Supplemental Table 10: Point-wise multivariable logistic regression for time to initiation of CPR in the DEF group excluding values of zero.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| TTC | Actual | | | Analysis | | | |
| Min | N | Survivors | Survival Probability |  | | Odds Ratio  95% Confidence Interval | |
|  |  |  |  | p-value | Odds Ratio | Lower Limit | Upper Limit |
| 1 | 249 | 107 | 0.430 |  |  |  |  |
| 2 | 74 | 21 | 0.284 | 0.105 | 0.46 | 0.18 | 1.18 |
| 3 | 33 | 7 | 0.212 | 0.006 | 0.17 | 0.05 | 0.60 |
| 4 | 88 | 3 | 0.375 | 0.243 | 0.30 | 0.04 | 2.27 |
| 5 | 16 | 4 | 0.250 | 0.079 | 0.19 | 0.03 | 1.21 |
| 6 | 5 | 2 | 0.400 | 0.661 | 0.49 | 0.02 | 12.08 |

Abbreviations: DEF group = patient group treated with defibrillation, TTC = Time to initiation of CPR, TFC = Time from CPR to treatment. CPR = cardiopulmonary resuscitation. In point-wise sensitivity analysis (when values of zero for TTC were excluded), in the DEF subgroup (n=385), there was no significant effect (overall effect p=0.055) on survival with increasing TTC. There was a significant decrease in survival at TTC of 3 minutes (p=0.006) as compared to 1 minute. Our analyses were done both with and without TTC or TFC values equal to zero for two reasons. First, the potential exists for inadvertent recording of exactly the same times for pulselessness and for the beginning of chest compressions (TTC of 0) or the same times for the beginning of chest compressions and either defibrillation or epinephrine administration (TFC of 0). Second, the trend toward reduction in survival in the DEF group at zero as compared to one min (Supplemental Table 6, Supplemental Digital Content 6) also suggests the possibility that some of the times recorded as zero are inaccurate. Delays were shorter in ICUs, and mortality was greater in ICU patients, which could result in decreased survival at zero as compared to one min. However, stratification into ICU and non-ICU patients did not remove this effect. The Hosmer-Lemeshow test results for exclusion of zero in point-wise analysis: Overall cohort: p = 0.033, DEF group: p = 0.367.