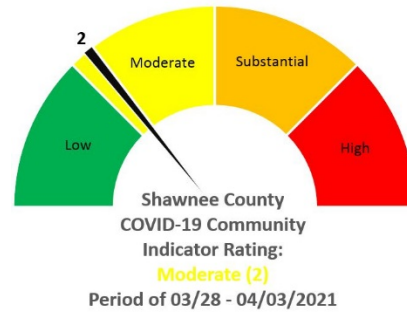




Public Health
Prevent. Promote. Protect.

Shawnee County Health Department



Shawnee County COVID-19 Community Indicator Report

Period of March 28 through April 3

Summary Index = 2 (Moderate)

| Indicator | Last Week's Value and Level | Current Value and Level |
|---|---|----------------------------------|
| 1. Core measures* | | |
| Weekly case incidence: Number of new cases diagnosed during a week | 136 (Moderate: 100-200) | 95 (Low: <100) |
| Percent positive test (% positive tests out of all tests performed) | 3.8% (Low: less than 5.0%) | 3.1% (Low: less than 5.0%) |
| 2. Secondary Measures | | |
| Trend in incidence: Difference between county case count in current week compared to previous week** | 22.5% (Substantial: Increasing by 16 to 25 percent) | -30.1% (Decreasing or unchanged) |
| Case investigation stress measure: Percentage of new cases contacted within 24 hours from the date of reporting | 95% (Low: 90% or more) | 94% (Low: 90% or more) |
| Contact tracing stress measure: Percentage of close contacts notified within 3 days of date of reporting of source case | 92% (Low: 90% or more) | 97% (Low: 90% or more) |
| Hospital Stress Index | 1.5 (Moderate: 1.1-1.5) | 1.8 (Substantial: 1.6-2.0) |
| SUMMARY INDEX SCORE | 5 (Moderate: 1 to 8) | 2 (Moderate: 1 to 8) |

All Values are provisional and are subject to change.

* These measures contribute double score to the summary index score

** Differences smaller than +/- 10 percent are reported as UNCHANGED

| | |
|---|--|
| SUMMARY INDEX SCORE INTERPRETATION | Score 0 = green (low) Score between 1 and 8: yellow (moderate) Score between 9 and 16: orange (substantial) Score between 17 and 24: red (high) |
|---|--|

Community Transmission Indicators

| Measure | Low (index score: 0) | Moderate (index score: 1) | Substantial (index score: 2) | High (index score: 3) | Notes |
|--|----------------------------|---------------------------------|------------------------------------|------------------------------------|---|
| 1. Core measures* | | | | | |
| Weekly case incidence: Number of new cases diagnosed during a week | < 100 | 100 to 200 | 201 to 350 | >350 | These are case <i>counts</i> . See technical notes for explanation of case <i>rates</i> . |
| Percent positive test (% positive tests out of all tests performed) | <5% | 5.0 to 9.9% | 10.0 to 14.9% | 15.0% or greater | |
| 2. Secondary Measures | | | | | |
| Trend in incidence: Difference between county case count in current week compared to previous week | Decreasing or unchanged | Increasing by 10 to 15 percent | Increasing by 16 to 25 percent | Increasing by more than 25 percent | Only variations of +/- 10% are counted as an increase or decrease. |
| Case investigation stress measure: Percentage of new cases contacted within 24 hours from the date of reporting | 90% or more | 51% to 89% | 30% to 50% | Less than 30% | |
| Contact tracing stress measure: Percentage of close contacts notified within 3 days of date of reporting of source case | 90% or more | 89% to 51% | 50% to 30% | Less than 30% | |

| | | | | | |
|------------------------------|------------|------------|------------|------------|--------------------------------|
| Hospital Stress Index | 0.0 to 1.0 | 1.1 to 1.5 | 1.6 to 2.0 | 2.1 to 3.0 | See separate table for details |
|------------------------------|------------|------------|------------|------------|--------------------------------|

* Assign double score to these indicators

Hospital Stress Index Indicators and Thresholds

| Measure | Low Transmission (zero points) | Moderate Transmission (1 point) | Substantial Transmission (2 points) | High Transmission (3 points) |
|--|-----------------------------------|---------------------------------------|---|---------------------------------|
| Percentage of hospital staffed beds that are occupied | <80.0% | 80.0% to 84.9% | 85.0% to 90% | >90.0% |
| Percentage of occupied beds with COVID-19 patients | <5.0% | 5.0% to 10.0% | 10.1% to 15.0% | >15.0% |
| Percentage of staffed intensive care unit (ICU) beds that are occupied | <80.0% | 80.0% to 84.9% | 85.0% to 90.0% | >90.0% |
| Percentage of ICU occupied beds with COVID-19 patients | <5.0% | 5.0% to 10.0% | 10.1% to 15.0% | >15.0% |

Additional statistics on COVID-19 in Shawnee County can be found at
<https://experience.arcgis.com/experience/ea2b1340b0694c2681268b5d1476b73e>

How to use and technical notes

1. The Shawnee County COVID-19 Community Indicator *Report* includes six *measures* (two core and four secondary), each measuring different aspects of transmission level and impact of the SARS-CoV2 virus responsible for COVID-19. Each measure can have a value falling in one of four categories of severity: low, moderate, substantial, and high.
2. Cases are reported as case *counts*, for simplicity purpose. The thresholds between case categories were set using approximations of the following case *rates*:
 - a. Low: less than 57 cases/100,000 per week
 - b. Moderate: between 58 and 114 cases/100,000 per week
 - c. Substantial: between 115 and 200 cases/100,000 per week
 - d. High: more than 200 cases/100,000 per week
3. All thresholds between categories were set based on the best available evidence from national and state organizations, when available, as well as direct experience in Shawnee County.
4. The report includes an *index score*. The value of each measure contributes to the summary index score differently, depending on the category that the measure is in for that week.
 - a. Each measure in the green category = 0 points
 - b. Each measure in the yellow category = 1 point
 - c. Each measure in the orange category = 2 points
 - d. Each measure in the red category = 3 points

The core measures receive double score, because of their greater importance as measures of transmission level. The total number of points for the index score is therefore 24 (if all the indicators are red).

5. The index score is interpreted as follows:
 - a. Score 0 = green (low)
 - b. Score between 1 and 8: yellow (moderate)
 - c. Score between 9 and 16: orange (high)
 - d. Score between 17 and 24: red (uncontrolled)

Refer to <https://www.cdc.gov/coronavirus/2019-ncov/community/community-mitigation.html> for more details about the characteristics and description of each level.

6. Every week the health department will release an updated report. The report will be based on the values for each measure of the previous week. The values published in the previous week's report are also included for reference. Values are provisional and may change as information becomes available.
7. Sources:
 - a. Hospital stress index: weekly updates provided by Stormont Vail Health and University of Kansas Health System – St. Francis Campus.
 - b. Case investigation, contact tracing and trends: internal monitoring at the Shawnee County Health Department.
 - c. Case incidence, percentage positive tests: Kansas Department of Health and Environment (<https://www.coronavirus.kdheks.gov/160/COVID-19-in-Kansas>)