|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** | **Obs.** |
| **All Patients** | 31.63 (2696) | 37.73 (3217) | 29.36 (2512) | 66.89 (5687) | 0.38 (32.59) |  |
| **No** | 30.53 (2608) | 37.43 (3201) | 57.00 (4889) | 66.06 (5622) | 0.82 (70.11) |  |
| **Some** | 31.83 (2712) | 37.73 (3216) | 58.58 (5008) | 66.89 (5687) | 0.86 (73.69) |  |
| **Severe** | 33.45 (2847) | 39.14 (3331) | 52.52 (4480) | 64.90 (5528) | 5.46 (456.5) |  |
| **ORS only** | 0.15 (13.15) | 0.12 (10.8) | 0.36 (32.4) | 0.54 (48.6) | 0.02 (1.62) |  |
| **IVF only** | 3.69(305.6) | 3.53 (292.6) | 5.04 (416) | 7.94 (656.6) | 1.01 (84.59) |  |
| **ORS + IVF only** | 31.81 (2712) | 37.86 (3232) | 62.43 (5320) | 66.89 (5687) | 1.11 (96.37) |  |
| **No Fluid** |  |  |  |  |  | 20 |

6hrs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** | **Obs.** |
| **All Patients** | 10.14 (986) | 10.18 (989) | (939) | 19.12 (1727) | 6.38 (675) | 2173 |
| **No\*\*\*** | 8.78 (874) | 8.29 (834) | 3.56 (294) | 17.76 (1616) | 6.38 (676) | 431 |
| **Some** | 10.42 (1010) | 10.21 (992) | 2.59 (214) | 18.35 (1664) | 6.38 (676) | 1437 |
| **Severe** | 10.93 (1051) | 11.42 (1092) | 3.80 (314) | 19.12 (1727) | 6.48 (685) | 278 |
| **ORS only** | 6.44 (681) | 6.42 (679) | 0.08 (7.02) | 6.62 (698) | 6.38 (676) | 130 |
| **IVF only** | 8.58 (858) | 8.27 (832) | 3.15 (260) | 13.94 (1300) | 6.38 (676) | 82 |
| **ORS + IVF only** | 10.17 () | 10.18 () |  | 19.12 () | 6.38 () | 2153 |
| **No Fluid** |  |  |  |  |  | 20 |

Option 1: median, total

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** |
| **NIRUDAK** |  |  |  |  |  |
| **WHO** |  |  |  |  |  |
| **Actual** |  |  |  |  |  |

Option 2: initial recommended resuscitation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** |
| **NIRUDAK** |  |  |  |  |  |
| **WHO** |  |  |  |  |  |
| **Actual** |  |  |  |  |  |

Option 3: continuous, total (may not need this)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** |
| **NIRUDAK** |  |  |  |  |  |
| **WHO** |  |  |  |  |  |
| **Actual** |  |  |  |  |  |

Actual total fluid only costs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ORS only** | 0.15 (13) | 0.12 (11) | 0.36 (32) | 0.54 (49) | 0.02 (2) | 110 |
| **IVF only** | 3.69 (306) | 3.53 (293) | 5.04 (416) | 7.94 (656.6) | 1.01 (84.59) |  |
| **ORS + IVF only** | 31.81 (2712) | 37.86 (3232) | 62.43 (5320) | 66.89 (5687) | 1.11 (96.37) |  |
| **No Fluid** |  |  |  |  |  | 20 |

Actual 6 hr fluid only costs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ORS only** | 6.44 (681) | 6.42 (679) | 0.08 (7.02) | 6.62 (698) | 6.38 (676) | 130 |
| **IVF only** | 8.58 (858) | 8.27 (832) | 3.15 (260) | 13.94 (1300) | 6.38 (676) | 82 |
| **ORS + IVF only** | 10.17 () | 10.18 () |  | 19.12 () | 6.38 () | 2153 |
| **No Fluid** |  |  |  |  |  | 20 |

NIRUDAK classification, actual costs (hypothetical, approximation)

WHO classification, actual costs (hypothetical, approximation)

actual vs. hypotheticals

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Actual Median** | **WHO Median** | **NIRUDAK Median** | **Actual IQR** | **WHO IQR** | **NIRUDAK IQR** | **Actual Obs.** |  | **WHO Obs.** | **NIRUDAK Obs.** |
| **All Patients** | 37.73 (3217) |  |  | 29.36 (2512) |  |  | 2173 |  |  |  |
| **No** | 37.43 (3201) |  |  | 32.73 (2790) |  |  | 431 |  |  |  |
| **Some** | 37.73 (3217) |  |  | 28.77 (5008) |  |  | 1437 |  |  |  |
| **Severe** | 39.14 (3331) |  |  | 26.49 (2249) |  |  | 278 |  |  |  |

Actual vs. NIRUDAK — done

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Actual Median** | **NIRUDAK Median** | **Diff. in median** | **Actual IQR** | **NIRUDAK IQR** | **Diff. in IQR** | **Actual Total** | **NIRUDAK Total** | **Diff. in total cost** | **Actual Obs.** | **NIRUDAK Obs.** | **Diff. obs** |
| **All Patients** | 37.73 (3217) | 3.83 (316) |  | 29.36 (2512) | 23.53 (2008) |  | 68739 (5859287) | 29043 (2473248) |  | 2173 | 2139 | n/a |
| **No** | 37.43 (3201) | 0 (0) |  | 32.73 (2790) | 0 (0) |  | 13161 (1124203) | 0 (0) |  | 431 | 607 |  |
| **Some** | 37.73 (3217) | 3.34 (276) |  | 28.77 (5008) | 1.01 (83) |  | 45746 (3898177) | 2072 (171002) |  | 1437 | 624 |  |
| **Severe** | 39.14 (3331) | 36.09 (3080) |  | 26.49 (2249) | 28.51 (2450) |  | 9298 (791346) | 26971 (2302246) |  | 278 | 908 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** |
| **Actual ORS only** |  |  |  |  |  |
| **NIRUDAK Some** |  |  |  |  |  |
| **WHO Some** |  |  |  |  |  |
| **Actual IVF only** |  |  |  |  |  |
| **NIRUDAK Severe** |  |  |  |  |  |
| **WHO Severe** |  |  |  |  |  |

6hr Actual vs. NIRUDAK vs. WHO fluid only costs

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Actual Median** | **WHO Median** | **NIRUDAK Median** | **Actual IQR** | **WHO IQR** | **NIRUDAK IQR** | **Actual Total** | **WHO Total** | **NIRUDAK Total** | **Actual Obs.** | **WHO Obs.** | **NIRUDAK Obs.** |
| **All Patients** | 10.18 (989) | 4.55 (375) | 13.84 (1174) | 3.08 (255) | 3.83 (316) | 34.10 (2913) | 22032 (2143363) | 8574 (708647) | 39330 (3355529) | 2173 | 2172 | 2139 |
| **No** | 8.29 (834) | 0 (0) | 0 (0) | 3.56 (293) | 0 (0) | 0 (0) | 3784 (376805) | 0 (0) | 0 (0) | 431 | 491 | 607 |
| **Some** | 10.21 (992) | 4.45 (367) | 13.34 (1133) | 2.59 (214) | 1.32 (108) | 1.01 (83) | 14981 (1451364) | 4125 (340489) | 8312 (706207) | 1437 | 937 | 624 |
| **Severe** | 11.42 (1092) | 6.04 (500) | 34.30 (2929) | 3.80 (314) | 1.65 (136) | 1.38 (114) | 3037 (292254) | 4449 (368158) | 31018 (2649321) | 278 | 744 | 908 |

In this table, under the NIRUDAK and WHO models, patients hypothetically classified as “Severe” would only receive IVF, patients hypothetically classified as “Some” would only receive ORS, and patients hypothetically classified as “No” received no fluid. In the actual study, patients across diagnosis categories received both fluids, e.g. 1382 patients were classified as having “Some” dehydration in the actual study and received both ORS and IVF. These values include do not hospital costs or fixed costs of equipment.

NIRUDAK classification, NIRUDAK costs (fluid only) — done

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Mean** | **Median** | **IQR** | **Max** | **Min** | **Total** | **Obs.** |
| **All Patients** | 13.58 (1156) | 3.83 (316) | 23.53 (2008) | 63.67 (5443) | 0 (0) | 29043 (2473248) | 2139 |
| **No** | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 607 |
| **Some** | 3.32 (274) | 3.34 (276) | 1.01 (83) | 5.76 (475) | 0.43 (35) | 2072 (171002) | 624 |
| **Severe** | 29.70 (2535) | 36.09 (3080) | 28.51 (2450) | 63.67 (5443) | 1.57 (131) | 26971 (2302246) | 908 |

NIRUDAK classification, NIRUDAK costs (and same for WHO) — using Levine’s fixed hospitalization stays for all categories — done

Actual category total is lower b/c this takes into account diagnosis categories and there are 27 obs missing diagnosis categories

NIRUDAK costs (and same for WHO) + actual hospital costs — done

For write-up omit, totals go in separate table

Re-do totals

If you want to do ANOVA, triple the # of observations, 1 observation per Model6, WHO, etc.