**S10 Table. Pediatric Population Characteristics**

| | Entire Cohort | NNC [1] | CNS [1] | PNS [1] | P-value [2] |
|---|---|---|---|---|---|
| **All Patients, N (% of cohort)** | 2198 (100%) | 2019 (91.9%) | 163 (7.4%) | 16 (0.73%) | |
| **Sex, N (%)** | | | | | .074 |
| Female | 1026 | 954 (47.3%) | 62 (38%) | 10 (62.5%) | |
| Male | 1172 | 1065 (52.7%) | 101 (62%) | 6 (37.5%) | |
| **Age, N (%)** | | | | | |
| 0-2 | 769 | 747 (37.3%) | 22 (15.8%) | 0 (0%) | <.001* |
| 3-5 | 275 | 251 (12.5%) | 24 (17.3%) | 0 (0%) | .283 |
| 6-11 | 403 | 368 (18.4%) | 33 (23.7%) | 2 (16.7%) | .763 |
| 12-17 | 707 | 637 (31.8%) | 60 (43.2%) | 10 (83.3%) | .039* |
| **Race, N (%)** | | | | | |
| American Indian | 1 | 1 (0%) | 0 (0%) | 0 (0%) | .957 |
| Asian | 61 | 52 (2.6%) | 9 (5.8%) | 0 (0%) | .119 |
| Black | 184 | 166 (8.3%) | 16 (10.4%) | 2 (12.5%) | .763 |
| Hawaiian/Pacific Islander | 1 | 1 (0%) | 0 (0%) | 0 (0%) | .957 |
| Hispanic/Latino | 20 | 20 (1%) | 0 (0%) | 0 (0%) | .502 |
| White | 665 | 608 (30.2%) | 47 (30.5%) | 10 (62.5%) | .048* |
| Other / Not Recorded | 1249 | 1163 (57.8%) | 82 (53.2%) | 4 (25%) | .024* |
| **Pre-admission Elixhauser score, Mean (SD) [3]** | 2.2 (4.5) | 0 (0) | 4.4 (9.2) | 2.5 (3.6) | .074 |
| **Pre-admission Conditions (Selected), N (%) [4]** | | | | | |
| Alcohol abuse | 212 | 186 (9.2 %) | 25 (15.3 %) | 1 (6.2 %) | <.001* |
| Drug abuse | 207 | 190 (9.4 %) | 16 (9.8 %) | 1 (6.2 %) | <.001* |
| Weight loss | 123 | 109 (5.4 %) | 13 (8 %) | 1 (6.2 %) | <.001* |
| Cardiac arrhythmias | 109 | 94 (4.7 %) | 12 (7.4 %) | 3 (18.8 %) | <.001* |
| **Number of pre-admission CNS codes, Mean (SD) [3]** | 0.2 (0.7) | 0.1 (0.2) | 1.9 (3.9) | 0 (0) | .211 |
| **Number of pre-admission PNS codes, Mean (SD) [3]** | 0 (0) | 0 (0) | 0 (0) | 0.2 (0.6) | .067 |
| **Severe Status, N (%)** | | | | | <.001* |
| Non-Severe | 1674 | 1590 (78.5%) | 72 (48.6%) | 12 (70.6%) | |
| Severe | 517 | 436 (21.5%) | 76 (51.4%) | 5 (29.4%) | |
| **Time to severe status, Mean days (SD) [3]** | 2.4 (5.3) | 3.8 (9.5) | 10.8 (33.1) | 0.9 (2.5) | .269 |
| **Survival, N (%)** | | | | | <.001* |
| Alive | 2164 | 2001 (99%) | 145 (94.2%) | 18 (100%) | |
| Deceased | 29 | 20 (1%) | 9 (5.8%) | 0 (0%) | |
| **Time to death, Mean days (SD) [3]** | 12.6 (36.3) | 53.5 (76.3) | 5.8 (10.2) | 95 (268.7) | .269 |
| **Time to discharge, Mean days (SD) [3]** | 5.1 (4.2) | 3.8 (4.2) | 5.8 (2.7) | 5.9 (4.5) | .082 |
| **Readmission, N (%)** | | | | | .957 |
| Not Readmitted | 1844 | 1707 (84.8%) | 123 (83.7%) | 14 (82.4%) | |
| Readmitted | 332 | 305 (15.2%) | 24 (16.3%) | 3 (17.6%) | |
| **Time to first readmission, Mean days (SD) [3]** | 20 (20.2) | 20.1 (19) | 75.3 (86) | 14.4 (22.8) | .171 |
| **Number of readmissions, Mean (SD) [3]** | 0.1 (0.3) | 0 (0) | 0.2 (0.4) | 0.4 (0.5) | .082 |

Notes:

1. Neurological status during acute COVID-19 hospitalization: NNC=No Neurological Condition; CNS=Central Nervous System diagnosis; PNS=Peripheral Nervous System diagnosis.
2. P-values were adjusted with the Benjamini-Hochberg method to control the false discovery rate when evaluating the distribution (categorical variables) or means (continuous variables) of characteristics stratified by neurological status. P-values < .05 were deemed significant and designated with asterisk (*).
3. Continuous variables reflect the overall cohort mean and standard deviation (SD) of the median values reported by each healthcare system.
4. We report the top 4 most frequent pre-admission health conditions (*i.e.,* comorbidities) in the pediatric population. Please see S7 Table for all pre-admission health conditions stratified by neurological status during acute COVID-19 hospitalization.