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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplemental Table 1. Other Baseline**  **Characteristics** | **Neonates (0 - 30 days)** | | | **Infants (1 month - 12 months)** | | | **Toddlers (1 year - 3 years)** | | | **School Aged (4 years - 11 years)** | | | **Adolescents (12 years - 17 years)** | | | **Overall** | | | |
| **Baseline**  **Characteristics** | **Oral (n = 2162)** | **Nasal (n = 1519)** | **P-Value** | **Oral (n = 6115)** | **Nasal (n = 3782)** | **P-Value** | **Oral (n = 3806)** | **Nasal (n = 1542)** | **P-Value** | **Oral (n = 4232)** | **Nasal (n = 746)** | **P-Value** | **Oral (n = 2804)** | **Nasal (n = 46)** | **P-Value** | **Oral**  **(n = 19119)** | **Nasal (n = 7635)** | **P-Value** |
| **Any Non-Cardiac/Genetic Abnormalities** | 422 (19.5%) | 334 (22.0%) | 0.0679 | 2105 (34.4%) | 1340 (35.4%) | 0.3067 | 879 (23.1%) | 419 (27.2%) | 0.0016 | 831 (19.6%) | 185 (24.8%) | 0.0013 | 416 (14.8%) | 8 (17.4%) | 0.6291 | 4653 (24.3%) | 2286 (29.9%) | <0.0001 |
| **Any Non-Cardiac Anatomic Abnormalities** | 181 (8.4%) | 179 (11.8%) | 0.0006 | 591 (9.7%) | 422 (11.2%) | 0.0172 | 393 (10.3%) | 210 (13.6%) | 0.0006 | 404 (9.6%) | 96 (12.9%) | 0.0054 | 198 (7.1%) | 4 (8.7%) | 0.6684 | 1767 (9.2%) | 911 (11.9%) | <0.0001 |
| **Any Chromosomal Abnormality** | 293 (13.6%) | 220 (14.5%) | 0.4221 | 1755 (28.7%) | 1129 (29.9%) | 0.2204 | 699 (18.4%) | 339 (22.0%) | 0.0024 | 619 (14.6%) | 140 (18.8%) | 0.0037 | 307 (11.0%) | 5 (10.9%) | 0.9864 | 3673 (19.2%) | 1833 (24.0%) | <0.0001 |
| **Any Syndromes** | 335 (15.5%) | 247 (16.3%) | 0.5308 | 1906 (31.2%) | 1204 (31.8%) | 0.4882 | 877 (23.0%) | 390 (25.3%) | 0.0797 | 878 (20.8%) | 179 (24.0%) | 0.0455 | 445 (15.9%) | 7 (15.2%) | 0.9043 | 4441 (23.2%) | 2027 (26.6%) | <0.0001 |
| **Preoperative Mechanical Ventilatory Support During Current Hospitalization** | 335 (15.5%) | 204 (13.4%) | 0.0811 | 148 (2.4%) | 71 (1.9%) | 0.0744 | 27 (0.7%) | 10 (0.7%) | 0.8077 | 12 (0.3%) | 1 (0.1%) | 0.4607 | 15 (0.5%) | 1 (2.2%) | 0.1401 | 537 (2.8%) | 287 (3.8%) | <0.0001 |
| **Preoperative Neurological Deficit** | 17 (0.79%) | 30 (1.97%) | 0.0016 | 126 (2.1%) | 215 (5.7%) | <0.0001 | 164 (4.3%) | 154 (10.0%) | <0.0001 | 202 (4.8%) | 69 (9.3%) | <0.0001 | 129 (4.6%) | 4 (8.7%) | 0.1916 | 640 (3.3%) | 472 (6.2%) | <0.0001 |
| **Any Preoperative Risk Factors** | 631 (29.2%) | 470 (30.9%) | 0.2522 | 1759 (28.8%) | 1234 (32.6%) | <0.0001 | 1002 (26.3%) | 549 (35.6%) | <0.0001 | 1045 (24.7%) | 275 (36.9%) | <0.0001 | 790 (28.2%) | 17 (37.0%) | 0.1898 | 5227 (27.3%) | 2545 (33.3%) | <0.0001 |
| **Preoperative Mechanical Circulatory Support** | 5 (0.23%) | 1 (0.07%) | 0.2207 | 9 (0.15%) | 1 (0.03%) | 0.0662 | 9 (0.2%) | 8 (0.5%) | 0.0966 | 16 (0.4%) | 3 (0.4%) | 0.9217 | 41 (1.5%) | 0 (0.0%) | 0.4088 | 80 (0.4%) | 13 (0.2%) | 0.0018 |
| **Preoperative Renal Failure** | 23 (1.06%) | 18 (1.18%) | 0.7303 | 46 (0.75%) | 15 (0.40%) | 0.0281 | 26 (0.7%) | 6 (0.4%) | 0.2066 | 27 (0.6%) | 3 (0.4%) | 0.4429 | 24 (0.9%) | 1 (2.2%) | 0.3418 | 146 (0.8%) | 43 (0.6%) | 0.0771 |
| **Race/Ethnicity** |  |  | <0.0001 |  |  | <0.0001 |  |  | <0.0001 |  |  | 0.129 |  |  | 0.0169 |  |  | <0.0001 |
| Caucasian | 1212 (57%) | 858 (58%) |  | 3420 (57%) | 2068 (56%) |  | 2096 (56%) | 882 (59%) |  | 22865 (56%) | 401 (56%) |  | 1730 (63%) | 23 (50%) |  | 10743 (58%) | 4232 (57%) |  |
| Black | 345 (16%) | 201 (14%) |  | 1205 (20%) | 627 (17%) |  | 654 (18%) | 263 (18%) |  | 719 (18%) | 131 (18%) |  | 443 (16%) | 7 (15%) |  | 3366 (18%) | 1229 (17%) |  |
| Hispanic | 379 (18%) | 209 (14%) |  | 893 (15%) | 435 (12%) |  | 553 (15%) | 143 (10%) |  | 625 (15%) | 86 (12%) |  | 292 (11%) | 8 (17%) |  | 2742 (15%) | 881 (12%) |  |
| Asian | 67 (3%) | 49 (3%) |  | 182 (3%) | 197 (5%) |  | 162 (4%) | 99 (7%) |  | 191 (5%) | 41 (6%) |  | 101 (4%) | 6 (13%) |  | 703 (4%) | 392 (5%) |  |
| Am Indian/Alaskan Native | 6 (0.3%) | 14 (0.9%) |  | 20 (0.3%) | 26 (0.7%) |  | 18 (0.5%) | 20 (1%) |  | 20 (0.5%) | 6 (1%) |  | 17 (0.6%) | 0 (0%) |  | 81 (0.4%) | 66 (1%) |  |
| Other | 111 (5%) | 154 (10%) |  | 302 (5%) | 308 (8%) |  | 228 (6%) | 96 (6%) |  | 257 (6%) | 53 (7%) |  | 147 (5%) | 2 (4%) |  | 1045 (6%) | 613 (8%) |  |