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| Division of Biostatistics Medical College of Wisconsin Milwaukee, WI |

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| **Date:** June 18, 2023   **To:** Aniko Szabo  IHE, Division of Biostatistics  **From:** Ryan Gallagher  **Re:** Assessments 1-3 for Aufderheide Project |
| **Methods** |
| All tables were generated using the dangast macro. Each table is made for each assessment specified in the sent document. Some questions: Should I include the 'Total' column in these tables? Should I edit any of the variable names in the .rtf? Or should I leave that to the PI? |

***Comparison in ECG Classification for Prehospital STEMI Patients (2-way)***

|  | **Change in ECG Classification? (Most Ischemic out-of-hospital 12-lead compared to the last ED 12-le** | | |  |
| --- | --- | --- | --- | --- |
| **Variables** | **Total N=49 (col %)** | **No N=16 (col %)** | **Yes Decreased N=33 (col %)** | **P Value** |
| **ROSC** |  |  |  | *0.044 W* |
| N | 44 | 14 | 30 |  |
| Median (min - max) | 7.0 (0.0 - 29.0) | 8.5 (0.0 - 29.0) | 5.5 (0.0 - 29.0) |  |
| **Duration\_of\_prehospital\_CPR** |  |  |  | *0.887 W* |
| N | 48 | 16 | 32 |  |
| Median (min - max) | 2.1 (1.0 - 20.0) | 1.9 (1.0 - 20.0) | 2.2 (1.0 - 13.0) |  |
| +Exact test; TT-test; WWilcoxon rank-sum test; CChi-square test; | | | | |
| Created from data set a1 on 18JUN23 | | | | |

***Comparison in ECG Classification for Prehospital Ischemic Patients (3-way)***

|  | **Change in ECG Classification? (Most Ischemic out-of-hospital 12-lead compared to the last ED 12-le** | | | |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** | **Total N=61 (col %)** | **No N=22 (col %)** | **Yes Decreased N=36 (col %)** | **Yes Increased N=3 (col %)** | **P Value** |
| **ROSC** |  |  |  |  | *0.736 K* |
| N | 54 | 20 | 31 | 3 |  |
| Median (min - max) | 6.5 (0.0 - 22.0) | 5.5 (0.0 - 15.0) | 7.0 (1.0 - 22.0) | 9.0 (1.0 - 11.0) |  |
| **Duration\_of\_prehospital\_CPR** |  |  |  |  | *0.165 K* |
| N | 60 | 21 | 36 | 3 |  |
| Median (min - max) | 2.7 (0.0 - 27.0) | 2.1 (1.0 - 9.7) | 4.1 (0.0 - 27.0) | 1.1 (1.1 - 2.2) |  |
| +Exact test; AANOVA F-test; KKruskal-Wallis test; CChi-square test; | | | | | |
| Created from data set a2 on 18JUN23 | | | | | |

***Comparison in ECG Classification for Prehospital Non-Ischemic Patients (3-way)'***

|  | **Change in ECG Classification? (Most Ischemic out-of-hospital 12-lead compared to the last ED 12-le** | | |  |
| --- | --- | --- | --- | --- |
| **Variables** | **Total N=66 (col %)** | **No N=52 (col %)** | **Yes Increased N=14 (col %)** | **P Value** |
| **ROSC** |  |  |  | *0.515 W* |
| N | 59 | 47 | 12 |  |
| Median (min - max) | 6.0 (0.0 - 62.0) | 6.0 (0.0 - 62.0) | 7.0 (1.0 - 38.0) |  |
| **Duration\_of\_prehospital\_CPR** |  |  |  | *0.248 W* |
| N | 66 | 52 | 14 |  |
| Median (min - max) | 2.8 (1.0 - 26.0) | 2.6 (1.0 - 26.0) | 5.2 (1.0 - 9.7) |  |
| +Exact test; TT-test; WWilcoxon rank-sum test; CChi-square test; | | | | |
| Created from data set a3 on 18JUN23 | | | | |