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| **Supplemental Table 7: Outcomes in Screen Positive Patients with Unsuspected Sepsisa**  |
| **Outcome Measure** | **Silent** (n=396) | **Alert** (n=576) | **P-value** |
| Hospital Length of Stay, median (IQR), d | 8 (5-18) | 9 (5-17) | 0.93 |
| ICU Transfer Any Time After Alert, % | 23.3% | 22.7% | 0.76 |
| Time to ICU Transfer After Alert, median (IQR), h | 24 (3-117) | 8 (2-73) | <0.01 |
| ICU Length of Stay, median (IQR), h | 77 (38-167) | 80 (41-167) | 0.49 |
| Mortality ≤ 30 days After Trigger, % | 9.1% | 8.4% | 0.74 |
| In-hospital Mortality, % | 9.9% | 9.0% | 0.67 |
| Discharged to Home, % | 59.2% | 58.7% | 0.82 |
| Discharged to Nursing Facility, % | 16.6% | 15.8% | 0.70 |
| Discharged to Inpatient Hospice, % | 3.5% | 4.2% | 0.76 |
| Severe Sepsis or Septic Shockb, % | 16.7% | 14.2% | 0.24 |
| ICU = intensive care unit, IQR = interquartile range.aUnsuspected Sepsis: less than two out of three of the following ordered within 12 hours preceding alert: (1) blood culture, (2) lactate, (3) broad spectrum antibiotic.bSevere Sepsis: >2 SIRS and positive blood or urine culture and lactate >2.2; Septic Shock: Severe Sepsis AND systolic blood pressure <90 mm Hg.Silent period unsuspected sepsis n=1,144 (74% of total screen positive population), Alert period unsuspected sepsis n=1,561 (73% of total screen positive population). |