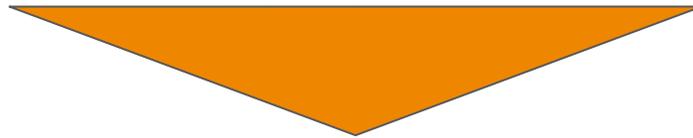


1/25/21 COVID-19 HEALTH DATA UPDATE

Briefings are posted on our website at 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 1/25 health data review

Foundational Health Care Metrics

- Trends have decreased over the last week across country, state, and county.
- New UK variant more infectious; likely present in our state, but no identified major outbreaks locally.
- Hospitalizations remain at high levels in Tulsa County.

Early Warning Indicators

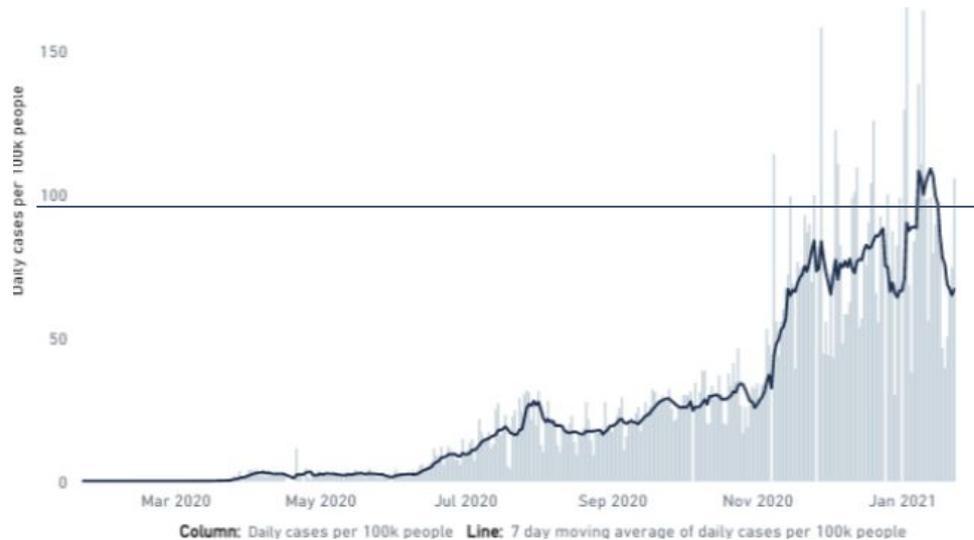
- Case counts for TPS remain stable at a low level.
- Vaccination of 65+ age group in team Tulsa continues. 294 vaccinated in 3 days.

Foundational System Metrics - *No changes from 1/15 update*

- Staffing levels for teacher and support professionals are areas of concern that we continue to monitor closely.
- We are seeing a small increase in applications to vacant positions, but those have not yet translated into positions filled.

New cases have steadily declined this week after reaching record highs.

Oklahoma: 66.9 as of 1/23



Tulsa County: 68.2 as of 1/23

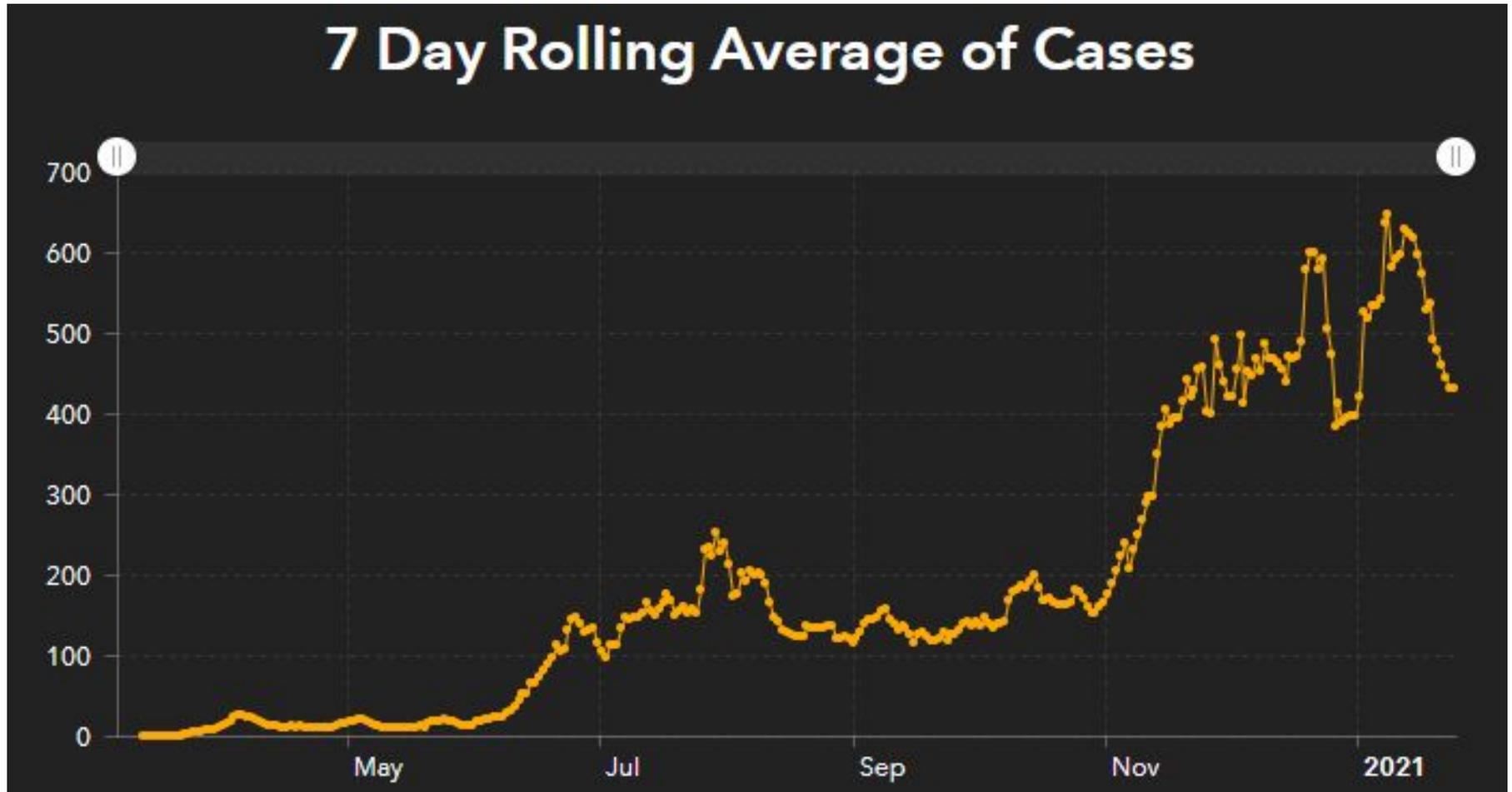


From 1/15 report:

- Oklahoma: 108.1 as of 1/13
- Tulsa County: 96.5 as of 1/13

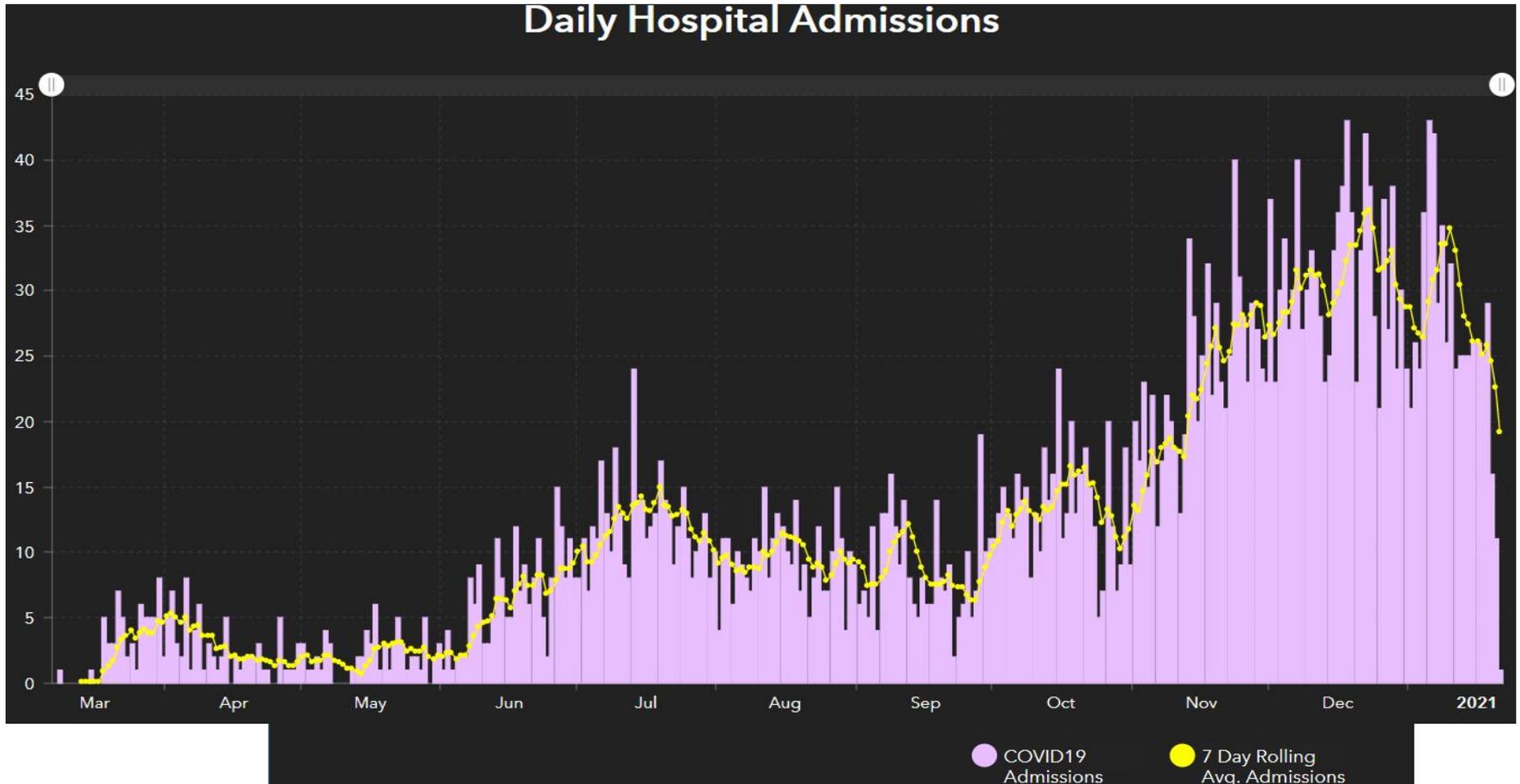
Updated

Foundational Health Care Metrics - 7 Day Rolling Average



Source: Tulsa Health Department. Data reported on 1/24 - 7 day rolling average is 431.1. On 1/13/21, the reported 7 day rolling average was 622.9.

Hospitalizations continue to stay at near record highs. Changes usually lag new case rates by a few weeks.



* This data represents only Tulsa County residents who have been admitted to a hospital.

* Previous few day admissions are preliminary numbers and subject to change.

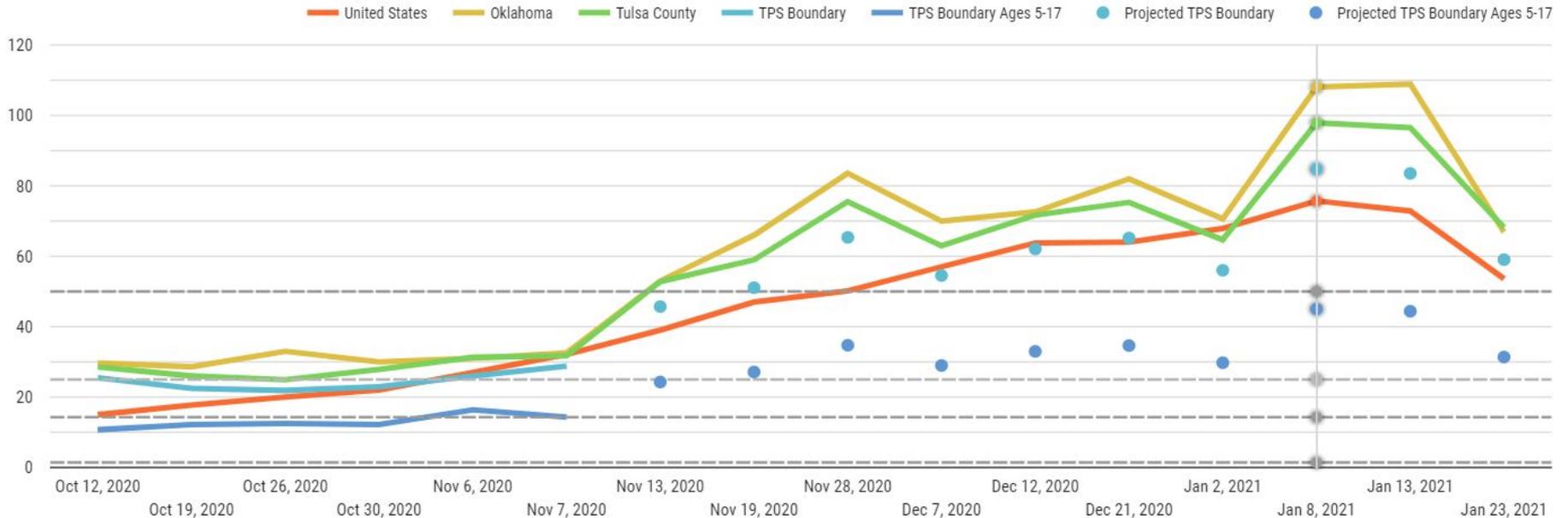
Foundational Health Care Metrics

Updated

Jan 23, 2021

- United States: 53.6
- Oklahoma: 66.9
- Tulsa County: 68.2
- Projected TPS Boundary: 59.04
- Projected TPS Boundary Ages 5-17: 31.37

7-day Rolling Average New Cases per 100,000



Data sources: globalepidemics.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:

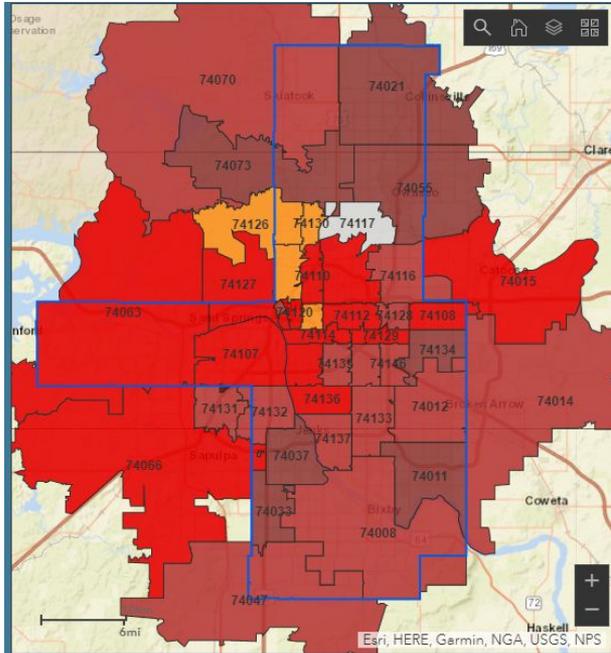
- **TPS boundary, all ages:** 14.3% lower than overall county rate
- **TPS boundary, 5-17:** 53.8% lower than overall county rate

WORKING DRAFT

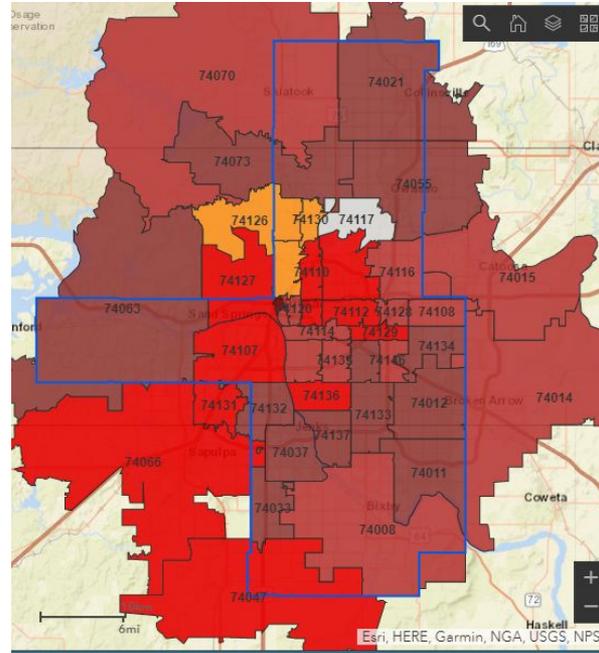
The majority of Tulsa county is now red and dark red

Updated

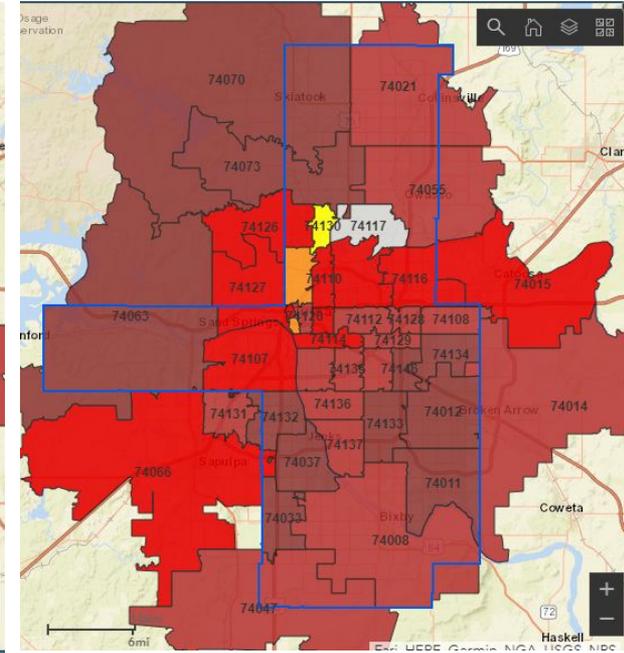
12/30/20



1/8/21



1/22/21



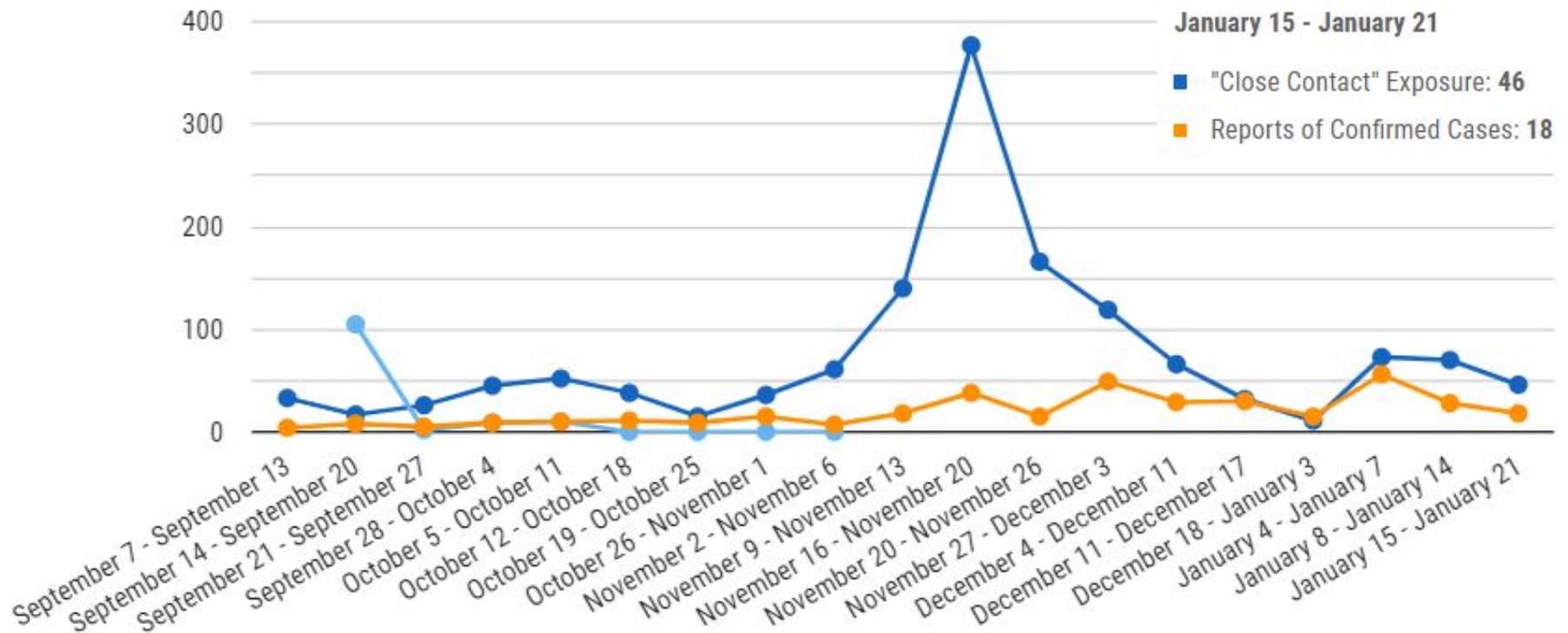
- 28 out of 42 zip codes are dark reds. Last report was the same number.

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

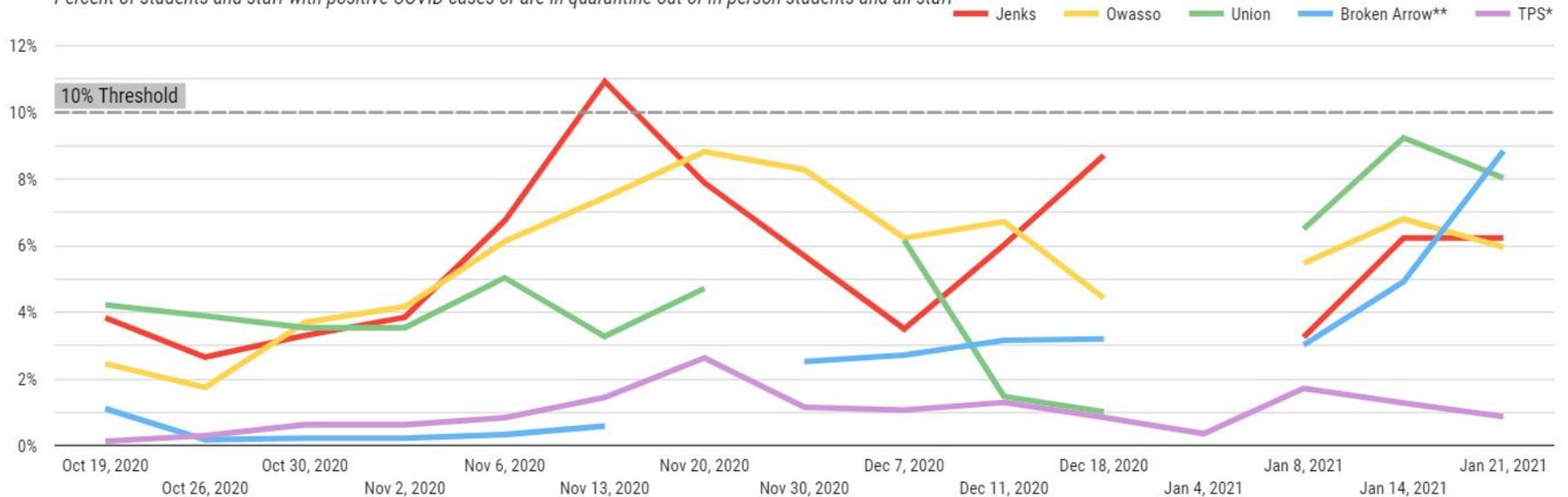
Jan 21, 2021

- Jenks: **6.23%**
- Owasso: **5.95%**
- Union: **8.03%**
- Broken Arrow**: **8.84%**
- TPS*: **0.87%**

Updated

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

WORKING DRAFT

Foundational System Metrics - Staffing

No changes from 1/15 update

- Staffing levels for teacher and support professionals are areas of concern that we continue to monitor closely.
- We have approximately 250 team members working remotely day to day.
 - Current rates represent approximately 10% of certified teaching staff.
 - It impacts schools differently depending on who is out.
- We have approximately 300 team member out on leave each day (combination of FMLA and daily absences). Length of leave fluctuates more than expected.
- Operations support professionals
 - High levels of vacancy in custodial, child nutrition and transportation teams
 - We are have been working on contingency plans to support in person learning, and some services may need to be modified.
 - Recruiting efforts are not yielding additional positions being filled at this time.

Update on Covid-19 Vaccine for PreK-12 school employees

Vaccination

- ~500 staff who are 65+, nurses, or health care assistants are now able to schedule their vaccinations at multiple TPS sites, administered by THD
- 294 vaccinations have been done to date (3 days vaccinating).
- We expect to complete vaccination of 65+ group this week and we are working with THD to start next group.

New COVID-19 Variants - Update

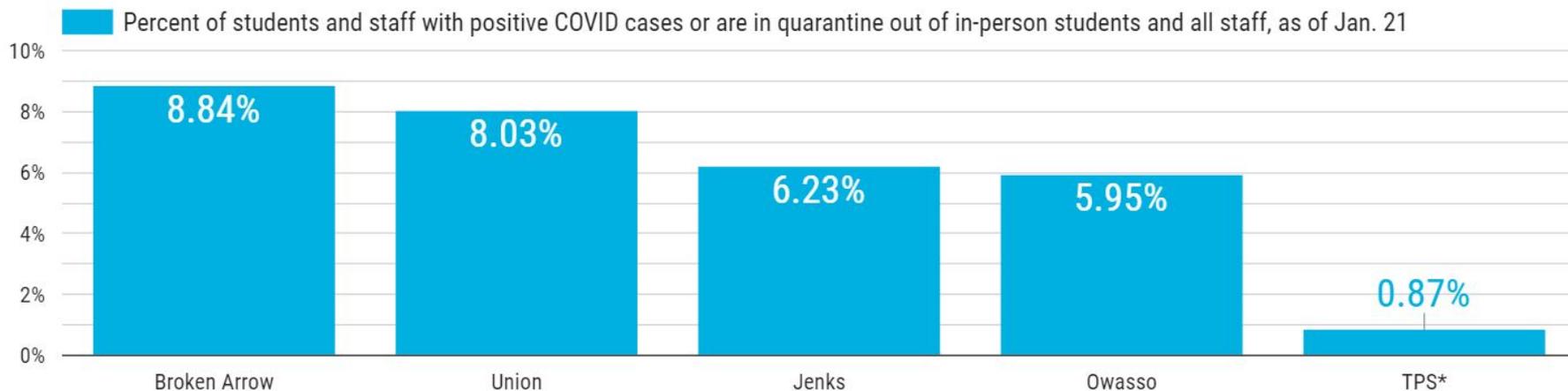
- “Early data on one new variant had suggested that it was spreading more in children than in adults compared with other lineages. But researchers now suggest the variant is spreading more efficiently in all age groups, allaying those fears.” - [Nature \(1.21.21\)](#)
- “The conclusion is that the UK strain is 50% to 75% more infective, boosting its reproduction number R_t from ~ 1 toward 2.” - [Arizona State University \(1.12.21\)](#)
- There is new evidence that suggests UK Coronavirus variant is in Oklahoma. - [OK Department of Health \(1.22.21\)](#)



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

WORKING DRAFT