

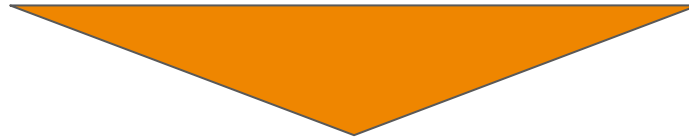
2/1/21 COVID-19 HEALTH DATA UPDATE

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 2/1 health data review

Foundational Health Care Metrics

- Steady decline over last few weeks.
- Rates might be stabilizing at the lower boundary of what we've seen since cases started to dramatically rise mid-November.

Early Warning Indicators

- Case counts for TPS remain stable at a low level.
- 430 vaccinated to date of 65+ age group in team Tulsa.

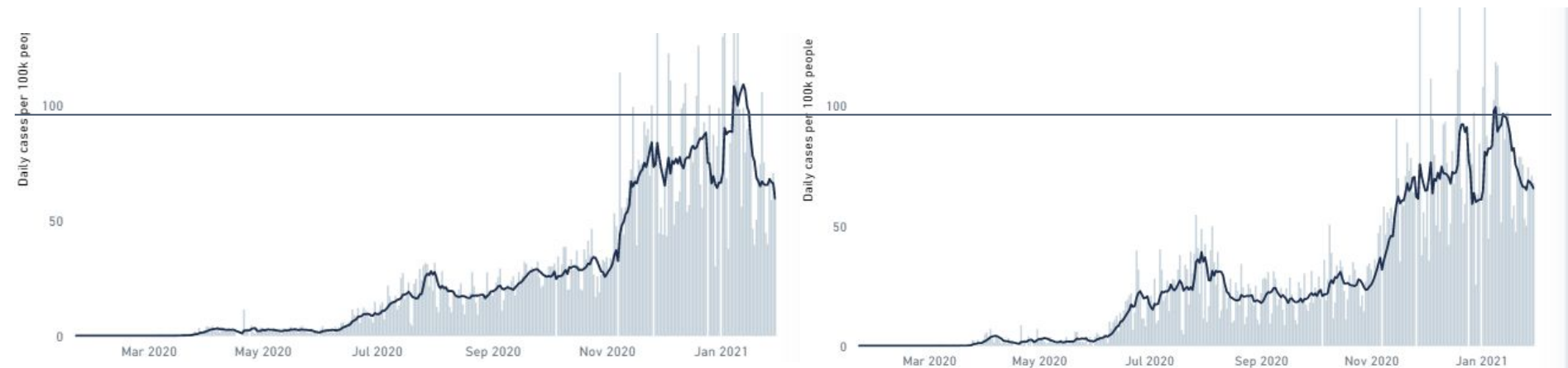
Foundational System Metrics

- We continue to monitor closely and work on staffing levels for teacher and support professionals.
- We are seeing a small increase in applications to vacant positions and a few are being filled.

New cases have begun to stabilize after decreasing for nearly two straight weeks. New case rates are now on par with late November levels.

Oklahoma: 59.5 as of 1/30

Tulsa County: 65.6 as of 1/30

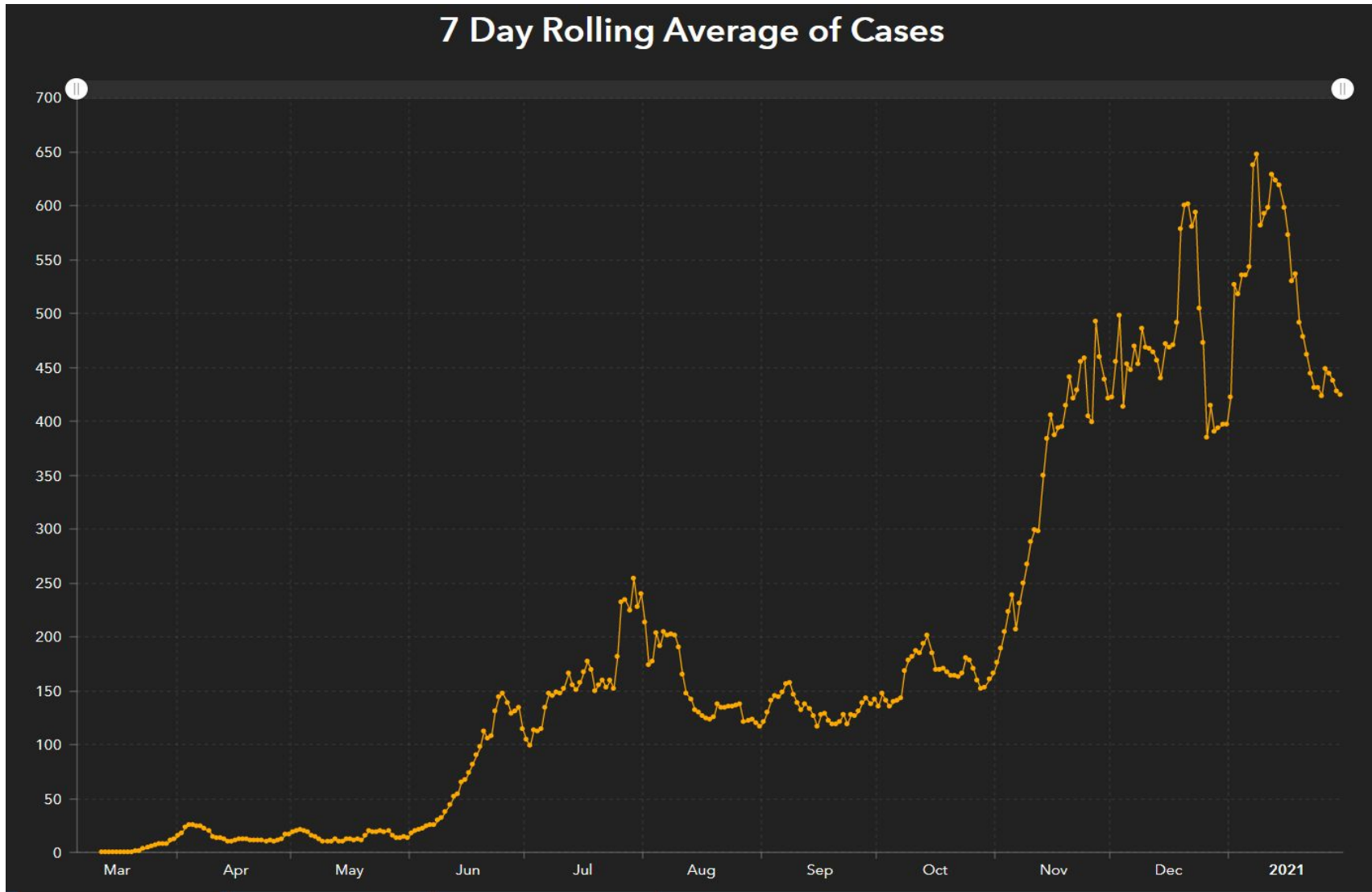


From 1/25 report:

- Oklahoma: 66.9 as of 1/23
- Tulsa County: 68.2 as of 1/23

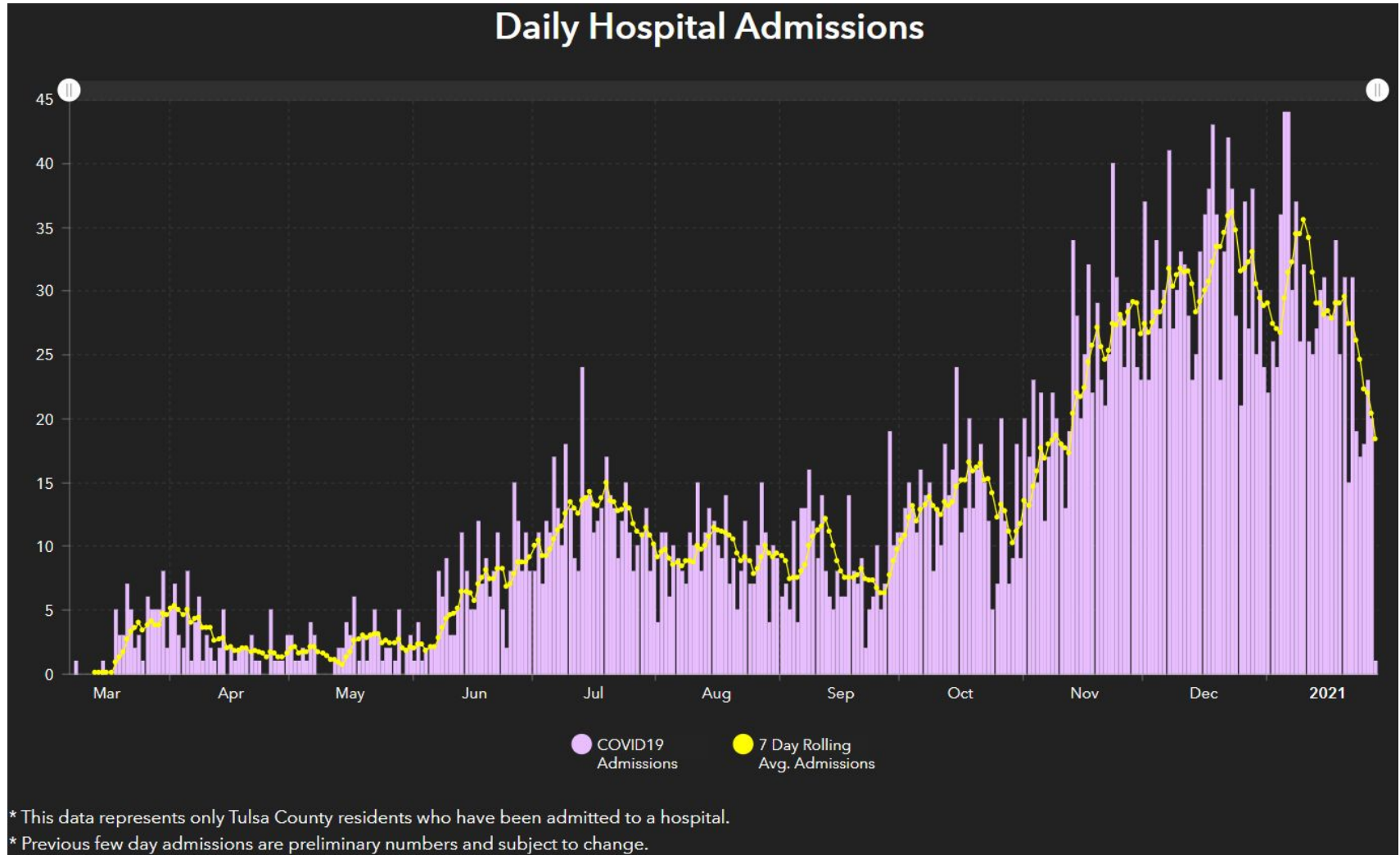
Updated

Foundational Health Care Metrics - 7 Day Rolling Average



Source: Tulsa Health Department. Data reported on 1/30 - 7 day rolling average is 424.3. On 1/24/21, the reported 7 day rolling average was 431.1.

**Hospitalizations have begun to trend down.
Changes usually lag new case rates by a few weeks.**



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>

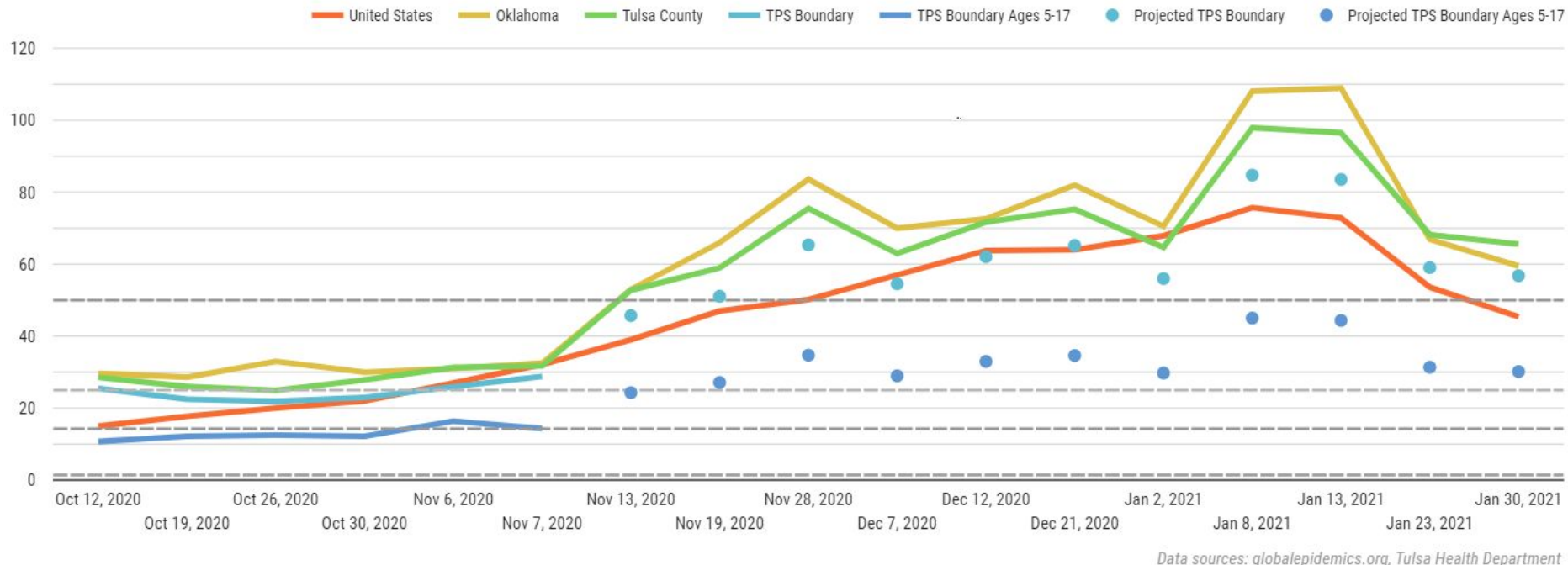
Foundational Health Care Metrics

Updated

Jan 30, 2021

United States: 45.4
Oklahoma: 59.5
Tulsa County: 65.6
Projected TPS Boundary: 56.79
Projected TPS Boundary Ages 5-17: 30.17

7-day Rolling Average New Cases per 100,000



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:

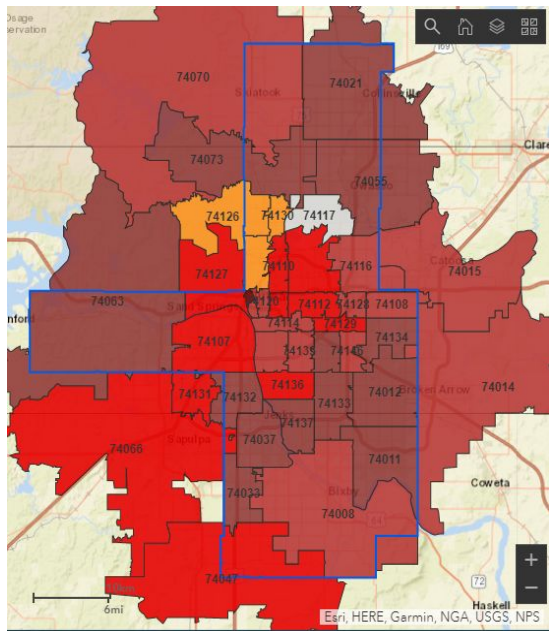
- **TPS boundary, all ages:** 14.3% lower than overall county rate
- **TPS boundary, 5-17:** 53.8% lower than overall county rate

WORKING DRAFT

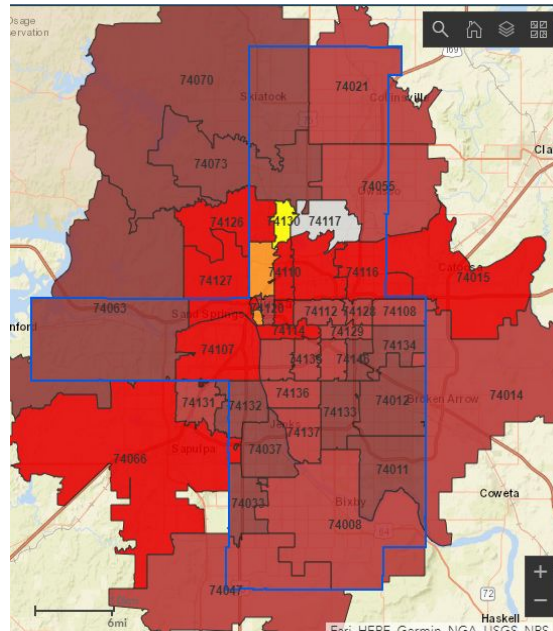
The number of zip codes in dark red has decrease.

Updated

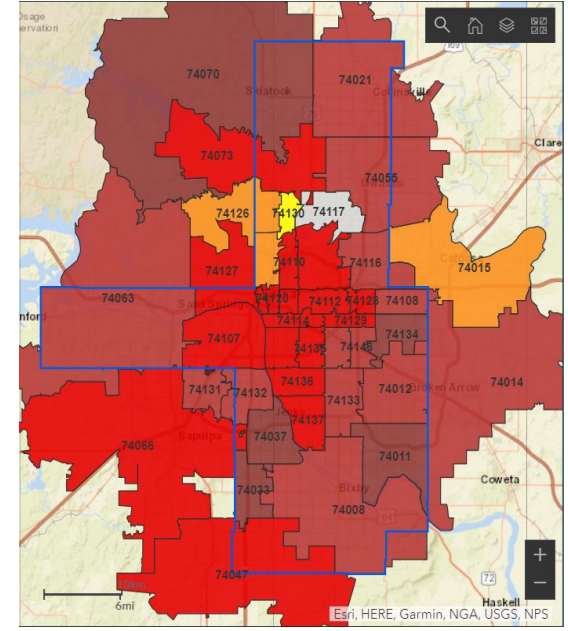
1/8/21



1/22/21



1/29/21

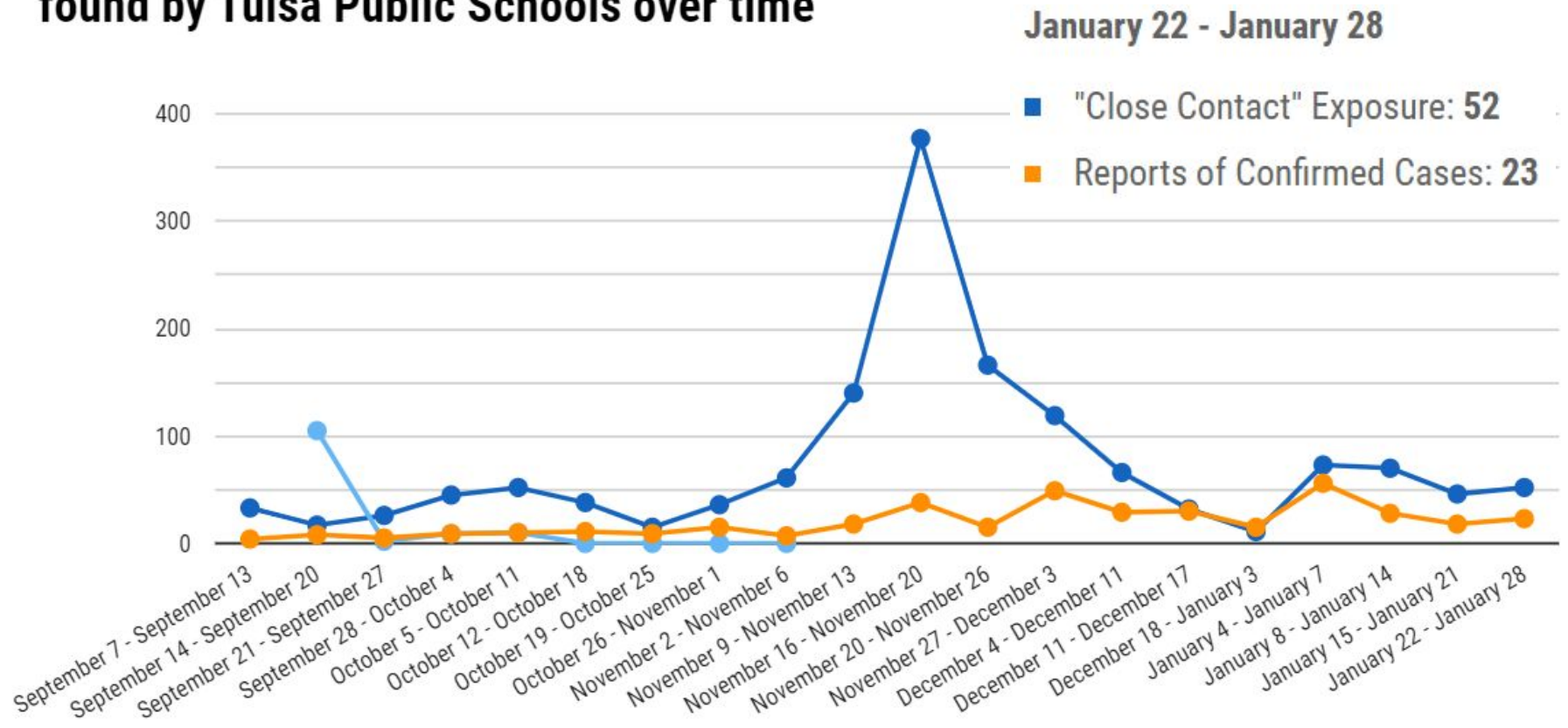


- 19 out of 42 zip codes are dark red. Last report was 28.

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

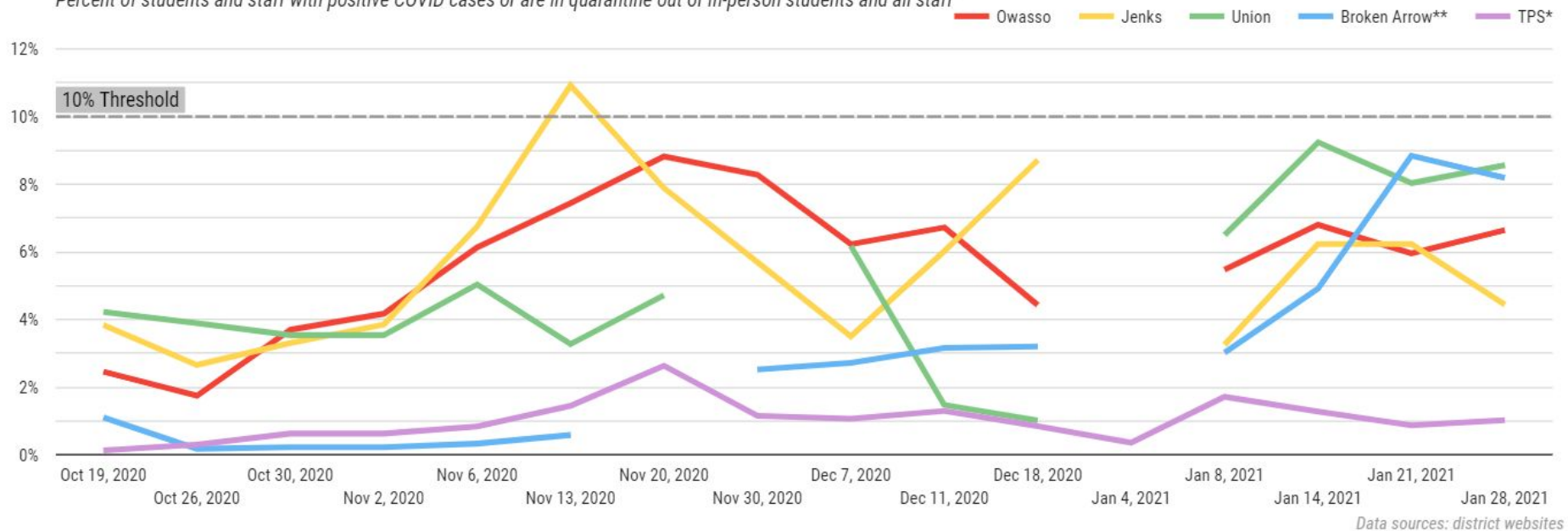
Jan 28, 2021

- Owasso: **6.64%**
- Jenks: **4.44%**
- Union: **8.56%**
- Broken Arrow**: **8.19%**
- TPS*: **1.02%**

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

- Support professionals - continue to remain at similar levels of vacancies but starting to see positive movement from recruiting and have contingency plan with temporary staff for custodians.
- School site staffing - overall no changes from last week.
- Substitutes - needs remain consistent, and we are increasing recruiting efforts.

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

Vaccination

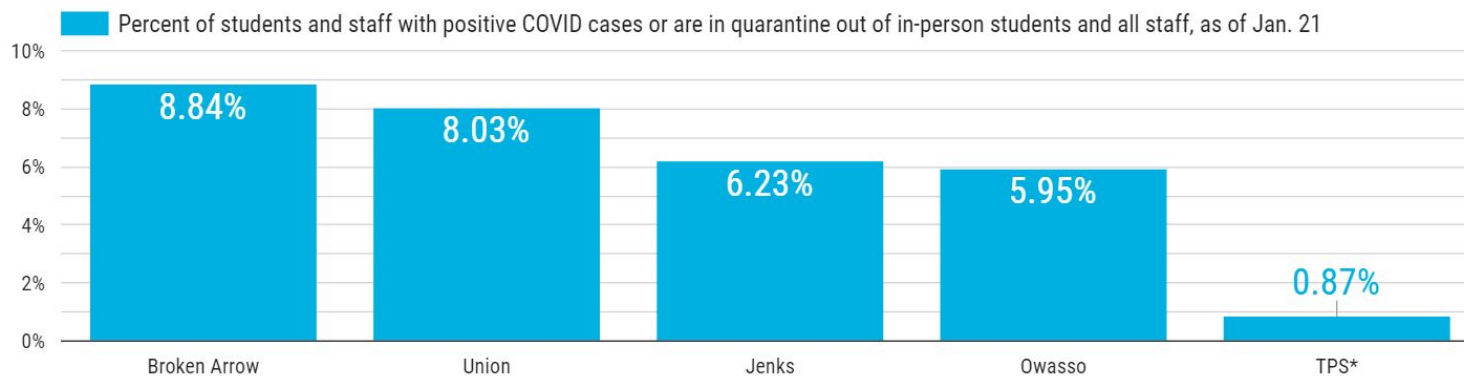
- 430 vaccinations have been done to date.
- Working to get 65+ group that has not been able to schedule appointment completed this week.
- We are working with THD to start next group on week of February 8.



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

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 \(1.12.21\)](#)