

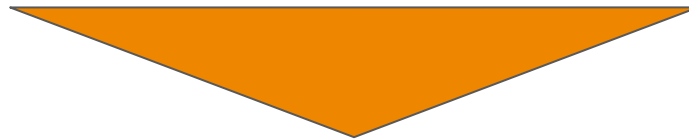
# 4/05/21 COVID-19 HEALTH DATA UPDATE

*Briefings are posted on our website at [www.tulsaschools.org](http://www.tulsaschools.org).*



# Refresher: our Health Data Monitoring Process

- The three categories of metrics are monitored weekly
- If a foundational health care metric hits threshold, or we detect an early warning from one of our indicators, evaluation and discussion will be triggered.
  - Data is compiled and initially reviewed on Fridays.
  - Evaluation and discussions occur on Monday mornings.
  - Daily monitoring begins when metrics are close to thresholds
- Evaluations address both specific school sites and the entire district.



**Four types of potential actions** can occur based on our assessment of the data:

1. No changes necessary at this time.
2. Additional monitoring of all data points coupled with increased, targeted rapid COVID testing.
3. Shift from in-person to full distance learning at a specific classroom, school, or multiple schools.
4. Change the default mode of instruction for some or all grade levels through a formal recommendation to the Board of Education.

# Refresher: Foundational & Contextual Data

## Early Warning Indicators at TPS Schools

- These data will help us to monitor conditions that are more localized and specific to our context. These data will help us to be more sensitive to conditions within schools to know if cases are higher or lower than overall county averages. These metrics are:
  - Tulsa Public Schools rapid testing results
  - New case rates for team members and students (TPS contact tracing)

## Foundational School System Metrics

- These internal data measure our ability to appropriately respond to early warning indicators and enact the necessary safety precautions at our schools. These metrics are:
  - Availability of necessary PPE
  - Rates of quarantine
  - Staffing capacity

## Foundational Health Care Metrics

- These core metrics will help us understand overall rates of community spread. These data will help us to assess overall risk and changes in our greater community that may necessitate a change in our response. The core metrics are:
  - 7-day rolling average of new cases in Tulsa Public Schools boundary  
*(calculated from public data).*
  - 7-day rolling average of new cases in Tulsa County

# High level assessment from 3/8 health data review

## Foundational Health Care Metrics

- New weekly reporting dates now have a one week lag as they are no longer reported daily. New data updates every wednesday for the full week. This has required us to track down new data sources as well.
- Overall new cases have stabilized at a low level after across the county.

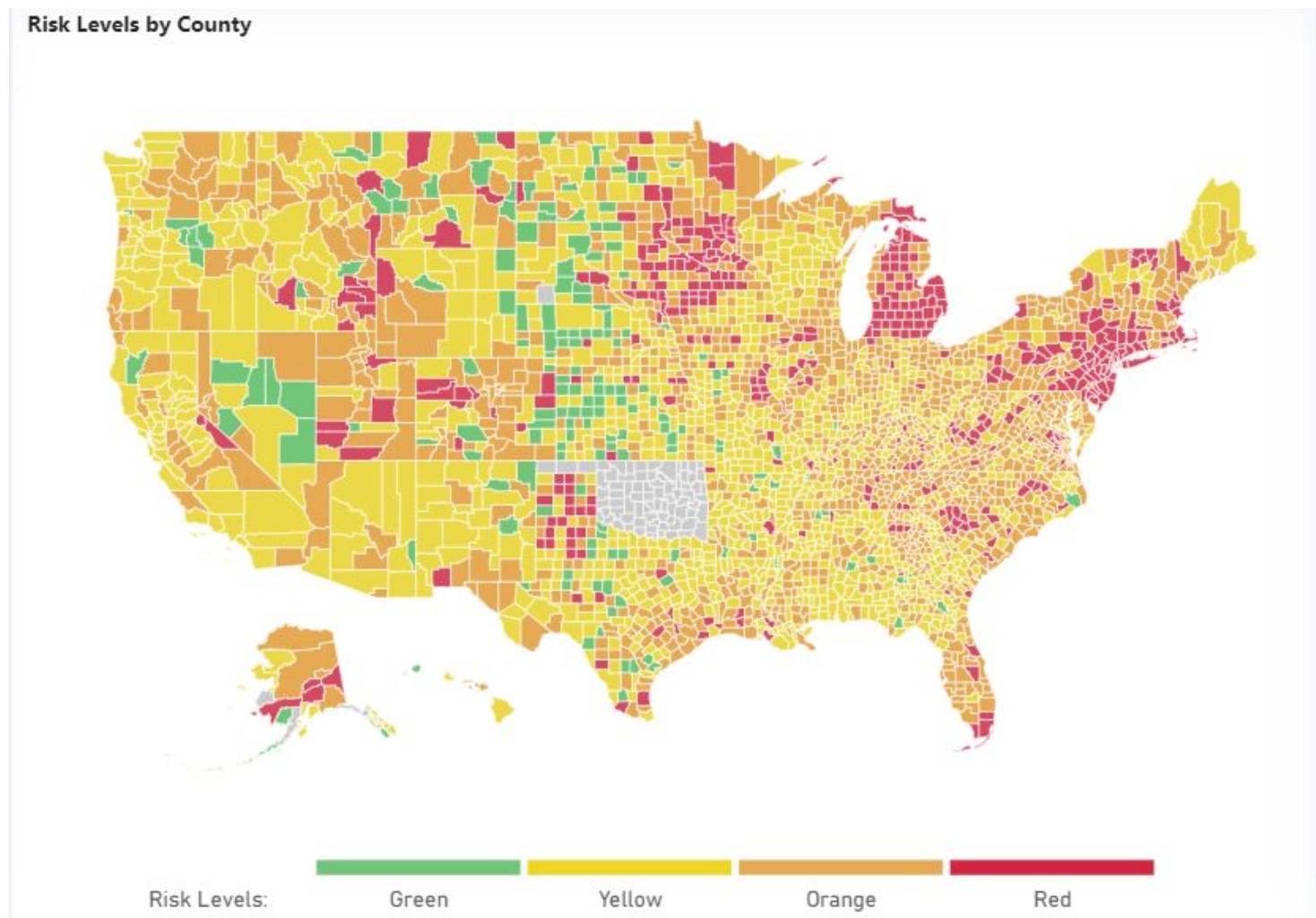
## Early Warning Indicators

- Rapid testing: Data reporting and tracking system is up and running and we can fully scale up testing; we do see small sample sizes at certain schools that make inferences about underlying case rates difficult.
- Need to increase the number of opt ins to better understand trends.

## Foundational System Metrics

- Staffing: no changes from prior weeks for school staffing, health care staff, and operations staff
- Continue to have necessary stock of PPE supplies and are delivering additional PPE to schools based on requests.

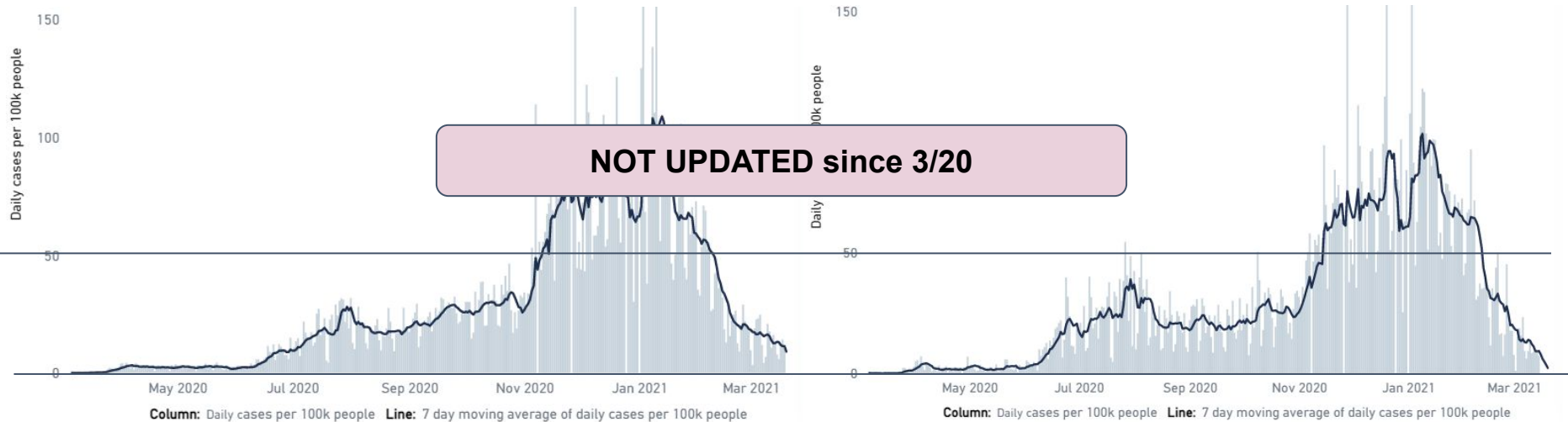
Oklahoma has changed its case reporting and daily case rates by county are no longer available. Instead, cases for the prior week will be update each Wednesday. This makes daily reporting comparisons inaccurate.



**With the new reporting changes, our usual data views are no longer available. As we are the only state to have made this change, many sites have not updated their charts to accommodate Oklahoma's weekly reporting.**

Oklahoma: 9.0 as of 3/20

Tulsa County: 2.3 as of 3/20

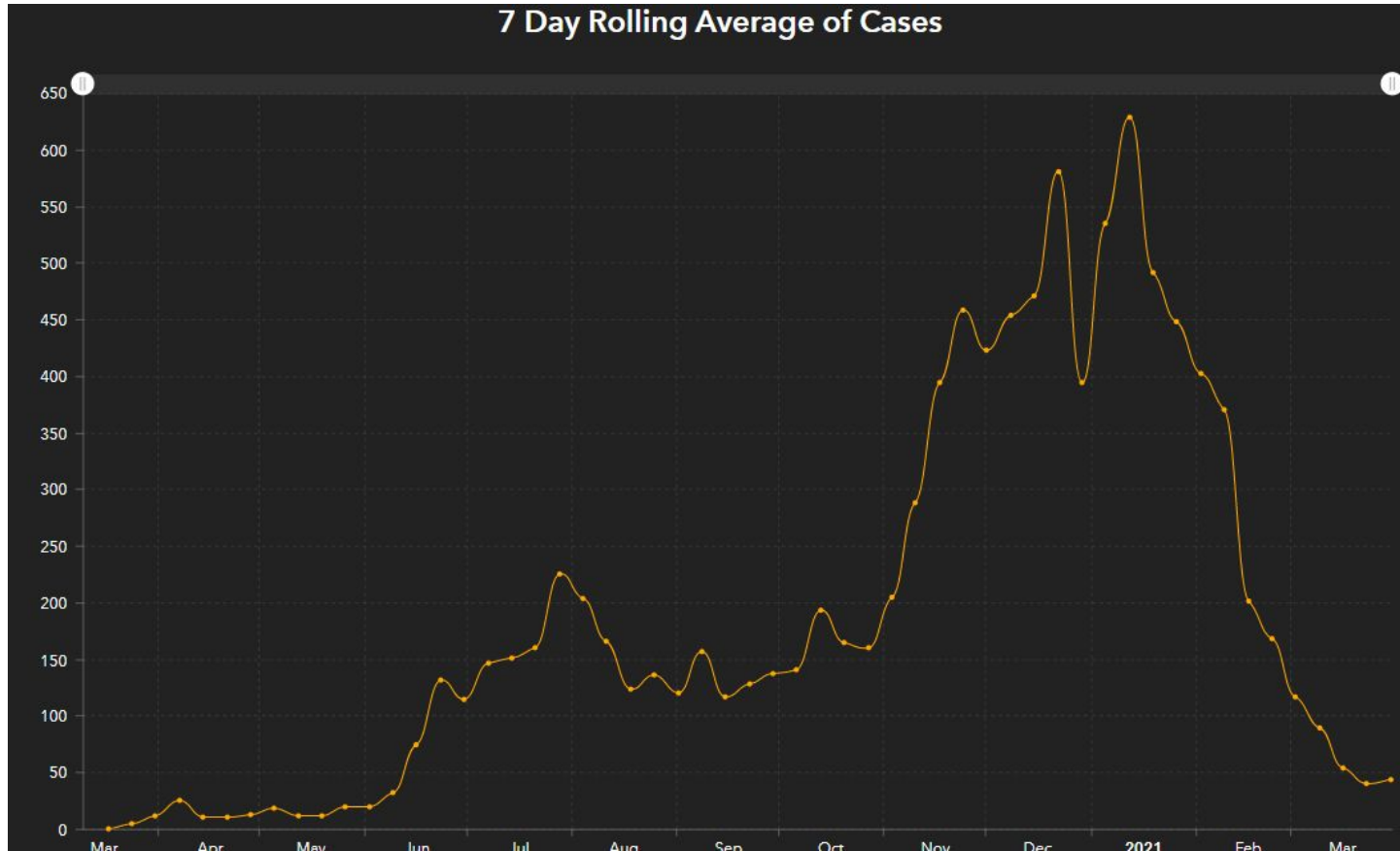


From 3/22 report:

- Oklahoma: 9.0 as of 3/20
- Tulsa County: 2.3 as of 3/20



# Foundational Health Care Metrics - 7 Day Rolling Average



**Updated 3/30**

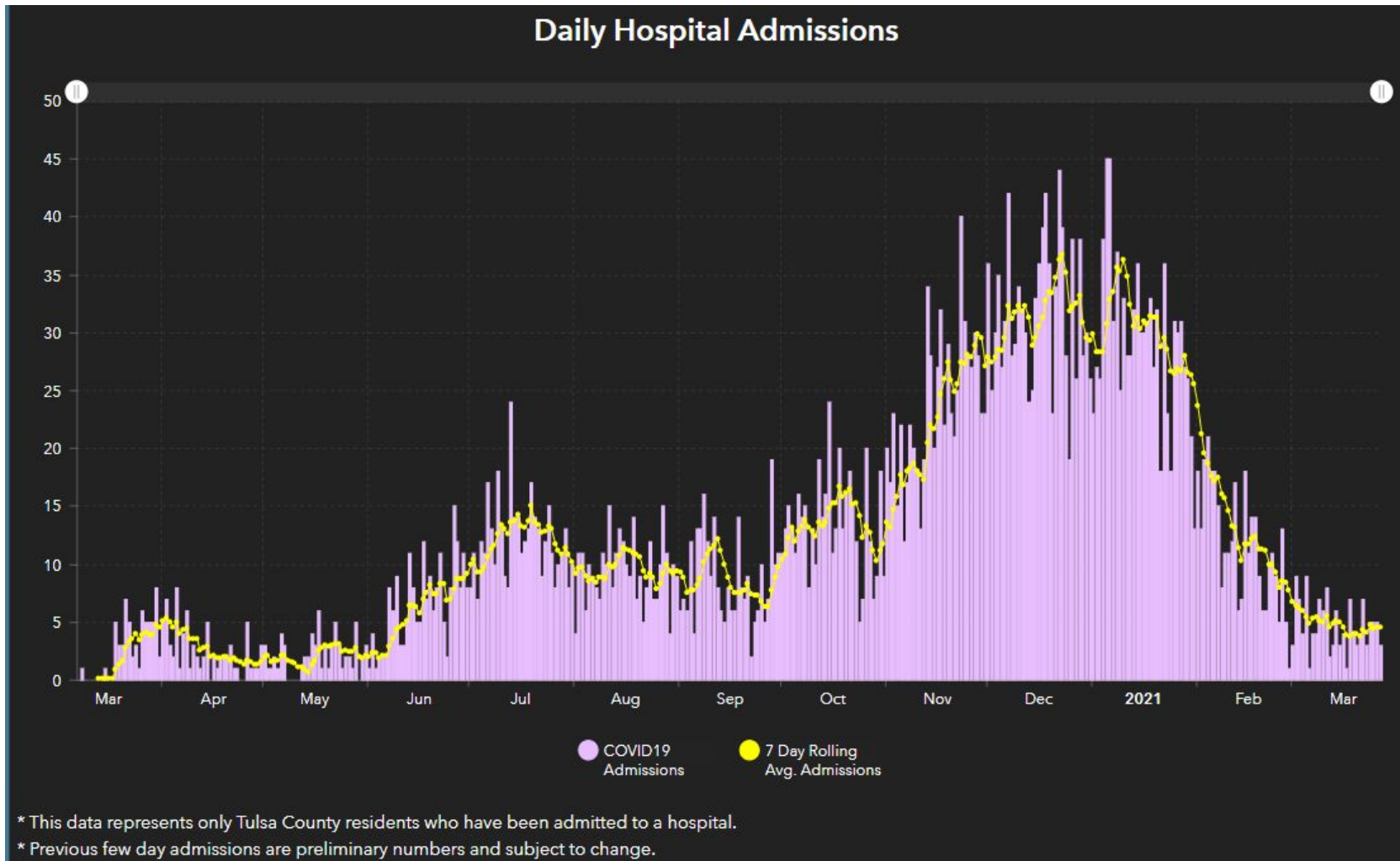
Due to the change from daily to weekly tracking, THD is now reporting data on total new cases from the prior week.

For the week through 3/30, there were 306 new cases, for a daily average of 43.7

Source: Tulsa Health Department. Data reported on 3/30 - daily average was 43.7. On 3/24/21, the reported 7 day rolling average was 39.9.

# Hospitalizations have stayed at low levels. Changes usually lag new case rates by a few weeks.

Updated 3/30



Source: Oklahoma Department of Health hospital surge plan

<https://oklahoma.gov/content/dam/ok/en/covid19/documents/hospital-surge-plan/hospital-tiers-report/Hospital%20Tiers%20plus%20detail%2020210114.pdf>



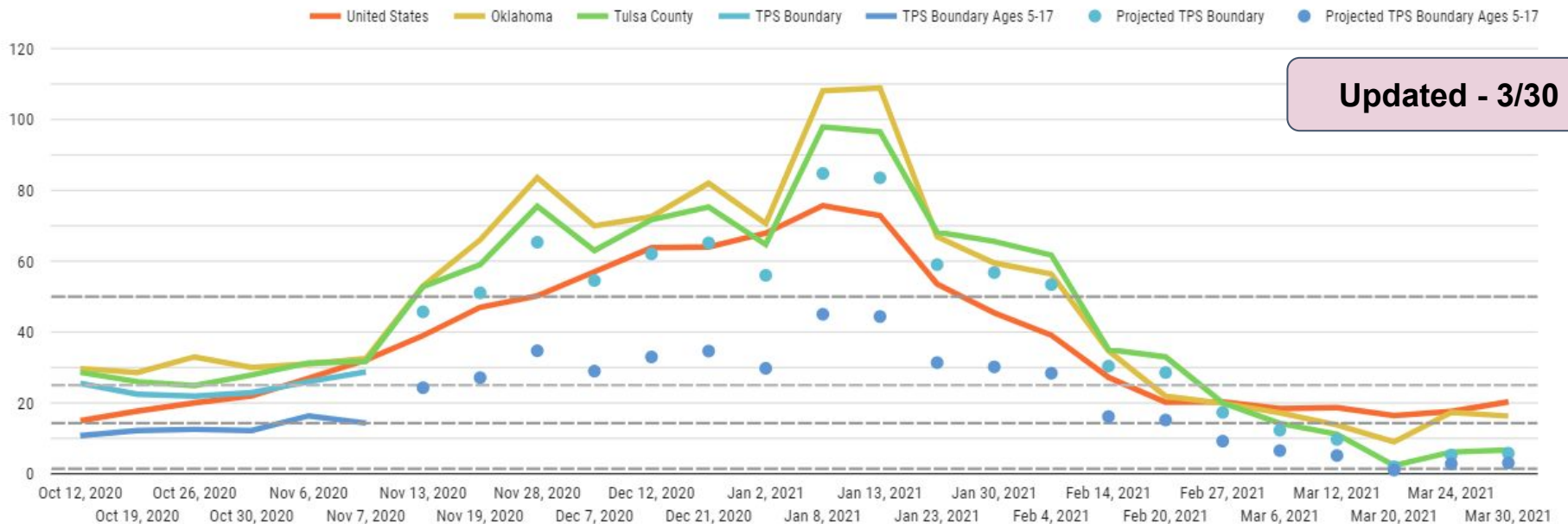
# Foundational Health Care Metrics

Moving forward, national, state, and county comparisons will be based on data made available on Wednesdays.

Mar 30, 2021

- United States: 20.3
- Oklahoma: 16.3
- Tulsa County: 6.7
- Projected TPS Boundary: 5.8
- Projected TPS Boundary Ages 5-17: 3.08

## 7-day Rolling Average New Cases per 100,000



Updated - 3/30

Data sources: [globeepidemics.org](https://www.globeepidemics.org), Tulsa Health Department

Note: Due to a change in reporting from the Oklahoma Department of Health, TPS boundary data are no longer able to be updated on a regular basis. Weekly projections based on the average percent difference between county and TPS data will be used according to the following historical averages:

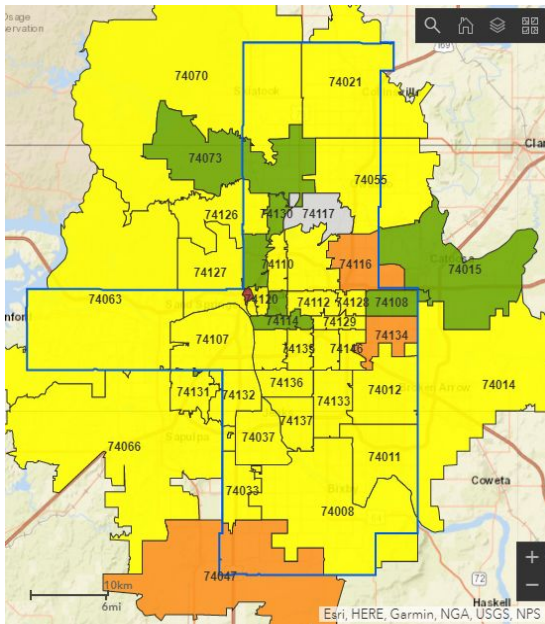
- **TPS boundary, all ages:** 14.3% lower than overall county rate
- **TPS boundary, 5-17:** 53.8% lower than overall county rate

WORKING DRAFT

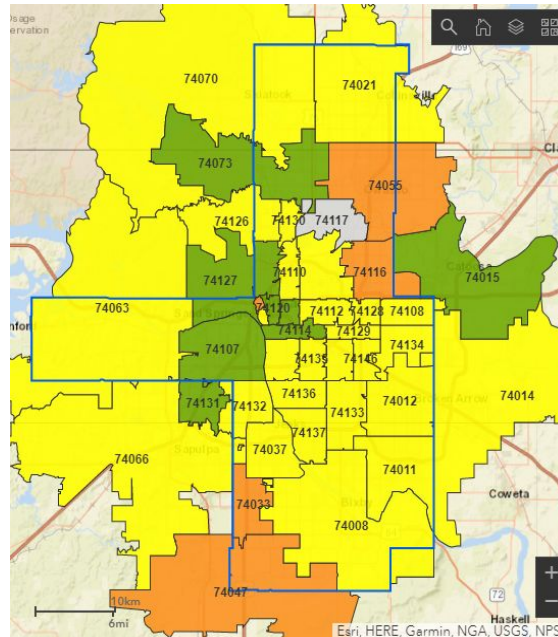
# The majority of Tulsa zip codes are now yellow (30), with zero zip codes in red or dark red and 9 zip codes in green.

Updated

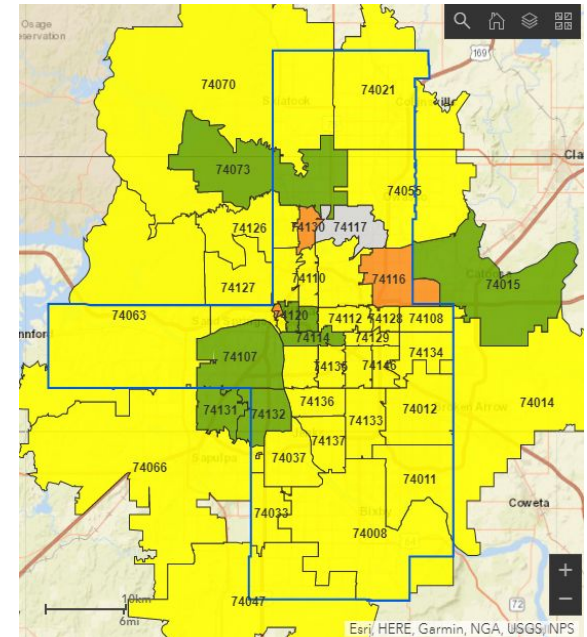
3/16/21



3/24/21



3/30/21



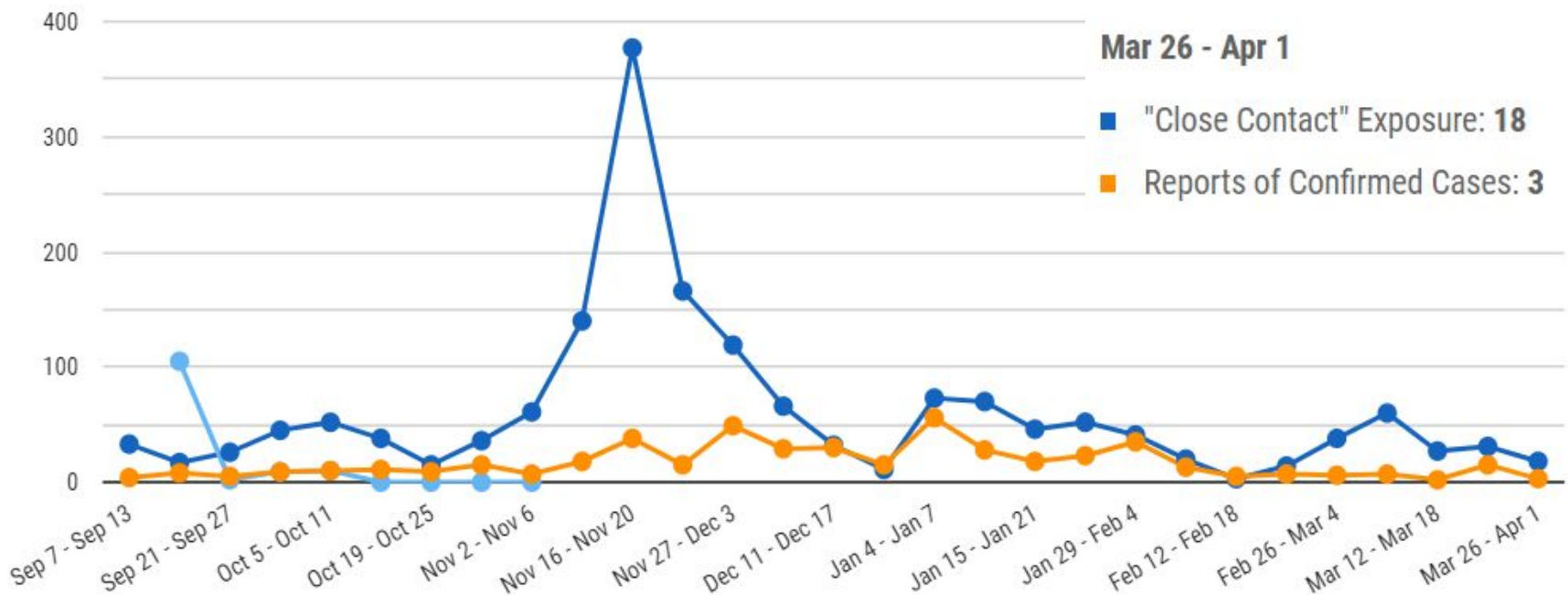
- 0 out of 42 zip codes are red or dark red. Last report was 1.

WORKING DRAFT

# Early Warning Indicators at TPS Schools - TREND

Updated

Number of **potential exposures**, **close contact exposures**, and **confirmed cases** found by Tulsa Public Schools over time



\* Report cover cases from the previous Friday through the close of business on Thursday.

WORKING DRAFT

# Local District Comparison - TREND

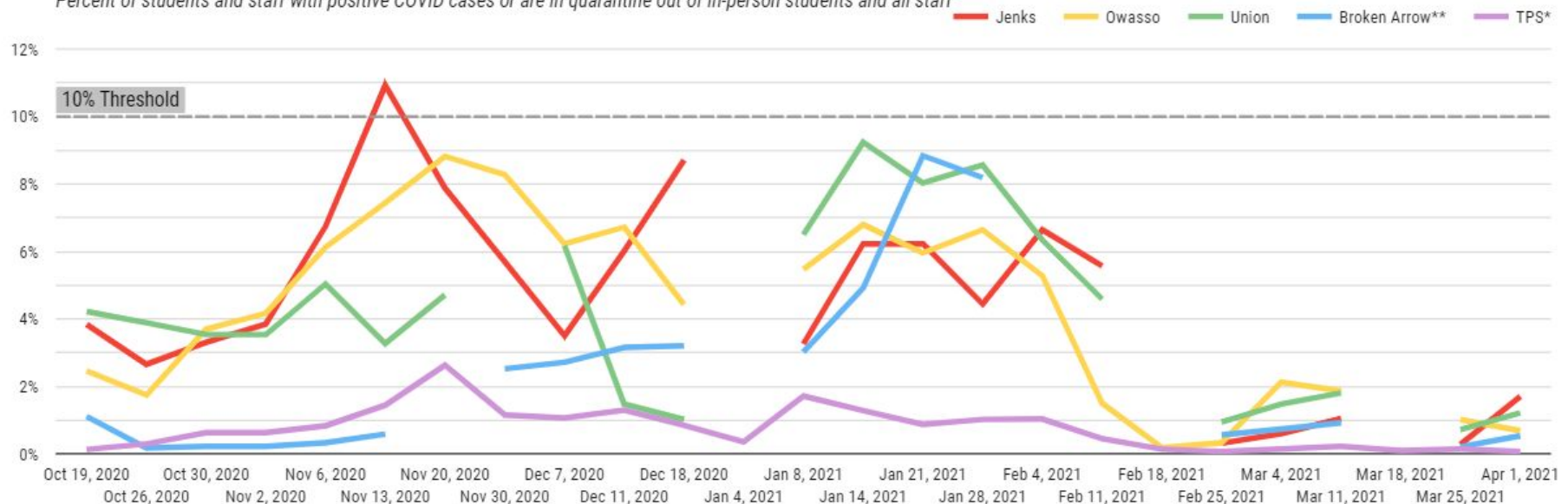
Apr 1, 2021

Updated

- Jenks: 1.7%
- Owasso: 0.69%
- Union: 1.21%
- Broken Arrow\*\*: 0.53%
- TPS\*: 0.07%

## Local District Comparisons Over Time

Percent of students and staff with positive COVID cases or are in quarantine out of in-person students and all staff



Data sources: district websites

\*TPS in-person students include only 1500 active student athletes, and only includes new cases/exposures from the past week; Jan 4 data represent total cases from 12/15 - 1/4; \*\*Broken Arrow Public Schools began including number of students in quarantine on November 30, 2020; did not report numbers for week of 2/4 as district moved to distance. Most districts were distance the week of 2/15-19; TPS was in intersession this week; most districts were in spring break 3/12-18 and did not report data;

WORKING DRAFT

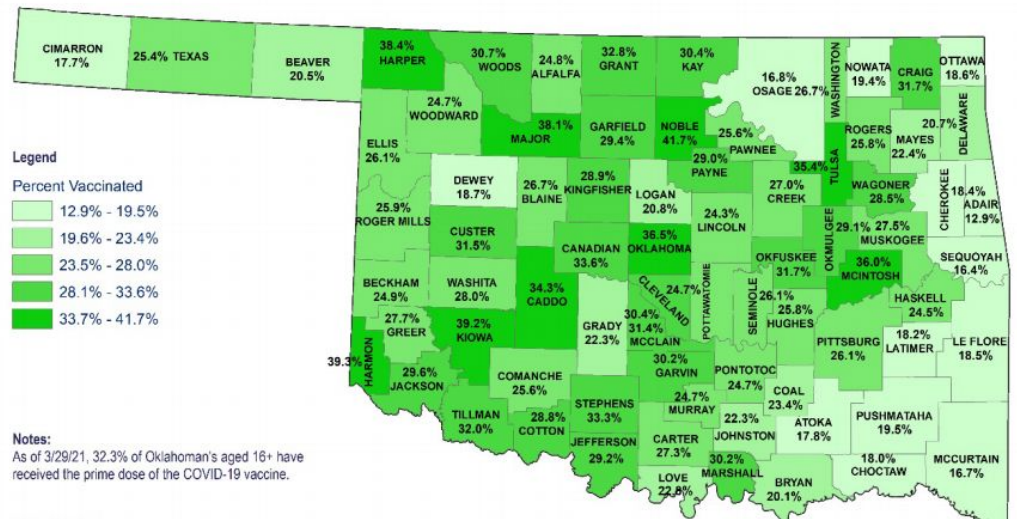
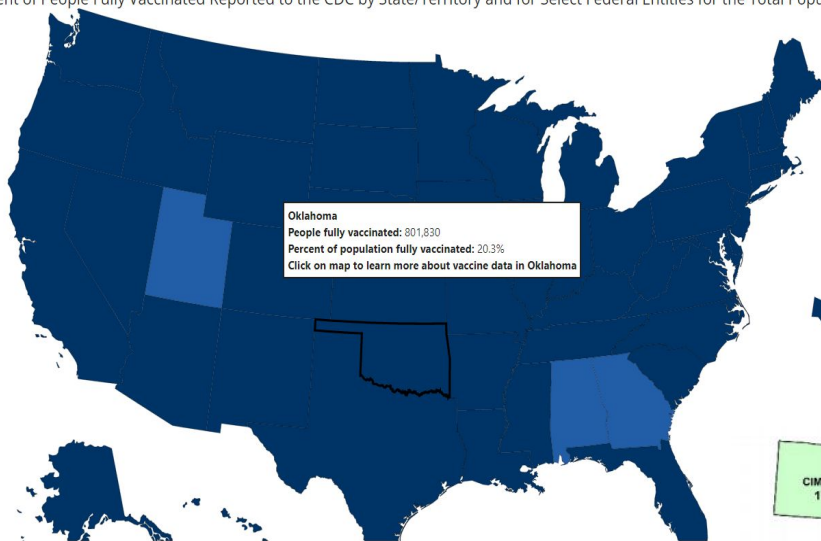


# 20.3% of Oklahomans have now been fully vaccinated

## 33.0% have received at least one dose in Oklahoma

## 35.4% have received at least one dose in Tulsa County

Percent of People Fully Vaccinated Reported to the CDC by State/Territory and for Select Federal Entities for the Total Population



# Foundational System Metrics - Staffing & PPE

Updated

- Support professionals -
  - No changes from last report on operations teams.
  - Continue to provide supports and work on recruitment.
- School site staffing -
  - Monitoring staffing levels daily.
  - Schools actively managing through absences/leaves.
- Substitutes
  - Needs remain consistent, and we continue to work on recruiting efforts.
  - Number of applicants have slowly started to increase but not significant increase in active subs filling requests.
- PPE & Safety equipment
  - We continue to have necessary stock of PPE supplies and we have been delivering to schools per requests.

WORKING DRAFT

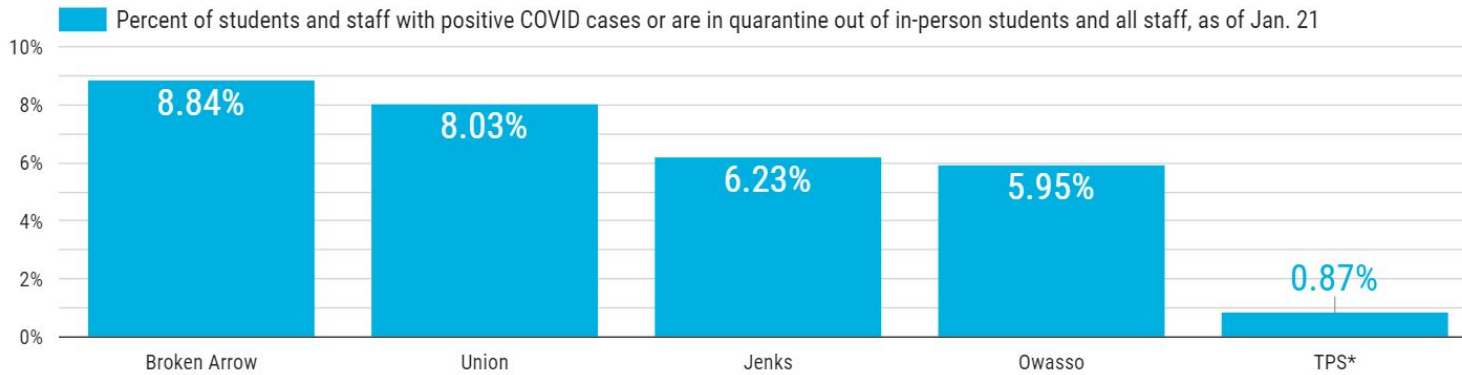




# DISCUSSION

# Early Warning Indicators at TPS Schools

UPDATED



School District	Number of positive student cases/quarantined students	Total number of in-person students	Number of positive staff cases/quarantined staff	Total number of staff	Number of positive cases/quarantined individuals	Total number of in-person students and all staff	Percent of students and staff with positive COVID cases or are in quarantine out of in-person students and all staff, as of Jan. 21
Broken Arrow	1708	18658	149	2350	1857	21008	8.84%
Union	921	11107	126	1928	1047	13035	8.03%
Jenks	697	10573	67	1697	764	12270	6.23%
Owasso	474	7742	55	1142	529	8884	5.95%
TPS*	17	1500	47	5864	64	7364	0.87%

Data source: District websites

## New COVID-19 Variants - Update

- “Early data on one new variant had suggested that it was spreading more in children than in adults compared with other lineages. But researchers now suggest the variant is spreading more efficiently in all age groups, allaying those fears.” - [Nature \(1.21.21\)](#)
- “The conclusion is that the UK strain is 50% to 75% more infective, boosting its reproduction number  $R_t$  from  $\sim 1$  toward 2.” - [Arizona State University \(1.12.21\)](#)