



## Yellowstone County Schools Weekly Report 01.18.2022

Week reviewed 01.09.2022-01.15.2022

The Unified Health Command Medical Technical team, with representatives from Billings Clinic, St. Vincent Healthcare and RiverStone Health, **during the school year** makes weekly recommendations to education leaders about in-person instruction based on four major indicators. If three of the four indicators are red, a consideration of additional mitigation measures at the individual district, and/or school level, is recommended. Duration of recommendation depends on local factors.

### Current Recommendation: **Red**

Yellowstone County area schools are back in session. Information on the current situation continue to be reported weekly.

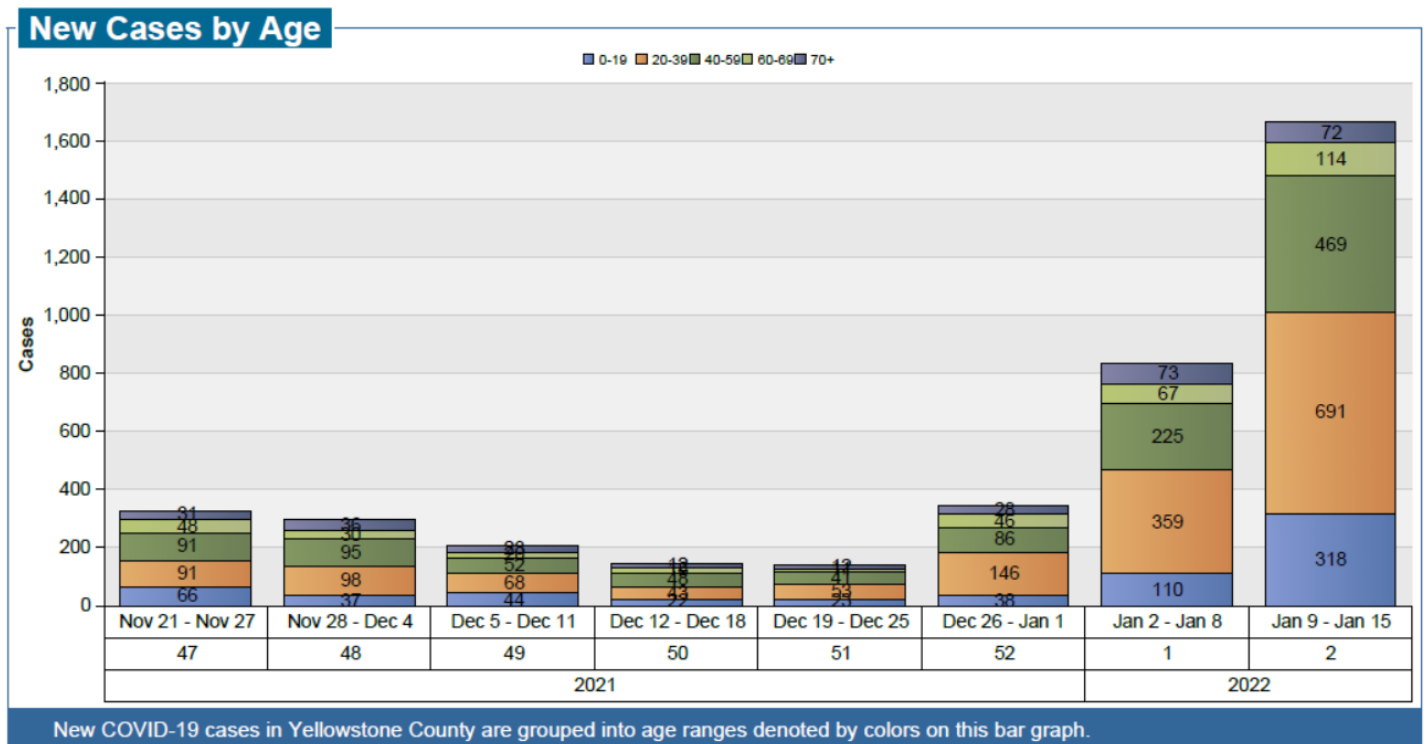
#### Indicators:

1. Capacity of Healthcare and Public Health: **Yellow** (Trending: **Worse**)

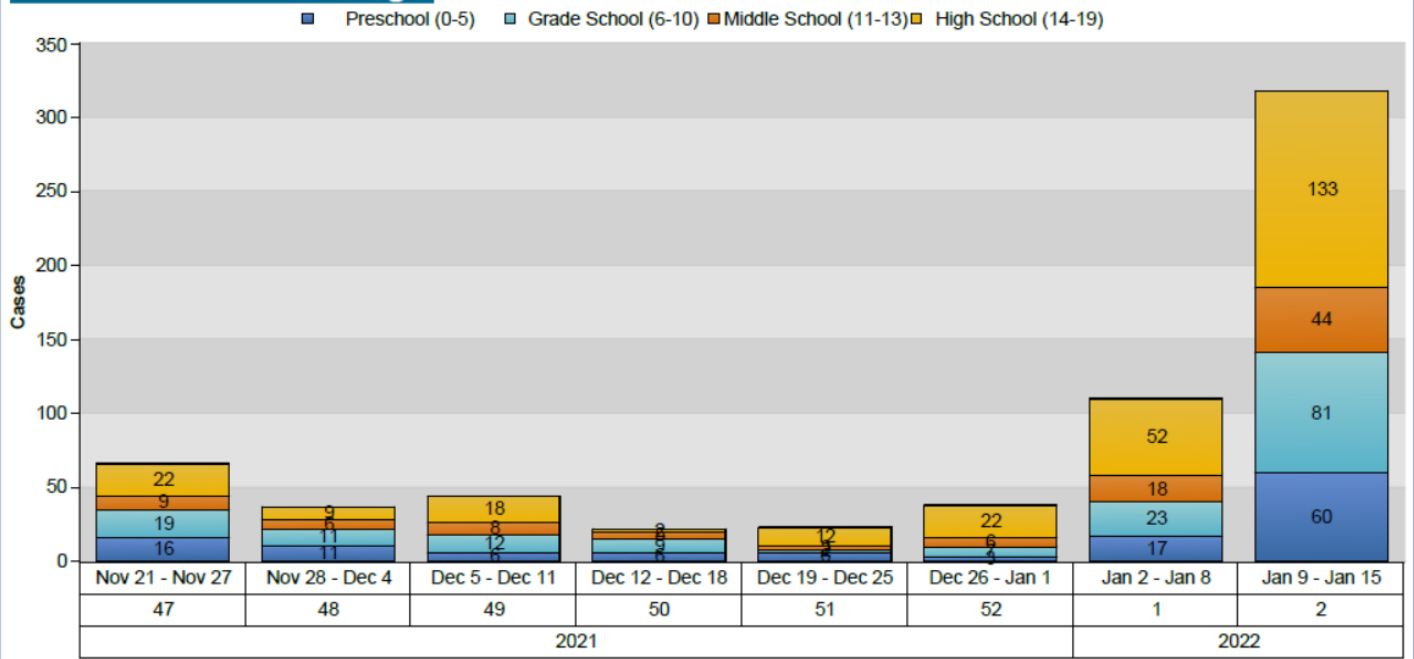
**Situation:** Both healthcare systems are starting to experience an increase in the volume of patients requiring hospitalizations from COVID-19. Hospitalizations still include both Yellowstone County residents and individuals from the surrounding region. Public Health has redeployed current public health staff and hired temporary personnel to help with timely case investigation and contact tracing.

2. Weekly Case Mix: Increase in new cases in children under 19: **Red** (Trending: **Worse**)

**Situation:** This past week (01.09.2022-01.15.2022) showed an increase in the proportion of new cases involving children under age of 19 and an increase in the *number* of new cases involving children compared to the previous week (01.02.2022-01.08.2022).



## New Cases of School Age



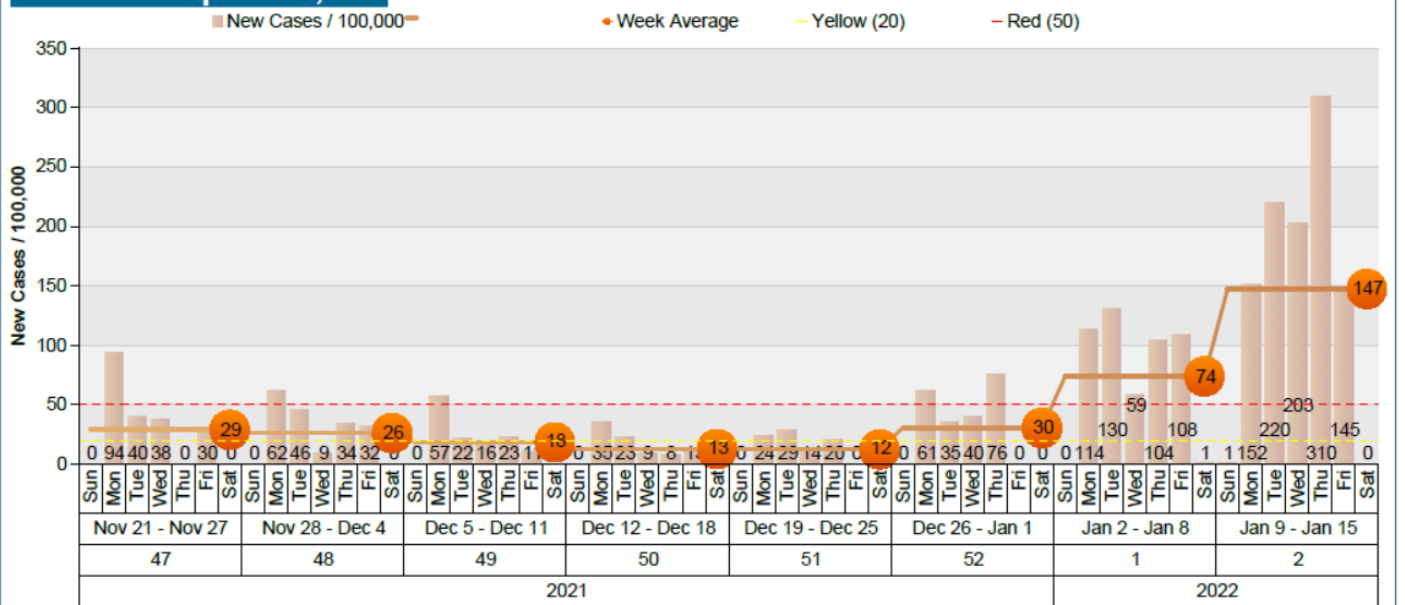
New cases among Yellowstone County school-age children are grouped into color-coded categories based on ages from preschool (0-5) through high school (14-19).

### 3. Weekly Average Daily Case Count per 100,000: **Red (Trending: Worse)**

**Green <10; Yellow 10-25; Red >25** **Currently: 147**

**Situation:** This indicator was red due to eighteen weeks in a row of being over the threshold of 25 cases per 100,000 and changed to red in week 33 of 2020 and again (08.15.2021-08.21.2021 and 01.09.2022-01.015.2022). This past week (01.09.2021-01.15.2022) had an increase from the previous week (01.02.2022-01.08.2022). This indicator changes to red this week. The Unified Health Command Medical Technical team updated case thresholds and for 2022. The new thresholds are 20 -49 new cases per 100,000 is in the yellow, or warning category and 50 or more new cases per 100,000 reflects a rate that is in the red category.

## New Cases per 100,000



The number of new cases each day, per 100,000, is shown as a bar graph. The brown line represents the weekly average daily case count per 100,000. This figure comes from the number of cases per day, divided by 161,300 (population of Yellowstone County), multiplied by 100,000, averaged over a 7-day period. The yellow dotted line indicates 20 new cases per 100,000. The red dotted line indicates a threshold of 50 new cases per 100,000. The orange dot is the average of new cases per 100,000 for the previous 7-day period.

4. Weekly Yellowstone County test positivity rate: **Red (Trending: Worse)**  
**Green <5; Yellow 5-10; Red >10 Currently: 26.2%**

**Situation:** There was an increase in the positivity rate over this past week (01.09.2022-01.15.2022) compared to the previous week (01.02.2022-01.08.2022). The positivity rate has been above the threshold for red ten weeks in a row until week (12.06.2020-12.12.2020) the week of (12.27.2020-01.02.2021) and again the week of (08.22.2021-08.28.2021) and (12.26.2021-01.01.2022). This indicator remains red this week.

