**Hospital Surge Indicator Worksheet**

***Step 1:*** Using available facility data, write the value for each surge component in the white “AM Value” column for the 10:00 a.m. data collection. Then, circle which percentage range to the right the component falls within. The below grid uses percent ranges. A table based on number ranges also is below. Hospitals can use the number table by calculating the number range using the percent ranges provided for their particular space and planning assumptions. Repeat the same process for the 4:00 p.m. data collection in the “PM Value” column.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PERCENT-BASED TABLE****Surge Component**  | **AM Value** | **PM****Value** | **Green (normal) Range** | **Yellow (elevated) Range** | **Orange (significant) Range** | **Red (critical) Range** |
| **1a. ED Volume (Percent)***(# of occupied spaces/total # of ED spaces)* | \_\_\_\_% | \_\_\_\_\_% | Less than 90% | 90% to less than 95% | 95% to 100% | Greater than 100% |
| **2a. ED Boarding (Percent)***(# of patients awaiting an inpatient bed/total # of ED spaces)* | \_\_\_ % | \_\_\_ % | Less than 10% | 10% to less than 15% | 15% to 20% | Greater than 20% |
| **3a. Volume of Intubated Patients in ED (Percent)***(# of intubated patients in ED/total # of ED spaces)* | \_\_\_ % | \_\_\_ % | Less than 8% | 8% to less than 10% | 10% to 12% | Greater than 12% |
| **4a. Inpatient Volume: Adult Medical-Surgical (Percent)***(# of occupied adult medical-surgical beds/total # of adult medical-surgical beds)* | \_\_\_ % | \_\_\_ % | Less than 85% | 85% to less than 90% | 90% to 95% | Greater than 95% |
| **5a. Inpatient Volume: Adult Critical Care (Percent)***(# of occupied adult critical care beds/total # of adult critical care beds)* | \_\_\_ % | \_\_\_ % | Less than 85% | 85% to less than 90% | 90% to 95% | Greater than 95% |
| **6a. Volume of Intubated Adult Patients in Critical Care (Percent)***(# of intubated inpatients/total # of adult critical care beds)* | \_\_\_ % | \_\_\_ % | Less than 25% | 25% to less than 35% | 35% to 50% | Greater than 50% |

*\*\* The denominator for all percentages presented above includes any surge beds that have been added due to the activation of facility surge plans. These may include repurposed beds (i.e., rehab beds that are now being used as medical-surgical beds) or new beds (i.e., adding a second bed to a single room).*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **NUMBER-BASED TABLE****Surge Component** | **AM** **Value** | **PM Value** | **Green (normal) Range** | **Yellow (elevated) Range** | **Orange (significant) Range** | **Red (critical) Range** |
| **1b. ED Volume (Number)***(# of occupied spaces/total # of ED spaces)* | \_\_\_ (#) | \_\_\_ (#) | Less than \_\_\_ | \_\_ to \_\_ | \_\_ to \_\_ | \_\_ or higher |
| **2b. ED Boarding (Number)***Applying the percent ranges above, number range for facility* | \_\_\_ (#) | \_\_\_ (#) | Less than \_\_\_ | \_\_ to \_\_ | \_\_ to \_\_ | \_\_ or higher |
| **3a. Volume of Intubated Patients in ED (Number)***Applying the percent ranges above, number range for facility* | \_\_\_ (#) | \_\_\_ (#) | Less than \_\_\_ | \_\_ to \_\_ | \_\_ to \_\_ | \_\_ or higher |
| **4b. Inpatient Volume: Adult Medical-Surgical (Number)***Applying the percent ranges above, number range for facility* | \_\_\_ (#) | \_\_\_ (#) | Less than \_\_\_ | \_\_ to \_\_ | \_\_ to \_\_ | \_\_ or higher |
| **5b. Inpatient Volume: Adult Critical Care (Number)***Applying the percent ranges above, number range for facility* | \_\_\_ (#) | \_\_\_ (#) | Less than \_\_\_ | \_\_ to \_\_ | \_\_ to \_\_ | \_\_ or higher |
| **6b. Volume of Intubated Adult Patients in Critical Care (Number)***Applying the percent ranges above, number range for facility* | \_\_\_ (#) | \_\_\_ (#) | Less than \_\_\_ | \_\_ to \_\_ | \_\_ to \_\_ | \_\_ or higher |

***Step 2:*** Assign values to each component using the two tables below. Calculate an overall ED component score and overall inpatient components score and then add them together. *Please note that the overall inpatient score is assigned a higher weight of 0.6 vs. 0.4 for the overall ED score. The rationale for this is inpatient components are more resource-intensive over a longer period of time, thereby placing greater stress on a facility.*

1. Using the table above in Step 1, circle the value for each ED Surge Component.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ED Surge Components** | **Green (normal) Range** | **Yellow (elevated) Range** | **Orange (significant) Range** | **Red (critical) Range** |
| 1. **ED Volume**
 | 1.0 | 2.0 | 3.0 | 4.0 |
| 1. **ED Boarding**
 | 1.0 | 2.0 | 3.0 | 4.0 |
| 1. **Volume of Intubated Patients in ED**
 | 1.0 | 2.0 | 3.0 | 4.0 |

Then add the three values together, average them, and multiply by 0.4.

ED Volume Value \_\_\_\_ + ED Boarding Value \_\_\_\_\_ + Volume of Intubated Patients Value \_\_\_\_\_ = \_\_\_\_\_\_ /3 = \_\_\_\_\_\_ x 0.4 =

1. Using the table above in Step 1, circle the value for each inpatient surge component.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Inpatient Surge Components** | **Green (normal) Range** | **Yellow (elevated) Range** | **Orange (significant) Range** | **Red (critical) Range** |
| 1. **Inpatient Volume: Adult Medical-Surgical**
 | 1.0 | 2.0 | 3.0 | 4.0 |
| 1. **Inpatient Volume: Adult Critical Care**
 | 1.0 | 2.0 | 3.0 | 4.0 |
| 1. **Volume of Intubated Adult Patients in Critical Care**
 | 1.0 | 2.0 | 3.0 | 4.0 |

Then add the three values together, average them, and multiply by 0.6.

Adult Med-Surg Value \_\_\_\_ + Adult Critical Care Value \_\_\_\_\_ + Intubated Patients ICU Value \_\_\_\_\_ = \_\_\_\_\_\_ /3 = \_\_\_\_\_\_ x 0.6 =

1. Add ED Components Value \_\_\_\_\_\_\_ + Inpatient Components Value \_\_\_\_\_\_\_ = Final Value

***Step 3:***

Refer to the chart below to select the facility’s overall hospital surge indicator:

|  |  |
| --- | --- |
| ***Value Range*** | ***Color*** |
| 1.0 to <1.75 | **Green** |
| 1.75 to <2.5 | **Yellow** |
| 2.5 to <3.25 | **Orange** |
| 3.25 to 4.0 | **Red** |

The hospital surge indicator value should now be entered into the GNYHA Sit Stat 2.0 system.