|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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. | | | | | | | | | |