**Supplemental Table.** Patient Demographics and Outcomes by Provider Suspicion of Infection and SIRS Criteria

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| --- | --- | --- | --- | --- | --- | --- |
| **Demographic/Outcome** | **Provider Suspicion of Infectiona** | | | | | ***P*** |
| **Positive SIRS Criteriab** | | | | **Negative SIRS Criteria** |
| **RN and**  **MD/APP**  **(n = 79)** | **RN Only**  **(n = 60)** | **MD/APP**  **Only**  **(n = 90)** | **Neither RN nor MD/APP**  **(n = 204)** | **N/A (n = 759)** |
| Mean (SD) age, y | 64 (22) | 59 (20) | 61 (19) | 58 (18) | 59 (19) | 0.38 |
| Male sex, n (%) | 34 (43.0) | 24 (40.0) | 40 (44.4) | 83 (40.7) | 291 (38.3) | 0.77 |
| Race, n (%) |  |  |  |  |  | 0.44 |
| White | 13 (16.5) | 7 (11.7) | 10 (11.1) | 36 (17.6) | 136 (17.9) | — |
| Black | 56 (70.9) | 47 (78.3) | 71 (78.9) | 152 (74.5) | 552 (72.7) | — |
| Other | 10 (12.7) | 6 (10.0) | 9 (10.0) | 16 (7.8) | 71 (9.3) | — |
| Median (IQR) length of stay, d | 7.6 (6.0) | 9.5 (13.6) | 7.6 (5.8) | 6.2 (7.1) | 5.9 (5.8) | < 0.001 |
| Positive urine culture, n (%) | 17 (21.5) | 12 (20.0) | 9 (10.0) | 32 (15.7) | 68 (9.0) | < 0.001 |
| Positive blood culture, n (%) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 1 (0.1) | 1.00 |
| Severe sepsis or septic shock, n (%) | 14 (17.7) | 4 (6.7) | 5 (5.5) | 3 (1.5) | 10 (1.3) | < 0.001 |
| Mortality, n (%) | 5 (6.3) | 3 (5.0) | 1 (1.1) | 5 (2.5) | 2 (0.3) | < 0.001 |

aRN suspicion of infection is defined as positive if nurse answers yes to screening tool question 2 (“Does the patient have evidence of an active infection?”); MD/APP suspicion is defined as positive if there is existing order for antibiotics or new order for either blood or urine cultures placed within 12 hours before RN’s screen time.

bPositive SIRS criteria are defined as meeting ≥2 of following: temperature >38°C or <36°C; heart rate >90 beats per minute; respiratory rate >20 breaths per minute; and white blood cell count greater than 12,000/mm3 or less than 4,000/mm3.

NOTE: Abbreviations: APP, advanced practice professional; IQR, interquartile range; MD, medical doctor; N/A, not applicable; RN, registered nurse; SD, standard deviation; SIRS, systemic inflammatory response syndrome