J440, J85, J86, K29, K35–K37, K57, K61, K65, K80, M00–M02, N10, N41, N45, N61, N70–N74, R65 |
| Cerebrovascular accident | I60–I69 |
| Traumatic brain injury | S02–S08, S06–S08 |

Supplementary Table 2. Categorization of continuous variables.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category | Systolic blood pressure (mmHg) | Heart rate (per minute) | Respiratory rate (per minute) | Body temperature (°C) | Age (years) |
| 1 | >220 | >130 | >24 | >40.0 | >90 |
| 2 | 201–220 | 121–130 | 21–24 | 40.0–39.5 | 80–89 |
| 3 | 181–200 | 111–120 | 18–20\* | 39.5–39.0 | 70–79 |
| 4 | 161–180 | 101–110 | 15–17 | 39.0–38.5 | 60–69 |
| 5 | 141–160 | 91–100 | 12–14 | 38.5–38.0 | 50–59 |
| 6 | 121–140\* | 81–90 | 9–11 | 38.0–37.5 | 40–49 |
| 7 | 111–120 | 71–80\* | ≤8 | 37.5–37.0 | 30–39 |
| 8 | 101–110 | 61–70 |   | 37.0–36.5\* | <30\* |
| 9 | 91–100 | 51–60 | 　 | 36.5–36.0 | 　 |
| 10 | 81–90 | 41–50 | 　 | 36.0–35.5 | 　 |
| 11 | 71–80 | 31–40 | 　 | 35.5–35.0 | 　 |
| 12 | 61–70 | ≤30 | 　 | 35.0–34.5 | 　 |
| 13 | 51–60 | 　 | 　 | 34.5–34.0 | 　 |
| 14 | ≤50 | 　 | 　 | ≤34.0 | 　 |

\* Reference range



**Supplementary Fig. 3.** Distribution of systolic blood pressure, heart rate, respiratory rate, and body temperature.