|  |
| --- |
| **Supplemental Table 4: Clinical Process Measures Over Time in Screen Positive Patients with Suspected Sepsisa** |
|  | **Percent of Patients at 3-Hrsb** | **Percent of Patients at 6-Hrsb** | **Percent of Patients at 48-Hrsb** |
| **Process Measure** | **Silent** | **Alert** | **P-value** | **Silent** | **Alert** | **P-value** | **Silent** | **Alert** | **P-value** |
| CBC or BMP | 51.5  | 56.6  | 0.13 | 78.0  | 79.3  | 0.68 | 99.5  | 98.1  | 0.11 |
| IV Fluid Bolus | 31.3  | 34.0  | 0.41 | 42.9  | 45.1  | 0.54 | 72.2  | 72.4  | 0.99 |
| Any Antibiotic | 30.6  | 26.2  | 0.16 | 40.4  | 39.2  | 0.76 | 82.3  | 79.3  | 0.28 |
| Sepsis Antibiotic(s)c | 28.5  | 24.7  | 0.20 | 37.9  | 37.3  | 0.91 | 76.8  | 71.5  | 0.08 |
| Blood Cultures | 20.5  | 24.5  | 0.16 | 31.6  | 36.6  | 0.12 | 62.9  |  65.3  | 0.48 |
| Lactate | 16.7  | 25.9  | <0.01 | 21.2  | 32.8  | <0.01 | 40.7  | 48.4  | 0.02 |
| Telemetry or ECG | 11.4  | 10.6  | 0.78 | 17.7  | 18.9  | 0.68 | 51.5  | 56.9  | 0.11 |
| Chest Radiograph | 10.9  | 12.3  | 0.55 | 14.6  | 18.1  | 0.19 | 38.4  | 40.3  | 0.60 |
| CT Imagingd | 7.3  | 6.1  | 0.52 | 11.4  | 9.4  | 0.37 | 23.2  | 25.7  | 0.42 |
| RBC Transfusion | 5.6  | 5.4  | 0.98 | 7.6  | 10.8  | 0.12 | 37.9  | 35.9  | 0.58 |
| Arterial Blood Gas | 4.3  | 6.1  | 0.29 | 6.6  | 9.4  | 0.15 | 18.9  | 20.3  | 0.66 |
| Vasopressor | 4.0  | 4.7  | 0.75 | 5.6  | 7.1  | 0.40 | 12.6  | 13.9  | 0.64 |
| AV Nodal Blockade | 3.0  | 3.0  | 0.90 | 3.8  | 4.3  | 0.79 | 9.8  | 11.5  | 0.49 |
| Diuretic | 1.5  | 3.1  | 0.17 | 2.5  | 4.7  | 0.12 | 13.9  | 15.8  | 0.47 |
| Naloxone | 0.0  | 0.7 | 0.25 | 0.0  | 0.9  | 0.16 | 0.3  | 1.4  | 0.14 |
| AV = atrioventricular, BMP = basic metabolic panel, CBC = complete blood count, CT = computed tomography, ECG = electrocardiogram, Hrs = hours, IV = intravenous, RBC = red blood cell. aSuspected Sepsis: at least two out of three of the following ordered within 12 hours preceding alert: (1) blood culture, (2) lactate, (3) broad spectrum antibiotic.bTime intervals after alert trigger.cList available in Supplemental Table 8. dIncludes CT chest, head, or abdomen. Silent period suspected sepsis n=396 (26% of total screen positive population), Alert period suspected sepsis n=576 (27% of total screen positive population. |