Serving Arizona since 2000

SKYLINE EDUCATION

Our number one goal is the health and safety of our students and their families, and we always consider this goal when making decisions regarding how to provide an exceptional academic learning environment for our students while being sensitive to individual student and family needs.

Data Analysis Summary

In the analysis below we want to help our families understand why we are concerned with current cases.

1. Data used by Maricopa County to publish reports and make decisions for schools comes from previous weeks, which have less cases than we are experiencing today.
2. Those current reports demonstrate substantial spread within the zip codes in which we operate, which are two weeks behind.
3. Current data shows that COVID cases in our zip codes are nearly 2 times higher than reports demonstrate due to lagging data.
4. As expected, current reports indicate that we are experiencing substantial widespread transmission, and we expect with current data, reports in the coming weeks will demonstrate higher levels of transmission.

Figure 1: Current ADHS benchmark data for Schools (Maricopa County

In recent weeks, two of the three metrics, *Cases per 100,000 individuals and percent positivity*, have increased into the substantial spread category for Maricopa County (See Figure 1, Benchmark 1 & 2). In Maricopa County, *both metrics* noted have been above the benchmarks for the week of November 8th, the week of November 15th, and the week of November 22nd. Additionally, *Hospital visits* have increased each week and were nearing the 10% benchmark as of November 22.

Updated: December 10, 2020

Select a county to filter the data.

Showing data for All Counties

Recommended Delivery Model: **Hybrid**

1) Cases per 100,000 individuals

Nov 15   Nov 22
386/100k 396/100k

100/100k
10/100k

Sep 27   Oct 11   Oct 25   Nov 8   Nov 22

What is this dashboard?

ADHS County-Level School Benchmarks
This dashboard is used to determine the level of community spread of COVID-19 in Arizona and assist with decision making for the types of delivery model schools may consider.

Time Frame
This dashboard does not look at the past two weeks due to potential lags in data.

Substantial Transmission
>100 cases per 100k, >10% percent positivity, >10% COVID-like illness

Moderate Transmission
10 - 100 cases per 100k, 5 - 10% percent positivity, 5 - 10% COVID-like illness

Minimal Transmission
<10 cases per 100k, <5% percent positivity, <5% COVID-like illness

Hover over the icon to get more information on the data in this dashboard.
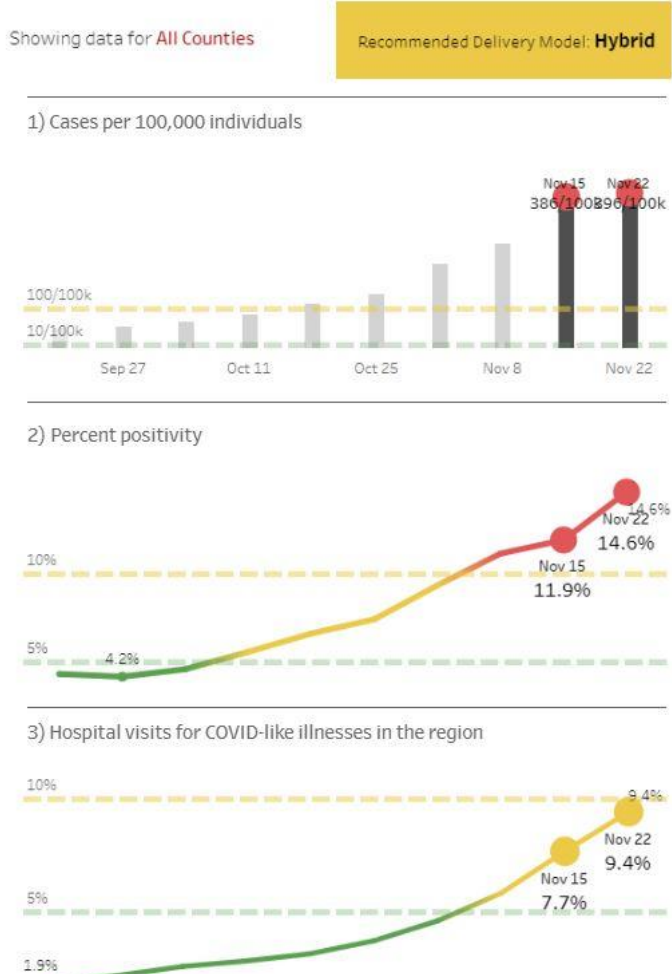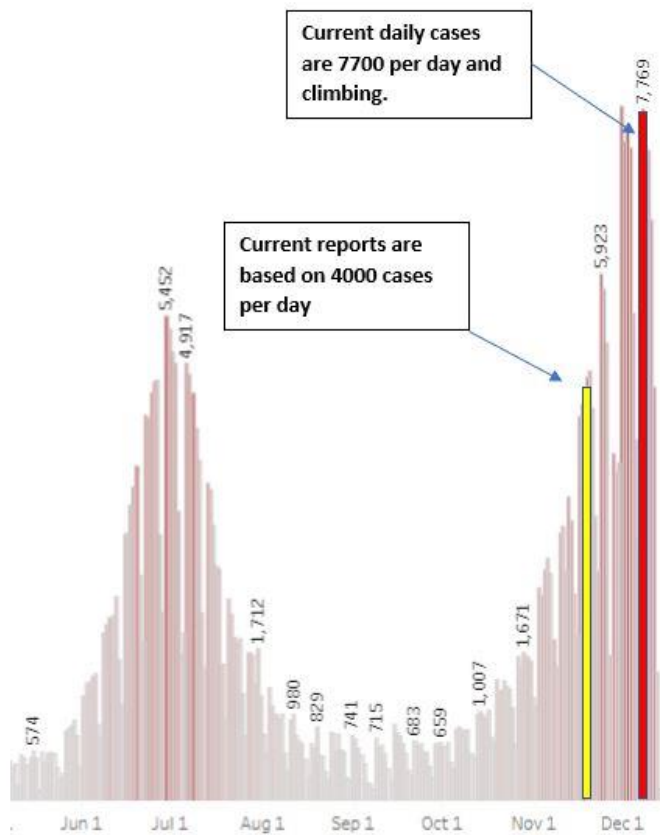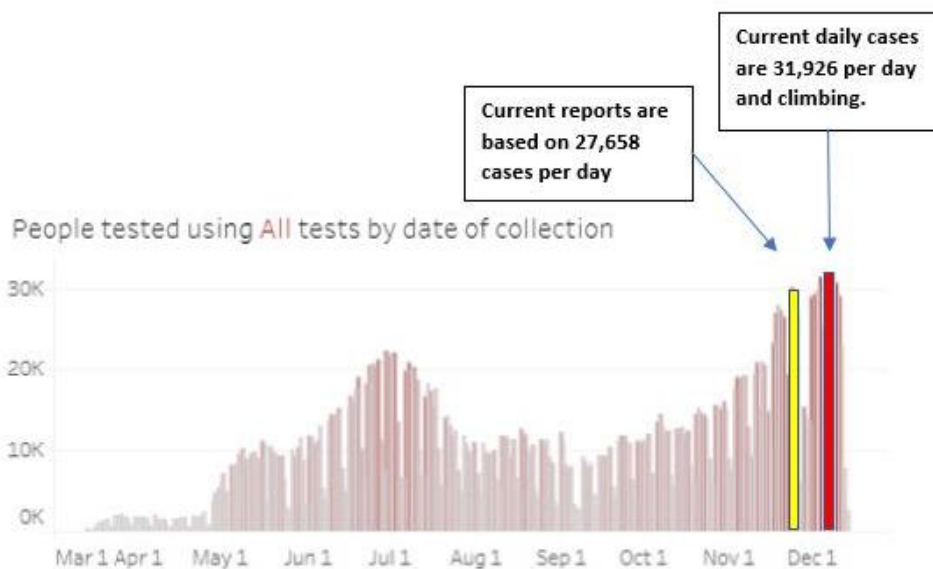
Date Updated: 12/10/2020

2) Percent positivity

10%

5%   4.2%

Nov 22
14.6%
14.6%

Nov 15
11.9%

3) Hospital visits for COVID-like illnesses in the region

10%

9.4%

Nov 22
9.4%

Nov 15
7.7%

5%

1.9%

Figure 2: ADHS positive cases by day

> Current daily cases are 7700 per day and climbing.

> Current reports are based on 4000 cases per day

The reason the above data is concerning is that the benchmark metric data released each Thursday by the ADHS includes data that is delayed by two weeks. For example, the most recent benchmark metric data released on December 10, 2020 is updated with data through the week of November 22 ~ November 28. Since November 22nd, the Laboratory Testing and Confirmed COVID-19 Cases by Day data suggest that the number of COVID-19 *Cases per 100,000 individuals* and the *Percent Positivity* metrics continue to increase (see Figure 2 and Figure 3 – the yellow line indicates rate averages the week of November 22). This raises concerns that benchmark metric data releasing on Thursday, December 17th (to include data for the week of November 29) will continue to show increases in both of these benchmarks as well as *Hospital Visits.* Because both the Laboratory Testing and Confirmed COVID-19 Cases by Day data is Statewide, it is impossible to predict the results of this data for Maricopa county specifically, but it appears to be safe to assume that all three-benchmark metrics will increase when data is released each Thursday for at least the next two weeks.

Figure 3: ADHS total number of tests by date of collection

> Current daily cases are 31,926 per day and climbing.

> Current reports are based on 27,658 cases per day

People tested using All tests by date of collection

Maricopa County also releases COVID-19 data by zip code to help schools make decisions based on more localized data. The zip code data for both our North Chandler and South Phoenix campuses are presented in Figures 4 and 5, respectively, below. All zip codes adjacent to both School campuses show *Cases per 100,000 individuals* more than double the 100/100,000 benchmark. Additionally, *Percent Positivity* at both School campuses is increasing over the most recently released 2-week period and is over the 10 percent benchmark. As mentioned above, because this data is delayed by two weeks, we anticipate it is possible for both *Cases per 100,000 individuals* and *Percent Positivity* benchmarks to continue to rise in zip codes adjacent to both campuses when updated data is released on December 17th. Based on the Safely Returning to In-Person Instruction guidance provided by the ADHS, when multiple benchmarks move to a greater-risk category, schools should consider transitioning their learning environment to the appropriate risk model (see page 6 of the Safely Returning document).
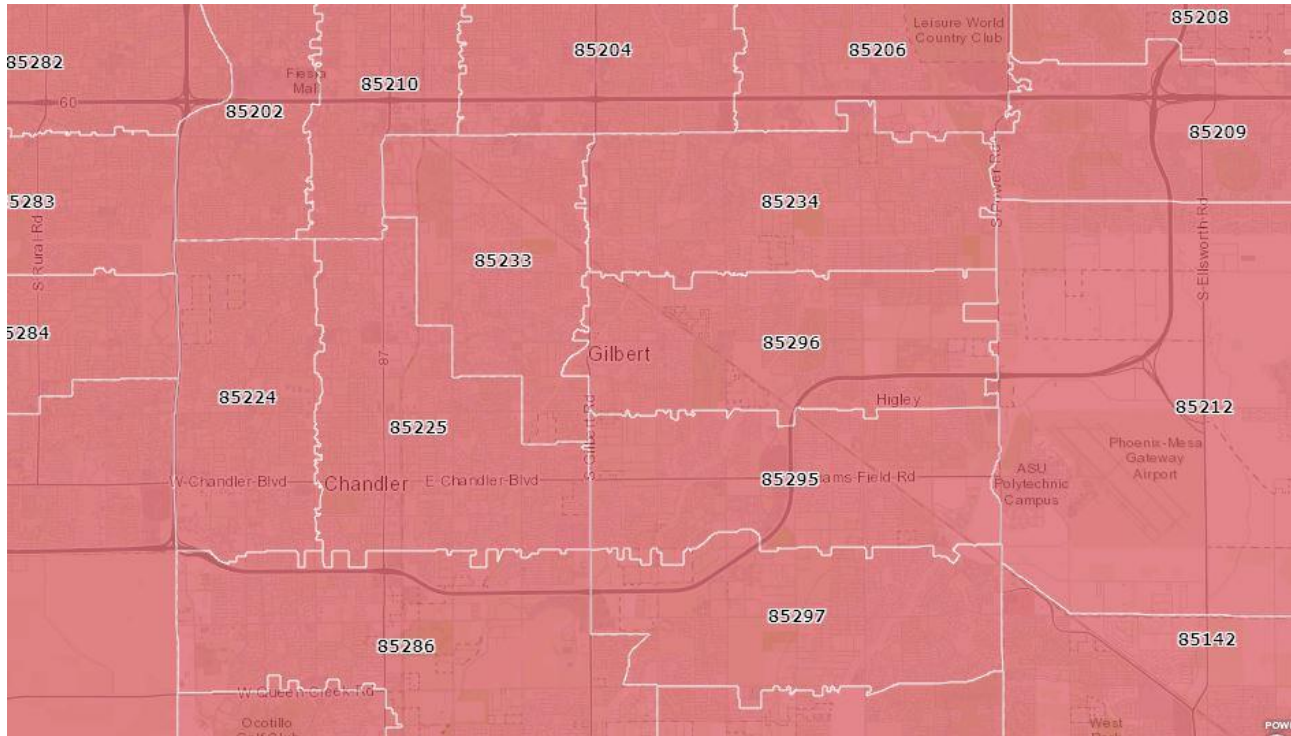
We also know we are entering the season when families and friends traditionally spend time together celebrating various holidays over the next few weeks and months. This anticipated increased interaction coupled with the substantial spread of COVID-19 in our communities, has led us to make the decision to continue online learning from January 5th through January 15th with students tentatively scheduled to return to in-person learning for those students electing this learning option on January 18, 2021. We will, however, continue to provide on-site services to students who need in-person support throughout this time including a safe space to participate in online learning, transportation services where necessary, and the free school breakfast and lunch programs

**Our Skyline Gila River Campus will have an anticipated return on January 25th but will wait to hear from Gila River Indian Community Governor, Mr. Lewis, in January regarding community guidance.

This analysis is comprised of the most recent data released through the Arizona Department of Health Services (ADHS) COVID-19 Dashboard and the Maricopa County dashboard for schools.
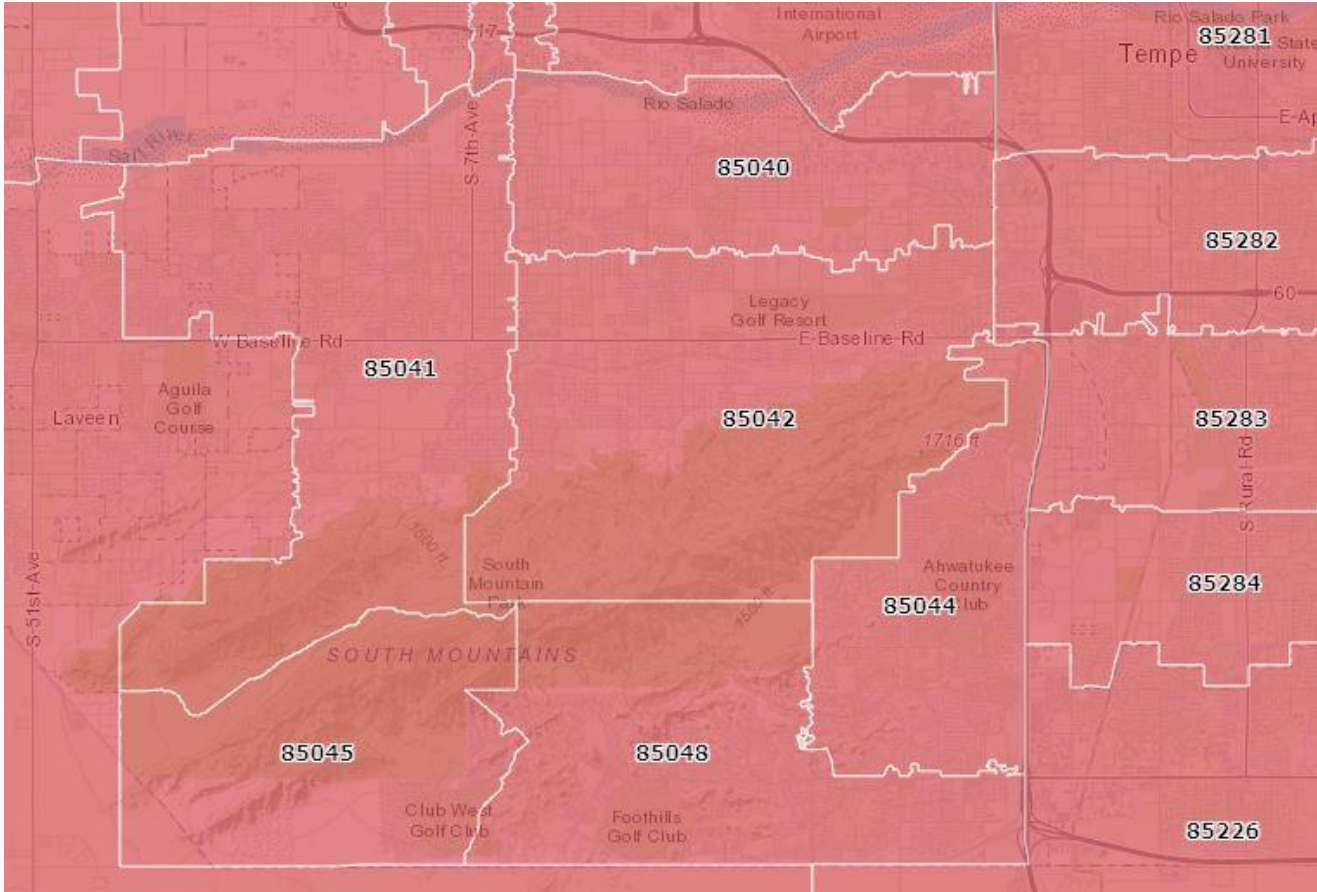
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Figure 4: Current Maricopa County School Metrics by Zip Code (Chandler)

Zip Code	Student Count	Current Risk Level	Recommended Learning Scenario	Week of Nov 22~Nov 28			Week of Nov 15~Nov 21		
				Cases per 100k	Percent Positivity	Covid-Like Illness	Cases per 100k	Percent Positivity	Covid-Like Illness
85225		Substantial	Prepare for Virtual w/ onsite support	488.27	13.81%	9.10%	512.88	15.61%	7.70%
85224		Substantial	Prepare for Virtual w/ onsite support	446.66	13.69%	9.10%	372.94	13.69%	9.10%
85286		Substantial	Prepare for Virtual w/ onsite support	455.88	12.39%	9.10%	472.61	11.12%	7.70%
85297		Substantial	Prepare for Virtual w/ onsite support	447.86	13.58%	9.10%	464.45	12.81%	7.70%
85295		Substantial	Prepare for Virtual w/ onsite support	473.90	14.67%	9.10%	543.59	14.03%	7.70%
85296		Substantial	Prepare for Virtual w/ onsite support	451.62	12.13%	9.10%	538.89	13.24%	7.70%
85233		Substantial	Prepare for Virtual w/ onsite support	456.19	15.41%	9.10%	475.92	13.53%	7.70%
85210		Substantial	Prepare for Virtual w/ onsite support	587.44	20.75%	9.10%	474.38	14.06%	7.70%

- All surrounding zip codes are seeing dramatic increases in Cases per 100k
- All surrounding zip codes have Cases per 100k greater than 100
- All surrounding zip codes have Cases per 100k greater than 400 or more, more than 4 times the benchmark
- All surrounding zip codes have increased Percent Positivity between the two weeks
- All surrounding zip codes have Percent Positivity greater than 12%
- Positive Cases by day continue to increase since November 22 (see Figure 2), so we expect both Cases per 100k and Percent Positivity to increase for the weeks of November 29 ~ December 5 and December 6 ~ December 12

Figure 5: Current Maricopa County School Metrics by Zip Code (Phoenix)

				Week of Nov 22~Nov 28			Week of Nov 15~Nov 21		
Zip Code	Student Count	Current Risk Level	Recommended Learning Scenario	Cases per 100k	Percent Positivity	Covid-Like Illness	Cases per 100k	Percent Positivity	Covid-Like Illness
85042		Substantial	Prepare for Virtual w/ onsite support	396.81	14.61%	9.10%	292.50	12.80%	7.70%
85040		Substantial	Prepare for Virtual w/ onsite support	401.70	22.42%	9.10%	386.60	18.99%	7.70%
85041		Substantial	Prepare for Virtual w/ onsite support	385.99	20.97%	9.10%	392.26	19.44%	7.70%
85045		Substantial	Prepare for Virtual w/ onsite support	245.10	8.42%	9.10%	306.37	5.88%	7.70%
85048		Substantial	Prepare for Virtual w/ onsite support	412.53	11.19%	9.10%	317.76	9.05%	7.70%
85044		Substantial	Prepare for Virtual w/ onsite support	317.51	9.42%	9.10%	348.78	10.47%	7.70%
85282		Substantial	Prepare for Virtual w/ onsite support	321.26	10.80%	9.10%	326.70	7.61%	7.70%

- All surrounding zip codes have increased Cases per 100k between the two weeks
- All surrounding zip codes have Cases per 100k greater than 200
- All surrounding zip codes have increased Percent Positivity between the two weeks
- 5 of 7 surrounding zip codes have Percent Positivity greater than 10%
- Positive Cases by day continue to increase since November 22 (see Figure 2), so we expect both Cases per 100k and Percent Positivity to increase for the weeks of November 29 ~ December 5 and December 6 ~ December 12