# Online appendix

**Online appendix 1: Multivariate analysis for the prehospital ROSC outcome, adjusted for the number of shocks, demographic and prehospital variables**

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| Variables | AOR (95% CI) | P value |
| Number of shocks (1 more shock) | 0.85 (0.82-0.88) | < 0.001 |
| Age (1 year older) | 0.98 (0.98-0.99) | < 0.001 |
| Gender, male sex | 0.78 (0.59-1.04) | 0.094 |
| Initial call between 8 am and 4 pm Initial call between 4 pm and 12 am Initial call between 12 am and 8 am | \* 0.92 (0.71-1.20) 0.78 (0.57-1.08) | - 0.54 0.13 |
| Unwitnessed arrest  Bystander witnessed  First responder or paramedic witnessed | \* 2.52 (1.88-3.40) 4.73 (2.99-7.49) | - < 0.001 < 0.001 |
| No bystander CPR  Bystander CPR  First responder or paramedic witnessed | \* 1.34 (1.04-1.72) † | - 0.022 † |
| Presence of first responders | 0.92 (0.72-1.18) | 0.52 |
| Presence of advanced care paramedics | 3.88 (2.96-5.08) | < 0.001 |
| Intubation using an esophageal tracheal airway | 0.13 (0.10-0.17) | < 0.001 |
| Delay from call to arrival of EMS personnel (1 more minute before their arrival) | 0.97 (0.94-0.99) | 0.011 |
| ROSC: Return of spontaneous circulation; AOR: Adjusted odds ratio; CI: Confidence interval; CPR: Cardiopulmonary resuscitation  \* Reference category † Not calculated due to collinearity | | |

**Online appendix 2: Resuscitation Outcomes of Patients with an Initial Shockable Rhythm, Including Only Patients Having Experienced Prehospital Return of Spontaneous Circulation**

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| Variables | Patients having experienced prehospital ROSC (n=961) | Two prehospital shocks or less (n=641) | Three prehospital shocks or more (n=320) | p-value |
| Survival to hospital discharge (N, %) | 556 (58) | 396 (62) | 160 (50) | < 0.001 |
| Number of prehospital shocks administered (median, Q1-Q3) | 2 (1-3) | 1 (0-2) | 4 (3-6) | < 0.001 |
| ROSC: Return of spontaneous circulation | | | | |