

COVID-19 Health Data Updates

Board of Education Meeting

November 16, 2020

DRAFT

We have been following the Health Data Monitoring Process established

- The three categories of metrics will be 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.

Foundational & Contextual Data Monitored and Evaluated Weekly

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

Based on current analysis, research, and input from health care experts, we will continue in-person learning this week for our pre-kindergarten-3rd grade students.

Early Warning Indicators

- Over the last week, our contact tracing numbers have doubled; we believe this is relative to the increase in people in our buildings.
- Out of a total of 631 PK-3 classrooms district-wide, 10 were shifted to distance for this week; 4 athletic teams (representing two schools) are in quarantine.
- Our schools have strong practices and protocols in place; based on our current data, **COVID-19 exposures are happening outside of our schools.**
 - This trend is consistent with the experiences of school districts in our area and beyond.

High level assessment from 11/16 health data review

continued

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School System Metrics

- We are maintaining adequate levels of personal protective equipment across the system.
- Due to team members on leave or in quarantine/isolation, staffing levels are stretched but not yet critical.
 - Our Transportation and Custodial teams are at capacity; our Child Nutrition team has shifted secondary staff to support meal service at elementary;
 - Our health services team continues to experience shortages due to leaves and quarantines, the Student and Family Support Services team is providing coverage at impacted school sites;
 - We continue to face a shortage of substitute teachers; early childhood teacher assistants are helping to cover classes.
 - The Talent Management team continues to process leave of absence requests that represent less than 1% of staff at this moment in time.

High level assessment from 11/16 health data review

continued

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Health Care Metrics

- The 7-day rolling average for Tulsa County has reached the 50+ threshold.
- While Tulsa Country rates are increasing, the rates in our district boundary and for students ages 5-17 are also increasing but continue to be below the county average.

Other Considerations

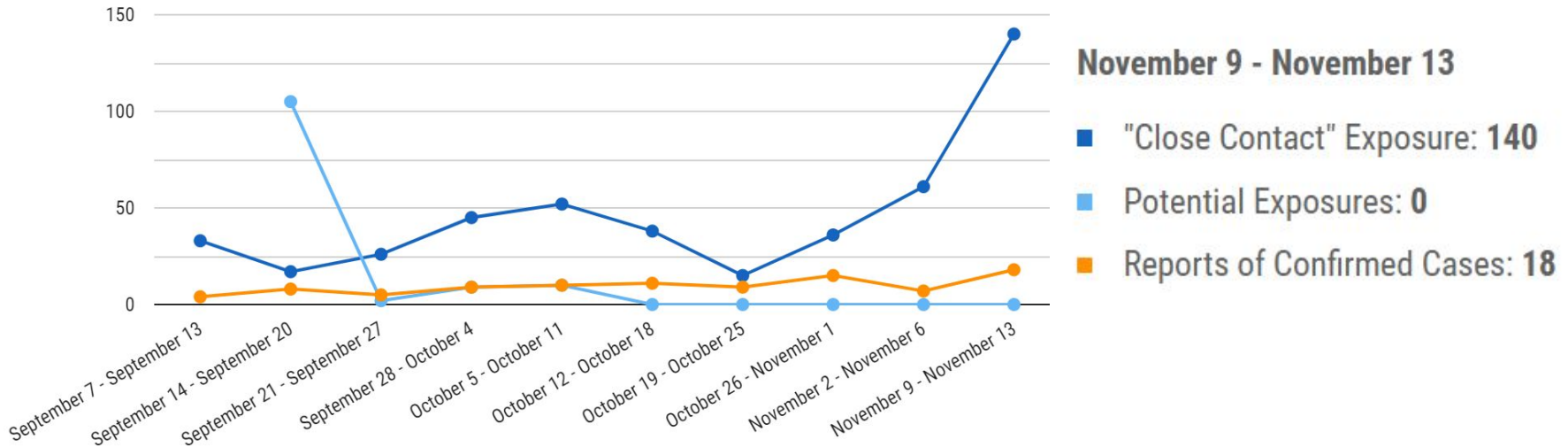
- Without additional safety measures *outside of schools* **and** if nothing changes in surrounding areas, it is likely that our rates will increase.

RECOMMENDATION:

- Convene our Board of Education for a **special meeting this week** to include a full review and evaluation of health data, discussion, and potential action.

Early Warning Indicators at TPS Schools - TREND

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



Number of **positive** COVID rapid tests administered by Tulsa Public Schools over time

* Report cover cases from the previous Friday through the close of business on Thursday. Friday October 30th will be reported next week.

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Early Warning Indicators at TPS Schools

- Key Covid response actions taken during first week (as of 11/15):
 - 7 Pre-K & 3 Kinder classrooms (out of a total 631 PK-3 homerooms/classrooms) have shifted to distance learning.
 - 4 basketball teams at 2 schools where quarantined
- In person students and staff numbers for reference:
 - Week of 11/9-13 with PreK-K back:

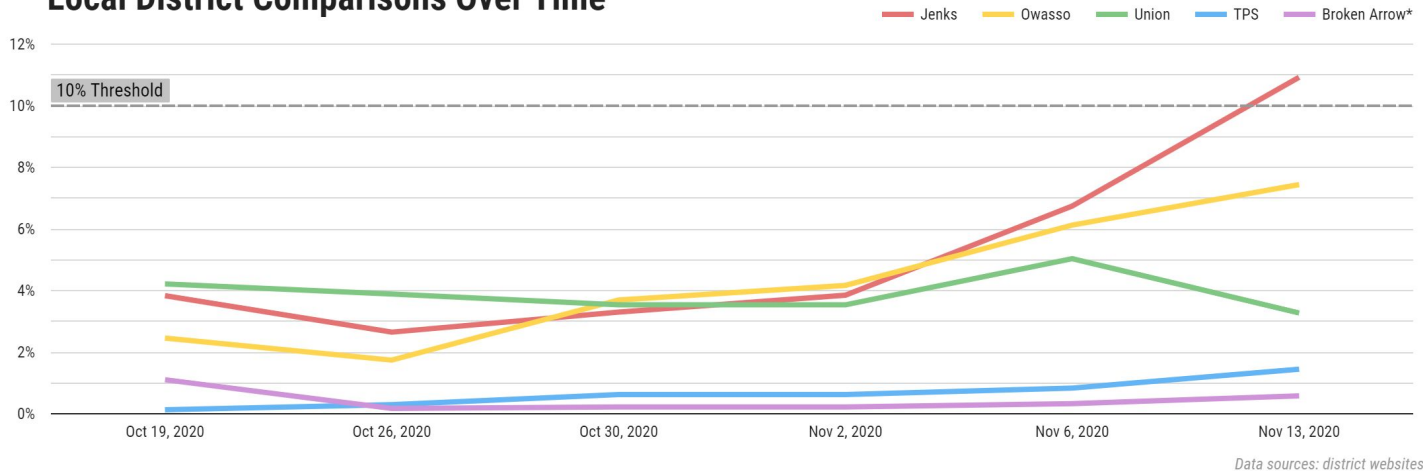
■ Staff	5,864
■ Students in person (includes athletes)	5,073
■ Total	10,937
 - Week of 11/16-20 with PreK-3 back:

■ Staff	5,864
■ Students in person (includes athletes)	9,924
■ Total	15,788
 - Week of 11/30 4-6 back (elementary only):

■ Staff	5,864
■ Students in person (includes athletes)	14,287
■ Total	20,151

Early Warning Indicators at TPS Schools - TREND

Local District Comparisons Over Time



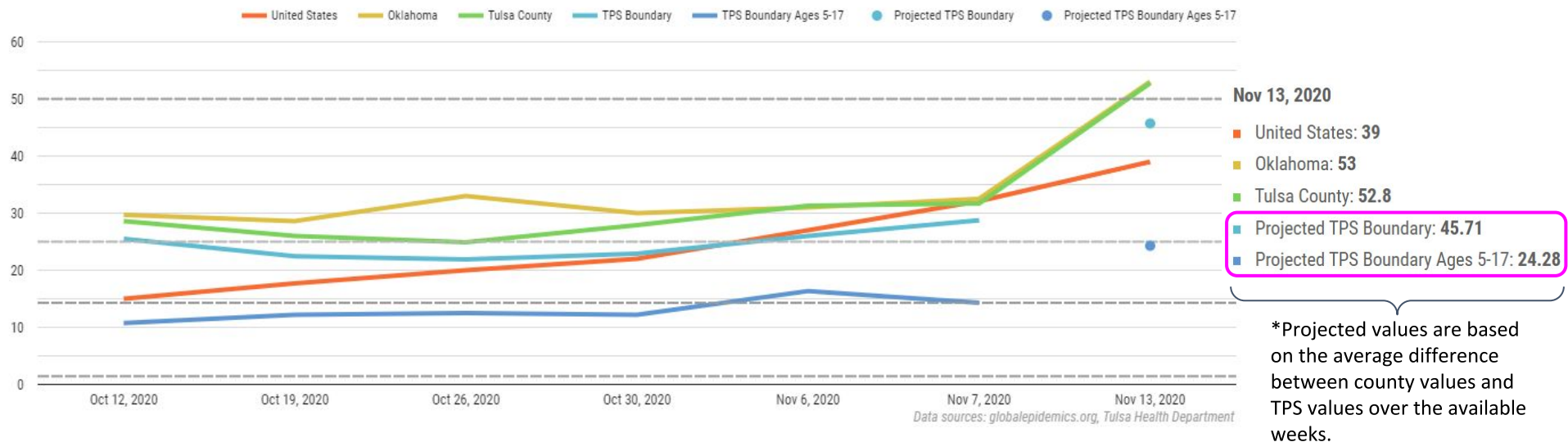
Nov 13, 2020

- Jenks: **10.93%**
- Owasso: **7.44%**
- Union: **3.27%**
- TPS: **1.44%**
- Broken Arrow*: **0.58%**
- 10% Threshold: **10.00%**

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Foundational Health Care Metrics

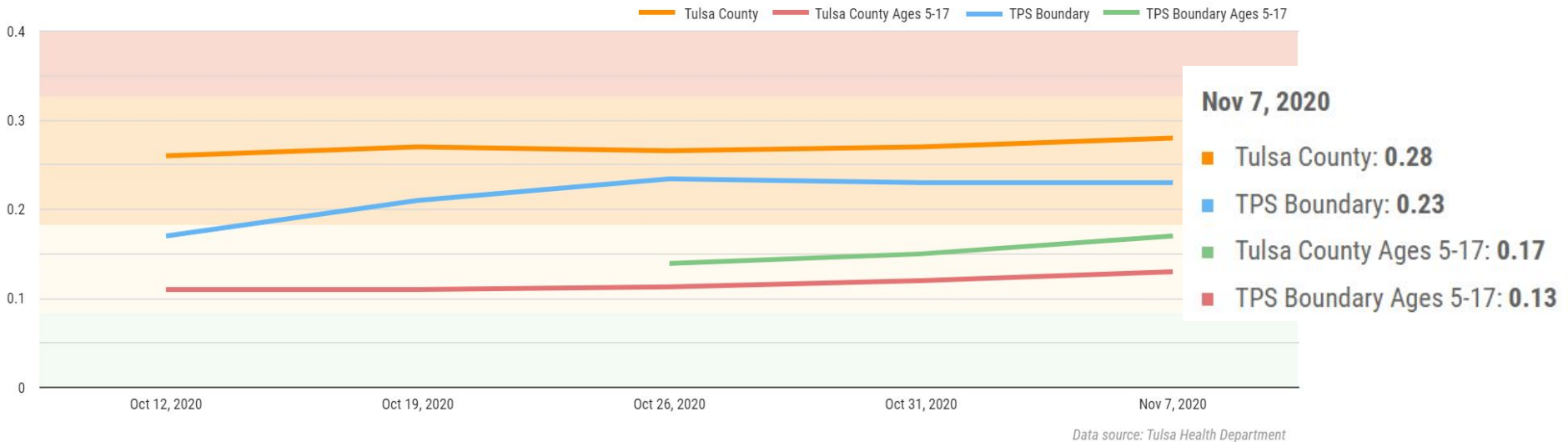
7-day Rolling Average New Cases per 100,000



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Foundational Health Care Metrics

14-day Rolling Average Daily Active Case Rate per 1000

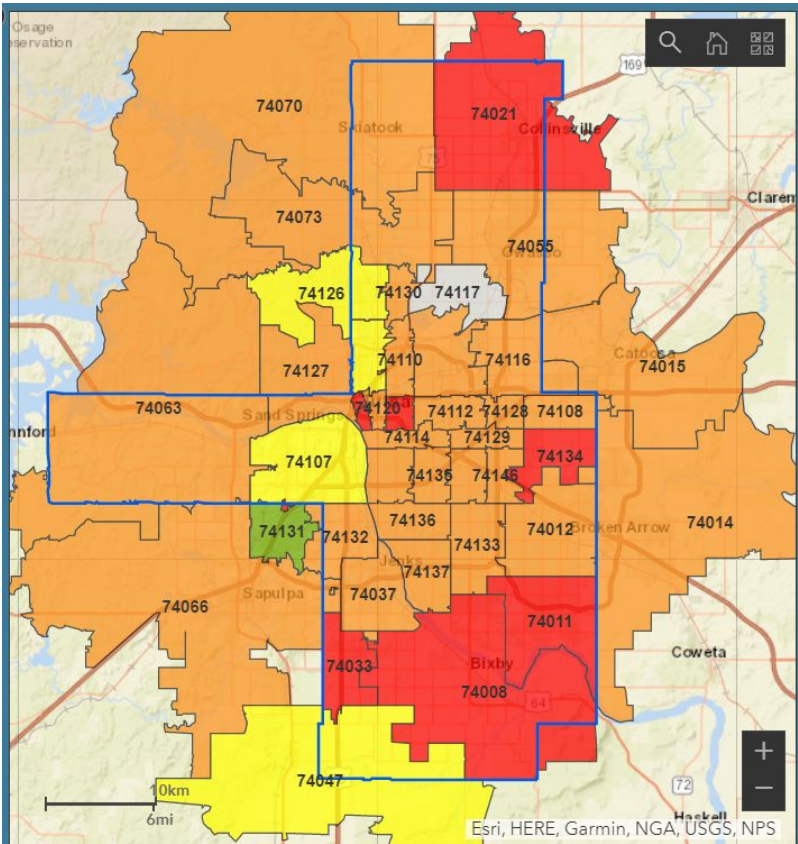


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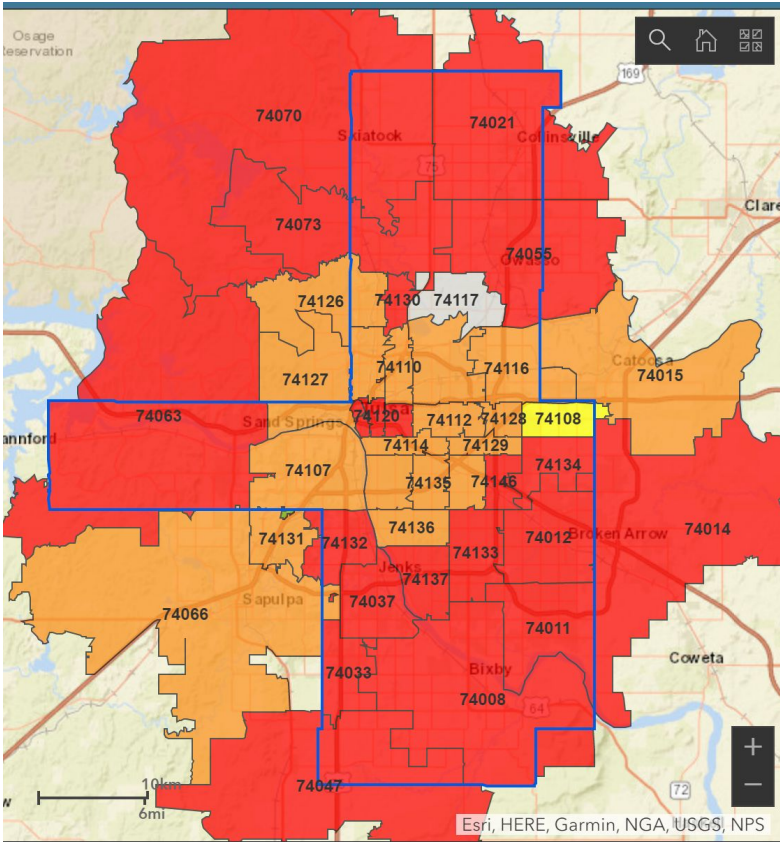
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Foundational Health Care Metrics - Tulsa Health Dept Zip Code Map

10/31/20



11/07/20



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What is our recommendation?

Based on current analysis, research, and input from health care experts, we will:

- Continue in-person learning this week for our pre-kindergarten-3rd grade students.
- Convene our Board of Education for a special meeting this week to include a full review and evaluation of health data and discussion of potential action.

Appendix

Rapid Testing Pilot



Routine testing of individuals without symptoms or any history of exposure. The objective of screening is to reduce transmission by isolating potentially infected individuals faster to protect public health. Screening tests can also be used on random subsets of a population to determine prevalence.



- Follow Covid Exposure Protocol to isolate individual, do contact tracing and enter information in Covid Tracker.
- Process for referring team member/student who tests positive during screening.
 - Referral to PCR testing
 - Follow Covid Exposure Protocol
- Managing of data - capturing & reporting
 - Notifying designated people of positive cases
 - Share data for early indicator monitoring

Diagnosing symptomatic individuals and close contacts of those infected for clinical and public health decision-making.



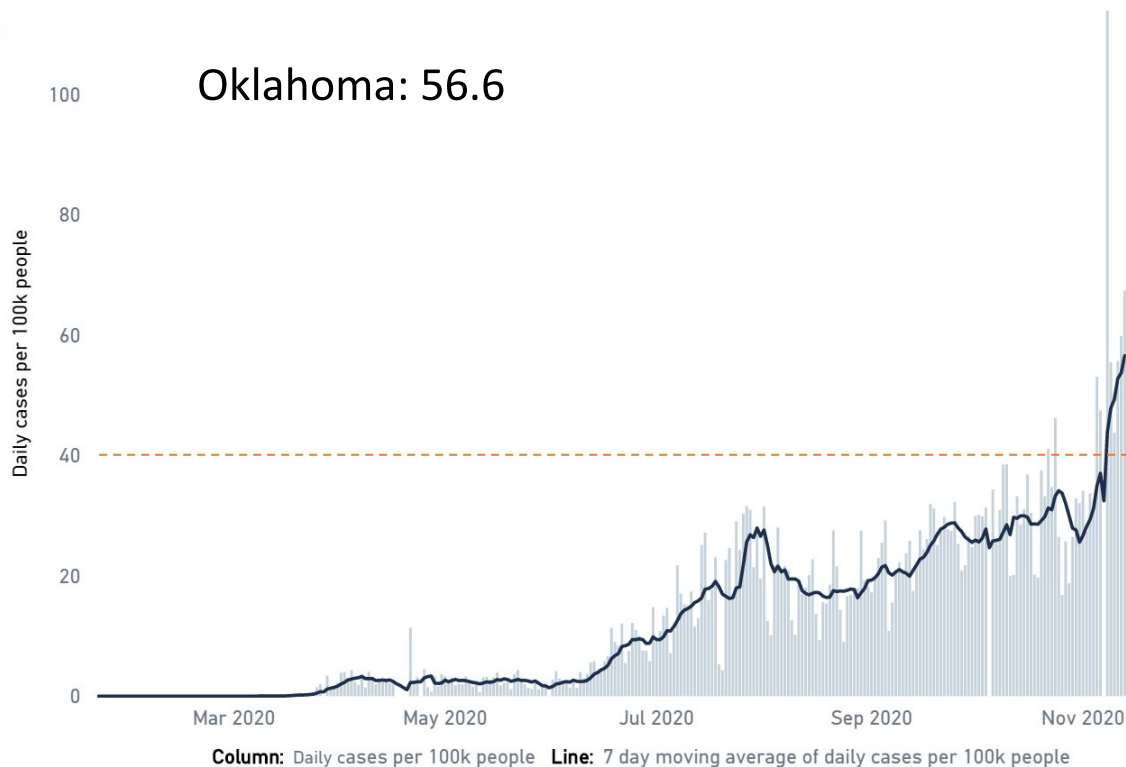
- Referral process for individual who may be symptomatic to be evaluated and potentially tested.
- Connection to Covid Exposure Protocol to isolate individual, do contact tracing and enter information in Covid Tracker.
- Process for referring team member/student who tests positive during screening.
 - Referral to PCR testing
- Managing of data - capturing & reporting
 - Notifying designated people of positive cases
 - Share data for early indicator monitoring

Implementation Update

- Phase 1: Screening testing for adults at elementary schools
 - Prioritize schools in zip codes with higher covid rate (per THD tool)
 - Testing done on Wednesdays at schools
 - Testing done by trained TPS nurses & health care assistants
 - Testing is voluntary
 - Sampling methodology and size designed with THD and limited by test availability
 - Testing expected to start on 11/18
 - Use of test for diagnostic will be driven by test availability and will have options through THD
- Phase 2: Screening testing for adults at elementary schools & adults and students at secondary schools
 - Testing expected to start on 1/04
 - Design under development
 - Testing voluntary and parents can opt out
 - Use of test for diagnostic will be driven by test availability and will have options through THD
- Results will be confidentially reported to employee directly and to district through THD

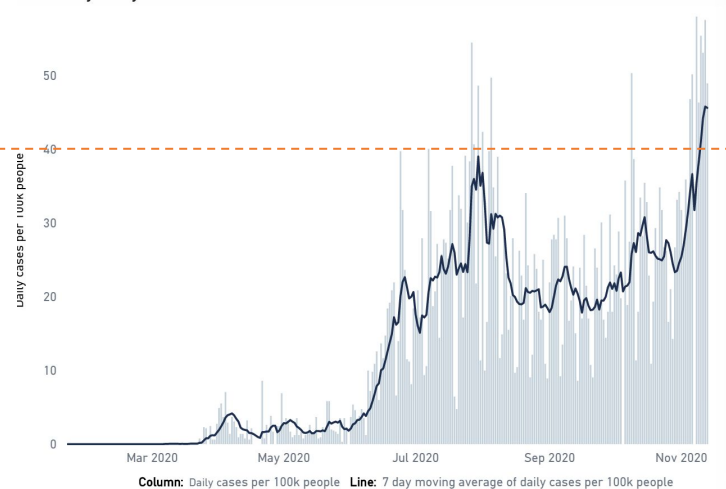
Foundational Health Care Metrics

Risk Levels by State



Tulsa: 45.6

Risk Levels by County



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Foundational Health Care Metrics

Metric	Value	Threshold Monitored	Description
Tulsa County 7-day rolling average new cases per 100,000 (total)	45.6	< 1.43 < 14.29 > 25 ≥ 50	Source: globalepidemics.org, data as of 11/13 Oklahoma: 56.6 US: 41.9
TPS boundary 7-day rolling average new cases per 100,000 (total)	28.8		Source: THD as of 11/07 (most recent available) Projected for 11/14: 45.7
TPS boundary 7-day rolling average new cases per 100,000 (5-17 age group)	14.3		Source: THD as of 11/07 (most recent available) Projected for 11/14: 24.3
Tulsa County 14 day rolling average active case rate per 1000 (total)	0.28	Red ≥ 0.34 Orange $\geq 0.18 - 0.33$ Yellow: $.09 - .17$ Green: $\leq .08$	Source: THD as of 11/07 (most recent available)
Tulsa County 14 day rolling average active case rate per 1000 (5-17 age group)	0.17		Source: THD as of 11/07 (most recent available)
TPS boundary 14 day rolling average active case rate per 1000 (total)	0.23		Source: THD as of 11/07 (most recent available)
TPS boundary 14 day rolling average active case rate per 1000 (5-17 age group)	0.13		Source: THD as of 11/07 (most recent available)

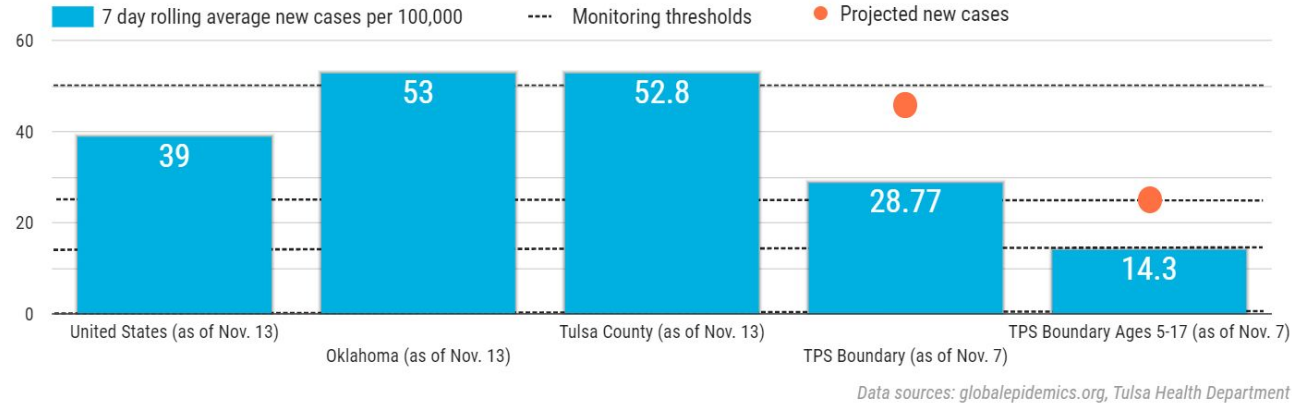
Additional data:

State Percent Positivity: 12.7 (specimen), 14.7% (Johns Hopkins) for week of 11/6 - 11/12

*All TPS boundary specific data relies on THD calculations. Data sources available update weekly and lag one week.

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Disaggregated new and active case rates are higher and don't capture last week's increase (as of 11/13)



Nov 13, 2020

United States: 39

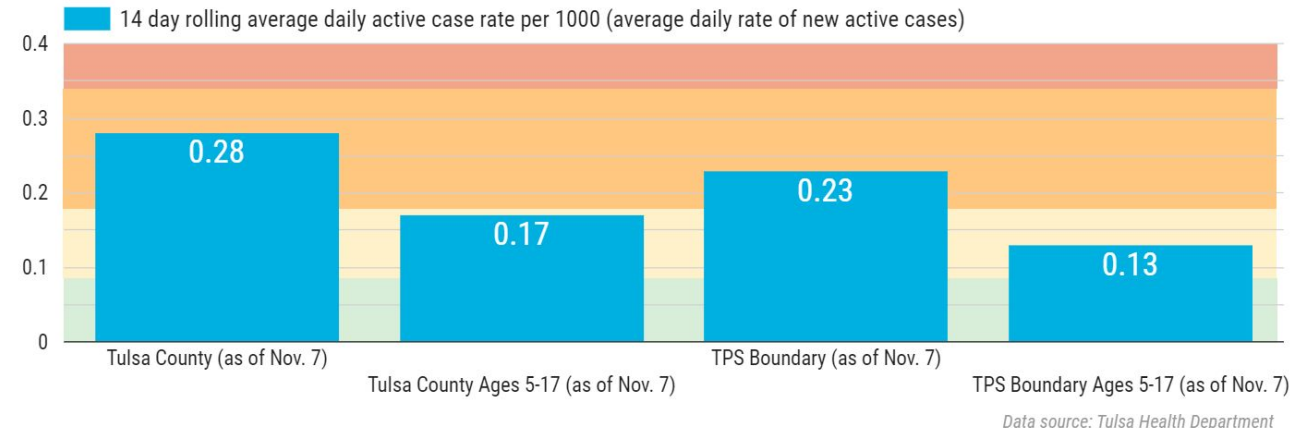
Oklahoma: 53

Tulsa County: 52.8

Projected TPS Boundary: 45.71

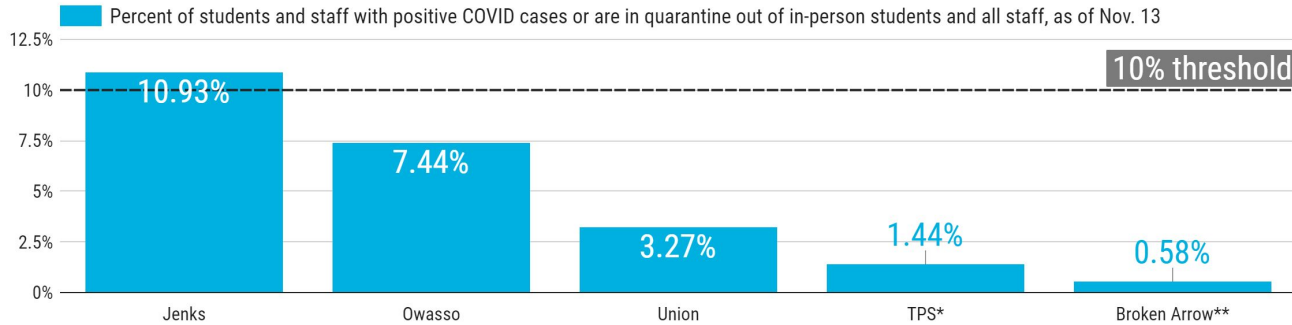
Projected TPS Boundary Ages 5-17: 24.28

*Projected values are based on the average difference between county values and TPS values over the available weeks.



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Early Warning Indicators at TPS Schools - 11/13/20 Update



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 Nov. 13
Jenks	1224	10329	90	1697	1314	12026	10.93%
Owasso	652	8143	39	1143	691	9286	7.44%
Union	263	9809	121	1928	384	11737	3.27%
TPS*	103	5073	55	5864	158	10937	1.44%
Broken Arrow**	63	15522	41	2350	104	17872	0.58%

*TPS in-person students include ESS students and student athletes

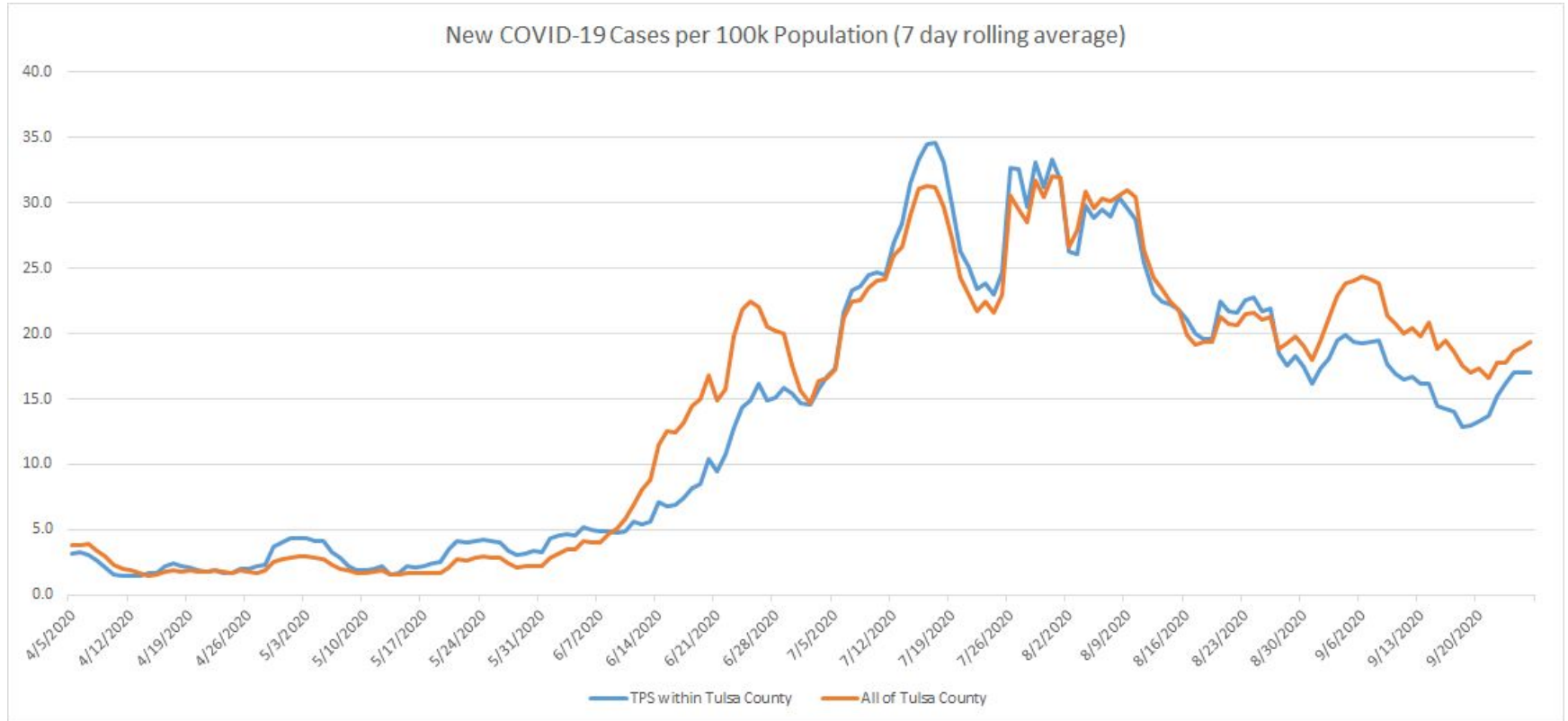
**Broken Arrow Public Schools only reports number of confirmed cases and does not include quarantined students

Data source: District websites

Average age of students by grade level

[illegible]

Historical TPS vs County trends

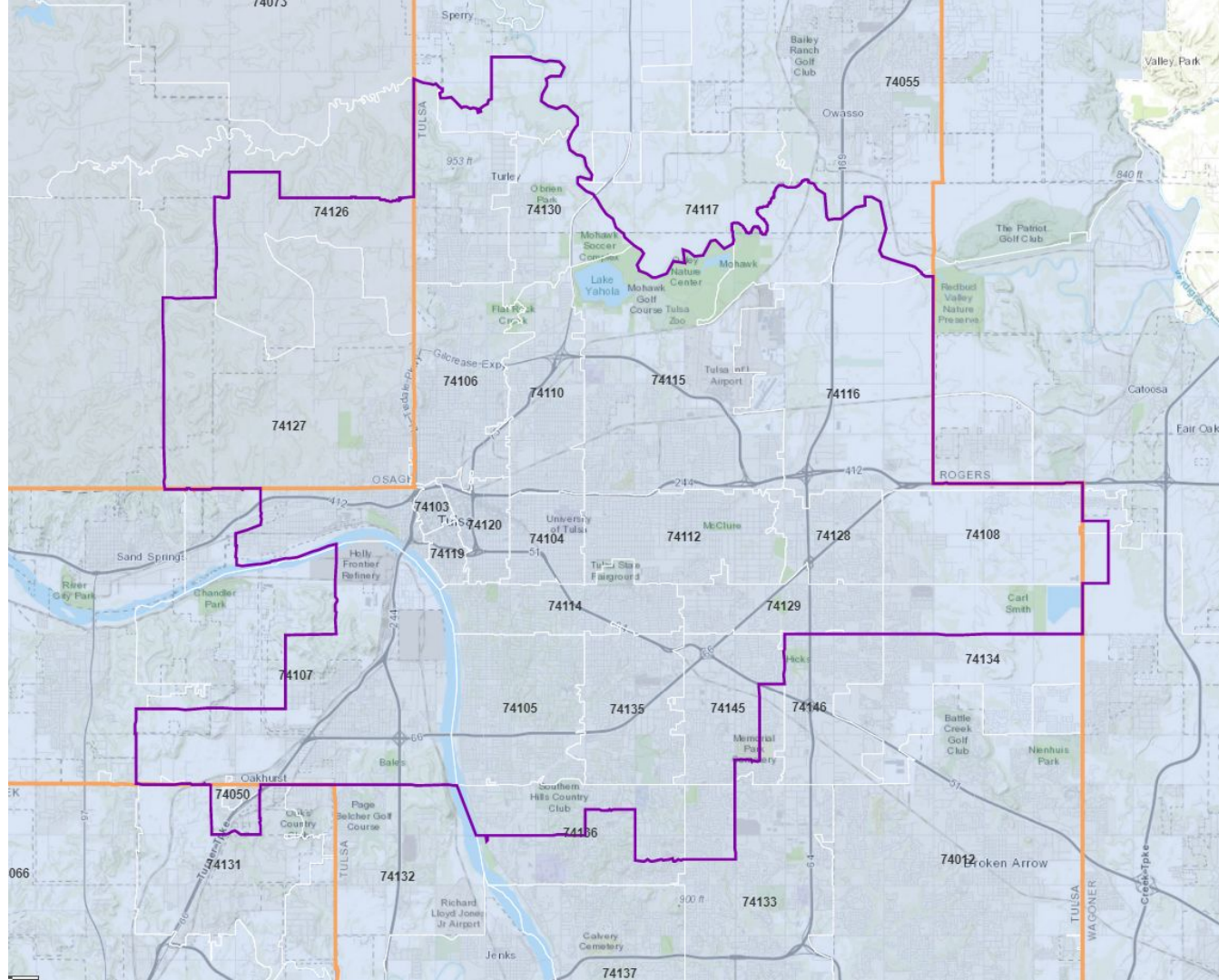


For reference: Tulsa area zip codes

School District Boundaries - Current



USA Counties



Health Data Monitoring Process

The three categories of **metrics will be monitored weekly**, and 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 reviewed on Fridays.
- Evaluation and discussions are done by Monday morning.
- Evaluations are done at school level and/or system level depending on data.

The **frequency of monitoring will increase** when metrics are close to thresholds, and or early warning indicators at one or multiple schools are changing.

- Data can be evaluated daily if needed.
- Evaluation and discussion is triggered when foundational health care metric hits threshold, or we detect an early warning from one of our indicators.

When and how will we respond?

Once a full evaluation is triggered based on meeting a threshold condition, we will recommend one of **four types of potential actions** based on our assessment of the data:

1. No changes necessary at this time.

Based on current health and systems data, no changes will be made.

2. Additional monitoring and through increased, targeted testing.

Rapid testing efforts will be scaled up and/or targeted towards particular schools to ensure that potential cases are caught earlier, before widespread exposure or outbreak. Data will be re-examined for the following week.

3. Suspend in-person activity at a specific school or multiple schools.

If it is necessary to suspend in-person activity at a school, students, families, and staff will be notified shortly after a decision is made. **Notices will be sent by 5 a.m. day of, 10 p.m. day before, or 2 p.m. for mid-day.**

4. Change the default mode of instruction for the entire district.

After a full discussion and evaluation is triggered, a formal recommendation will be provided to the Board of Education reporting the suggested default mode of instruction. In emergency situations, the superintendent has the authority to execute individual school or district-wide closures as appropriate.

SY 20-21 Criteria Magnet Regulation Changes

November 16, 2020

Objectives

Inform the Board on the recommended changes to admission criteria used in the application process to criteria magnet school for SY21-22

- Given COVID-19 academic disruptions, the academic measures used to evaluate applications to criteria magnet schools are compromised or non-existing. To address this, school leaders at these schools, in partnership with our enrollment and teaching & learning teams, have proposed criteria adjustments for this application cycle.
- The changes will be only applicable to the SY21-22 application process for criteria magnet schools.

Assessments

Current Regulation: Allows only for the most recent assessments available to be evaluated. If a student does not have an assessment, one must be taken in person at the enrollment center.

Recommendation: To determine eligibility for students applying for middle or high school admission for the fall of 2021, **we will consider students' highest MAP or OPI scores from any of the previous 3 years before applying.** The highest score will then be taken and be entered into the scoring rubric. The student's highest score must be at or above the current cutoffs to qualify.

- Students must qualify in both Reading and Math
- Student's missing both MAP and OPI scores will need to submit another norm-referenced exam for review

Rationale: With the lack of assessment data over the last 6 months, students will need additional opportunities produce a valid assessment for evaluation. This will ensure that we have at least 1 assessment for a vast majority of students currently enrolled in Tulsa Public Schools.

Equity Implications: Students will now have a more opportunities to qualify for a criteria magnet school with two additional years of assessments that can be considered.

GPA

Current Regulation: Schools review a GPA average of last 3 semesters.

Recommendation: we will review the **3 semesters prior to application** and calculate a GPA based on all non pass/fail courses taken in those 3 semesters. That GPA will then be entered into the current scoring rubric. School committee will also look at **average of last years (2 semesters)** to gauge impact of current semester and use the highest of the two.

- Students applying to HS must have an overall GPA of 2.5 or higher in all courses to qualify.
- Students applying to middle schools must have an overall GPA of 3.0 or higher in all core courses to qualify

Rationale: School leaders believe that GPA is still a reliable measure to use. However, schools want to be able to consider average with or without current semester given the impact of Covid-19.

Equity Implications: This reduces the possibility of a disproportionate impact on students who saw a drop in GPA's during distance learning instruction due to COVID-19.

Suspensions

Current Regulation: Students are automatically disqualified from consideration if a suspension is on record unless parent submits letter for review. Committee reviews that letter and determines whether to move student forward or not.

Recommendation: Suspensions will **no longer automatically disqualify students from consideration**. All students with suspension will be reviewed by the committee to approve or deny the application to move forward. If an applicant is not a current TPS student, all documentation relating to any suspension record must be submitted for consideration. For all applicants currently enrolled in TPS, suspension information, including details of the incident, will be pulled from Powerschool.

- The school committee will be supported by one staff member from the enrollment center and one staff member from student and family support services to provide additional and relevant information/context when reviewing cases.

Rationale: School leaders have recommended we ensure every student who has a suspension on his or her record be given a review to assess the severity of the suspension. Previously only parents of students who submitted documentation would have been reviewed by a committee.

Equity Implications: The majority of students disqualified by a suspension are low-income and of color. This recommendation would give those students more opportunities to qualify despite a suspension on their record by evaluating the information in their suspension records.

Teacher Recommendations

Current Regulation: All students applying to criteria magnet schools are required to submit a recommendation letter to be considered. Though that policy was not enforced this previous year, given that recommendation letters are scored, students without the letter started off at a disadvantage.

Recommendation: we **will not require nor use teacher recommendations** in evaluating a student's application.

Rationale: Teacher recommendations are time consuming and can be subjective, are difficult to obtain for students, and provide a limited/narrow insight into the academic preparedness of the applicant. Furthermore, processing teacher recommendations is resource intensive and impacts application review timelines.

Equity Implications: This recommendation eliminates barrier to use the same information for all students evaluated.

Additional Considerations: Without teacher recommendations, the scorecard will have to be modified to make up for the points provided by the teacher recommendation measure.

Attendance

Current Regulation: Instructs that the three most recent semesters of attendance be evaluated and that a student with more than 15 total absences (excused or unexcused) be disqualified from consideration. Parents can submit appeal to explain absences.

Recommendation: To determine eligibility for students applying for middle or high school admission for the fall of 2021, we will consider only the **first 3 quarters of attendance in the 2019-2020 school year**. Students with 15 or fewer absences will be evaluated based on the current scoring rubric.

- Students with more than 15 absences will need to submit documentation providing explanation for absences. A combined committee will review the documentation and approve or deny the student for consideration into a magnet program (current process).
- Should a student be approved to continue, they will not receive any points for attendance (current process).

Rationale: Attendance beginning in the 4th quarter of the 2019-2020 school year has been severely impacted by COVID-19 and therefore challenging to use for evaluating magnet school applications. School leaders have agreed that only attendance before COVID-19 disruptions should be included in evaluating a student's application.

Equity Implications: This recommendation will provide students with more opportunities to be considered. Previously, students were only afforded 15 absences for 3 semesters of attendance. This year, 15 absences will remain the cutoff but in a span of 1.5 semesters.

Next Steps

- Update language in current regulation documents.
- Update application information for criteria magnet schools in website, communication and application documentation.

Describe the situation

What does the data tell us?

What do we understand about spread?

What are we learning from the experts?

The data we have combined with the research makes us confident that we can carry on this week with in-person learning for our PK-3 students.

We want to discuss further with our Board this week what

Notes from call with THD

- Schools are doing a phenomenal job at implementing and managing safety practices; the exposure happens outside of schools.
- Kids are safer at schools and we should stay the course with bringing all elementary students back.
- Teachers and kids are not getting Covid in schools, it is through exposure outside of schools.
- We will be dealing with current dynamics (high levels of community spread) until spring, so we need to manage to the current situation.
- We are confident that we can bring 4-6 back because implementation and management of safety practices work well, and it is what THD is seeing in other districts.

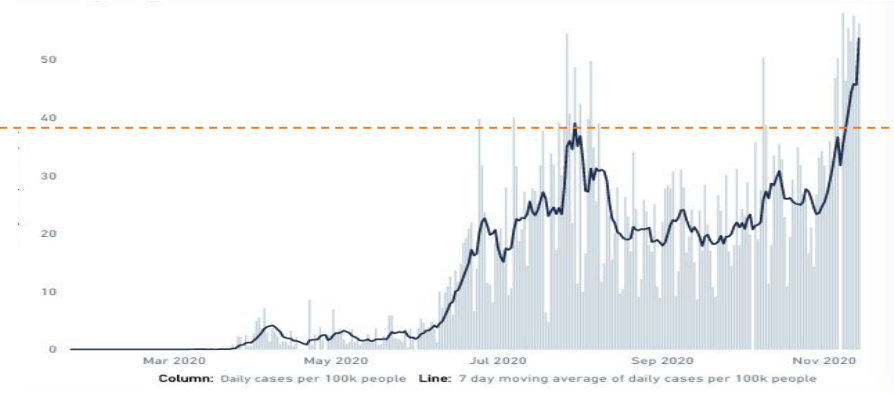
Foundational School System Metrics

Metric	Value	Description
PPE Availability	TBD	Greater than 2 weeks of available reserves. Final calculation pending estimated loss rate estimate from first two weeks.
Percent of Students and Staff in Quarantine or Isolation	TBD	See chart for current rates and comparisons to other districts.
Staffing Capacity	TBD	Schools finalizing staffing and coverage plans this week.

Foundational Health Care Metrics (as of 11/14)

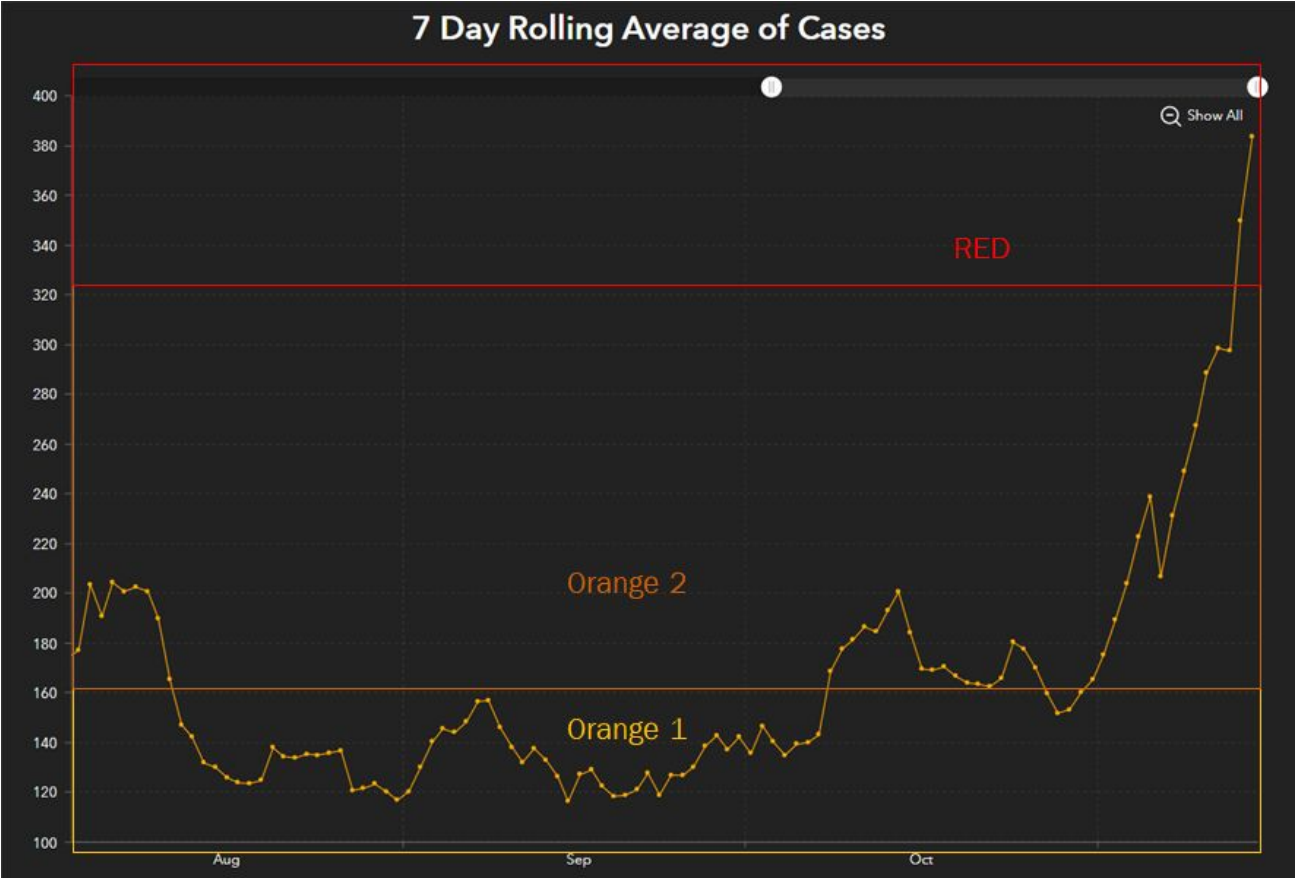
Oklahoma: 66.9

Tulsa: 53.7



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Foundational Health Care Metrics - 7 Day Rolling Average



Note: graph Y axis starts at 100.