**Appendix2: Stepwise logistic regression analysis of related factors for earthquake inpatient death**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Related factors** | **First Step** | |  | **Last Step** | |
|  | OR | 95% C.I. |  | OR | 95% C.I. |
| young age (age≤15 years) | 0.624 | 0.372-1.046 |  | removed |  |
| old age (age≥65 years) | 2.031 | 1.513-2.726 |  | 2.169 | 1.626-2.893 |
| female patients | 0.809 | 0.619-1.057 |  | removed |  |
| ICU admission | 2.382 | 1.662-3.414 |  | 2.369 | 1.656-3.389 |
| severe poly-trauma | 1.214 | 0.859-1.715 |  | removed |  |
| severe TBI | 36.811 | 23.205-58.395 |  | 31.913 | 20.484-49.72 |
| trunk injury | 0.998 | 0.695-1.431 |  | removed |  |
| MSOF | 30.760 | 21.574-43.858 |  | 30.905 | 21.733-43.947 |
| crush syndrome | 2.899 | 1.885-4.461 |  | 2.88 | 1.882-4.408 |
| pre-hospital treatment | 2.063 | 1.046-4.066 |  | removed |  |
| Infection | 0.835 | 0.588-1.184 |  | removed |  |
| cardiac/respiratory disease | 4.666 | 3.311-6.576 |  | 4.427 | 3.259-6.014 |
| Constant | 0.003 |  |  | 0.003 |  |

\*p<0.05

OR. Odds ratio

95% C.I. 95% confidence intervals

ICU: intensive care unit

TBI: traumatic brain injury

MSOF: multiple system organ failure