

|  | Overall                       | Low broad-spectrum<br>Low targeted MDT | Low broad-spectrum<br>High targeted MDT | High broad-spectrum<br>Low targeted MDT | High broad-spectrum<br>High targeted MDT | <i>p-value</i> |
|--|-------------------------------|--|---|---|--|----------------|
| <b>Hospitals, N</b>                        | 43                            | 17                                     | 18                                      | 3                                       | 5  |                |
| <b>Discharges, N</b>                       | 2994                          | 1059 (35.4)                            | 1265 (42.3)                             | 387 (12.9)                              | 283 (9.5)                                |                |
| <b>Diagnostic Tests, N (%)</b>             |                               |  |   |   |  |                |
| Broad-spectrum MDT                         | 784 (26.2)                    | 98 (9.3)                               | 117 (9.2)                               | 351 (90.7)                              | 218 (77)                                 | <.001          |
| Targeted MDT                               | 1322 (44.2)                   | 135 (12.7)                             | 901 (71.2)                              | 59 (15.2)                               | 227 (80.2)                               | <.001          |
| <b>Age, N (%)</b>                          |                               |  |   |   |  | 0.319          |
| 60 days to <1y                             | 145 (4.8)                     | 58 (5.5)                               | 60 (4.7)                                | 13 (3.4)                                | 14 (4.9)                                 |                |
| 1-4y                                       | 1189 (39.7)                   | 402 (38)                               | 509 (40.2)                              | 162 (41.9)                              | 116 (41)                                 |                |
| 5-9y                                       | 1038 (34.7)                   | 369 (34.8)                             | 424 (33.5)                              | 148 (38.2)                              | 97 (34.3)                                |                |
| 10-14y                                     | 357 (11.9)                    | 131 (12.4)                             | 158 (12.5)                              | 31 (8)                                  | 37 (13.1)                                |                |
| 15-18y                                     | 265 (8.9)                     | 99 (9.3)                               | 114 (9)                                 | 33 (8.5)                                | 19 (6.7)                                 |                |
| <b>Sex, N (%)</b>                          |                               |  |   |   |  | 0.155          |
| Male                                       | 1621 (54.2)                   | 553 (52.2)                             | 705 (55.8)                              | 200 (51.7)                              | 163 (57.6)                               |                |
| Female                                     | 1372 (45.8)                   | 506 (47.8)                             | 559 (44.2)                              | 187 (48.3)                              | 120 (42.4)                               |                |
| <b>Race, N (%)</b>                         |                               |  |   |   |  | <.001          |
| Non-Hispanic White                         | 1341 (44.8)                   | 454 (42.9)                             | 630 (49.8)                              | 131 (33.9)                              | 126 (44.5)                               |                |
| Non-Hispanic Black                         | 361 (12.1)                    | 139 (13.1)                             | 150 (11.9)                              | 44 (11.4)                               | 28 (9.9)                                 |                |
| Hispanic                                   | 778 (26)                      | 271 (25.6)                             | 290 (22.9)                              | 161 (41.6)                              | 56 (19.8)                                |                |
| Asian                                      | 204 (6.8)                     | 90 (8.5)                               | 61 (4.8)                                | 28 (7.2)                                | 25 (8.8)                                 |                |
| Other                                      | 310 (10.4)                    | 105 (9.9)                              | 134 (10.6)                              | 23 (5.9)                                | 48 (17)                                  |                |
| <b>Payor, N (%)</b>                        |                               |  |   |   |  | <.001          |
| Government                                 | 1406 (47)                     | 514 (48.5)                             | 555 (43.9)                              | 182 (47)                                | 155 (54.8)                               |                |
| Private                                    | 1425 (47.6)                   | 499 (47.1)                             | 633 (50)                                | 171 (44.2)                              | 122 (43.1)                               |                |
| Other                                      | 163 (5.4)                     | 46 (4.3)                               | 77 (6.1)                                | 34 (8.8)                                | 6 (2.1)                                  |                |
| <b>ICU, N (%)</b>                          | 1303 (43.5)                   | 491 (46.4)                             | 523 (41.3)                              | 137 (35.4)                              |  | <.001          |
| <b>Invasive Ventilation, N (%)</b>         | 513 (17.1)                    | 181 (17.1)                             | 202 (16)                                | 56 (14.5)                               | 74 (26.1)                                | <.001          |
| <b>Severity Using H-RISK, N (%)</b>        | 5.07 (4.87)                   | 5.2 (5.16)                             | 5.07 (4.85)                             | 4.71 (4.19)                             | 5.06 (4.74)                              | 0.645          |
| <b>Length of Stay (days), Median (IQR)</b> | 9 (7, 13)                     | 10 (7, 14)                             | 9 (7, 13)                               | 10 (7, 14)                              | 9 (7, 13)                                | 0.102          |
| <b>Cost, Median (IQR)</b>                  | 42478.7<br>(27608.6, 77188.4) | 40435.7<br>(24749.7, 79654.4)          | 42571.8<br>(28133.9, 58535.1)           | 50652.4<br>(32833.5, 69087.3)           | 57428.2<br>(34876.8, 125134.7)           | 0.452          |
| <b>MRSA Coverage, N (%)</b>                | 2330 (77.8)                   | 905 (85.5)                             | 848 (67)                                | 361 (93.3)                              | 216 (76.3)                               | <.001          |

**Table 1.** Characteristics of included encounters.

H-RISK: Hospitalization Resource Intensity Scores for Kids<sup>1</sup>, ICU: intensive care unit, IQR: inter-quartile range, MDT: molecular diagnostic testing, MRSA: Methicillin resistant *Staphylococcus aureus*, y: years

<sup>1</sup>Richardson T, Rodean J, Harris M, Berry J, Gay JC, Hall M. Development of Hospitalization Resource Intensity Scores for Kids (H-RISK) and Comparison across Pediatric Populations. *J Hosp Med.* 2018;13(9):602-608. doi:10.12788/jhm.2948