

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. Reports that will come out in the next two weeks will show what we are experiencing today, which is substantial widespread transmission.

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

In recent weeks, one of the three metrics, *Cases per 100,000 individuals*, has increased into the substantial spread category for Maricopa County (See Figure 1, Benchmark 1). In Maricopa County, *Cases per 100,000 individuals* has been above the benchmark of 100/100,000 for both the week of October 18th and the week of October 25th. Additionally, *Percent Positivity* has increased each week in October (See Figure 4, Benchmark 2).

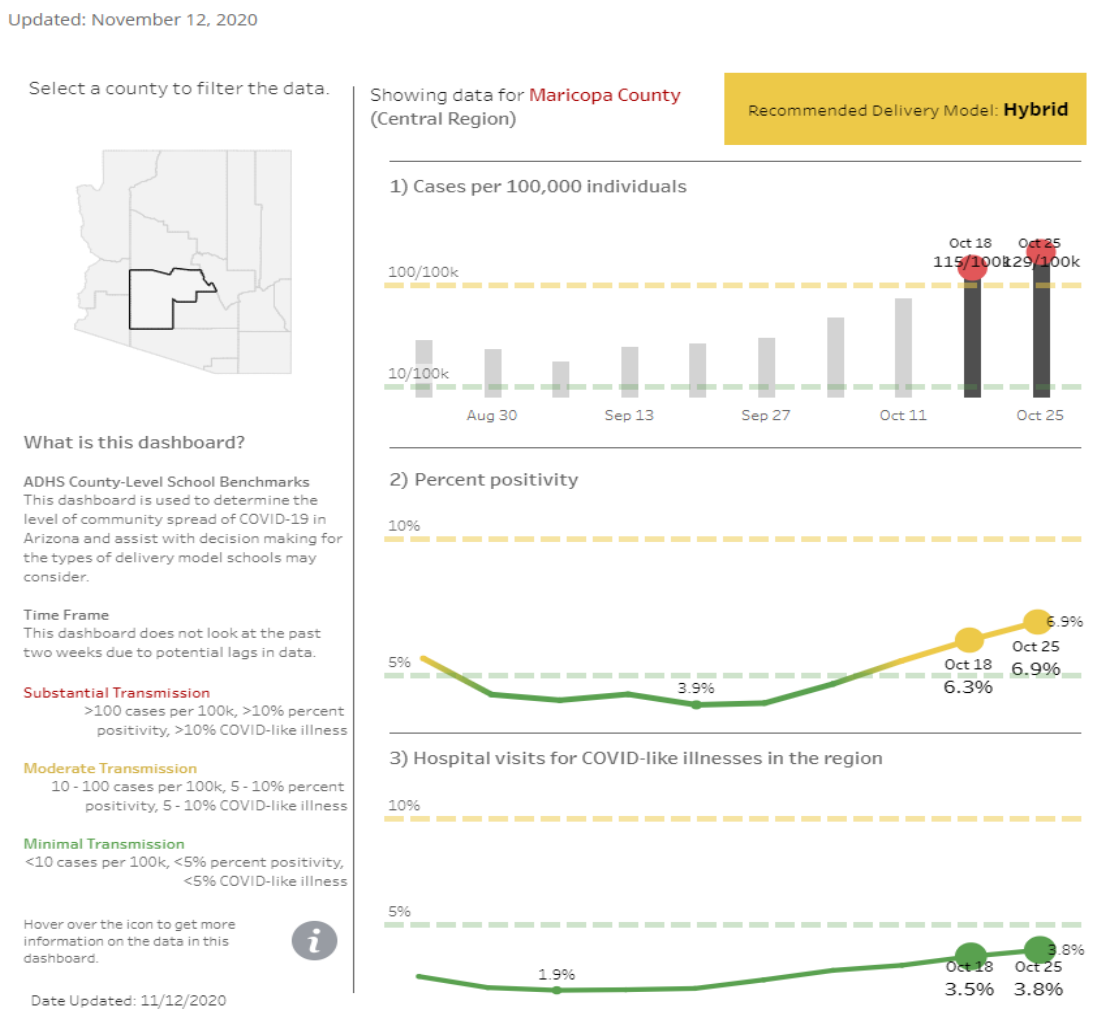
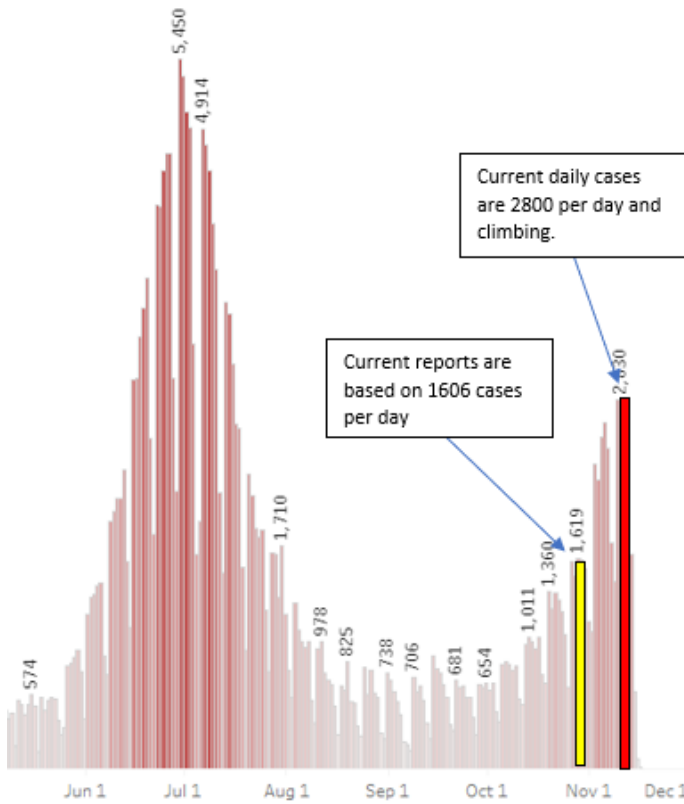
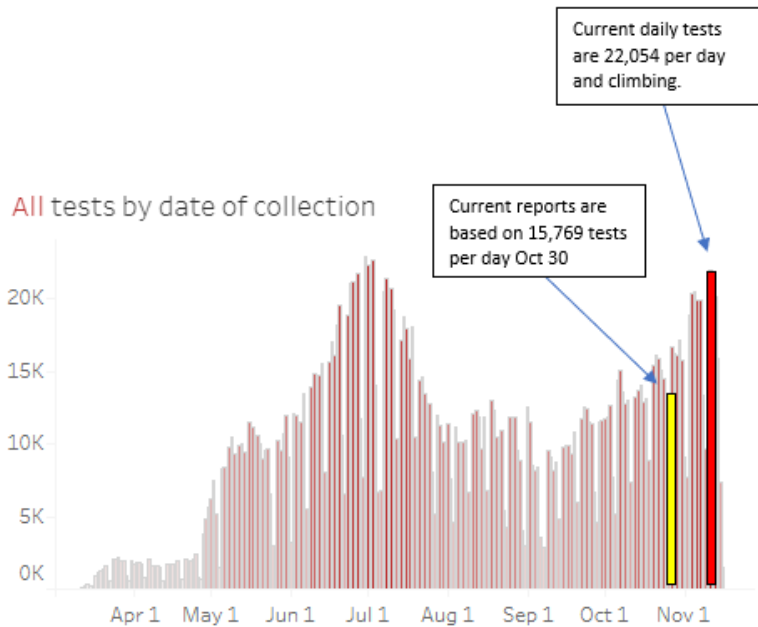


Figure 2: ADHS positive cases by day



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 November 12, 2020 is updated with data through the week of October 25 ~ October 31. Since October 31st, 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 blue line indicates October 31st). This raises concerns that benchmark metric data releasing on Thursday, November 19th (to include data for the week of November 1 ~ November 7) and data releasing on Thursday, November 26th (to include data for the week of November 8 ~ November 14) will show continued increases in both of these benchmarks. 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 both benchmark metrics will increase when data is released each Thursday for the next two weeks.

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





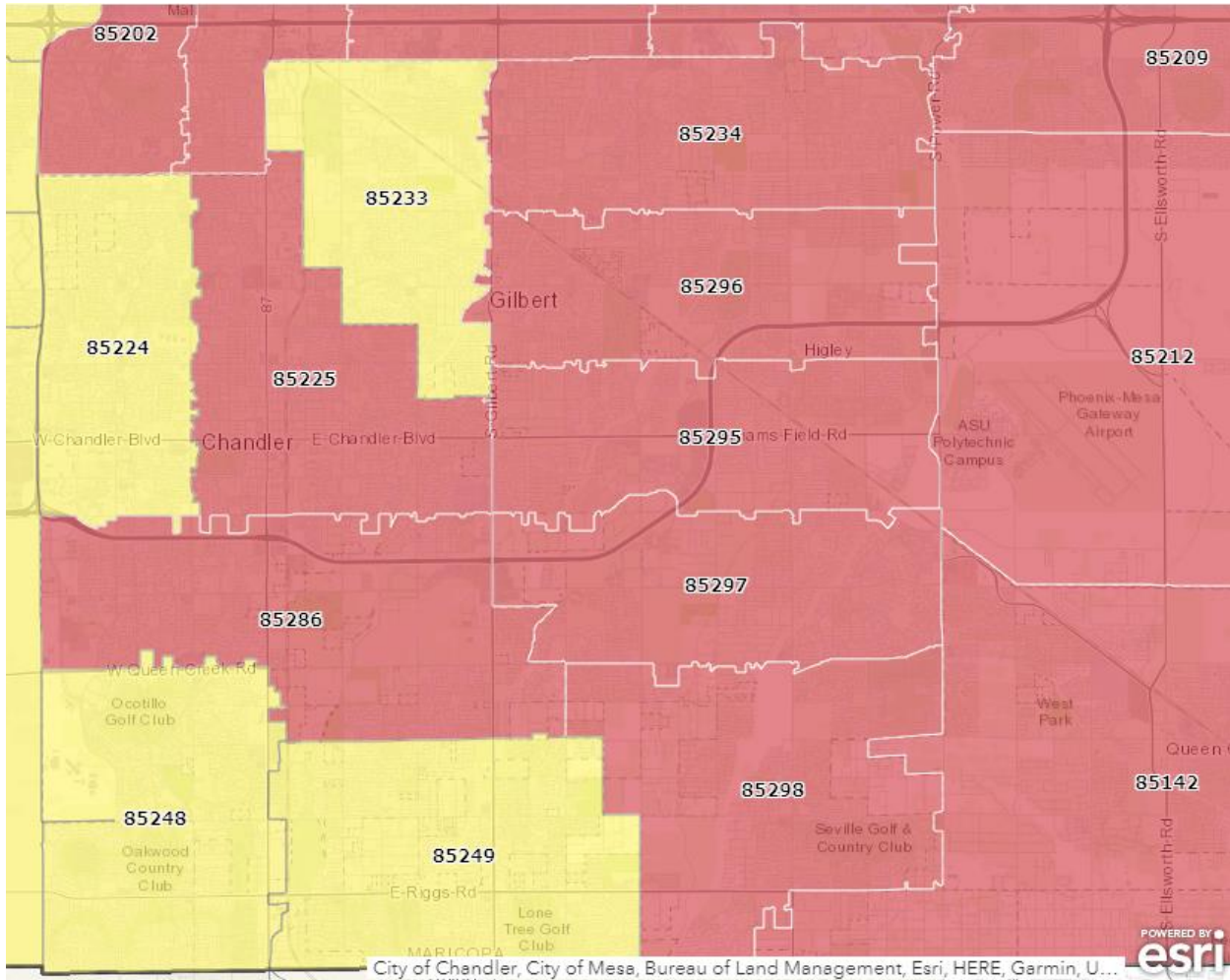
Maricopa County also releases COVID-19 data by zip code to help schools make decisions based on more localized data. The zip code data for both our North Chandler and South Phoenix campuses are presented in Figures 4 and 5, respectively, below. The zip codes adjacent to both School campuses show *Cases per 100,000 individuals* above or nearly above the 100/100,000 benchmark. Additionally, *Percent Positivity* at both School campuses is increasing over the most recently released 2-week period and nearing 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 surpass their respective benchmarks in zip codes adjacent to both campuses when updated data is released on November 19th and November 26th. 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 return to online learning for all students beginning Monday, November 23, 2020 with students tentatively scheduled to return to in-person learning for those students electing this learning option on January 5, 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.

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)

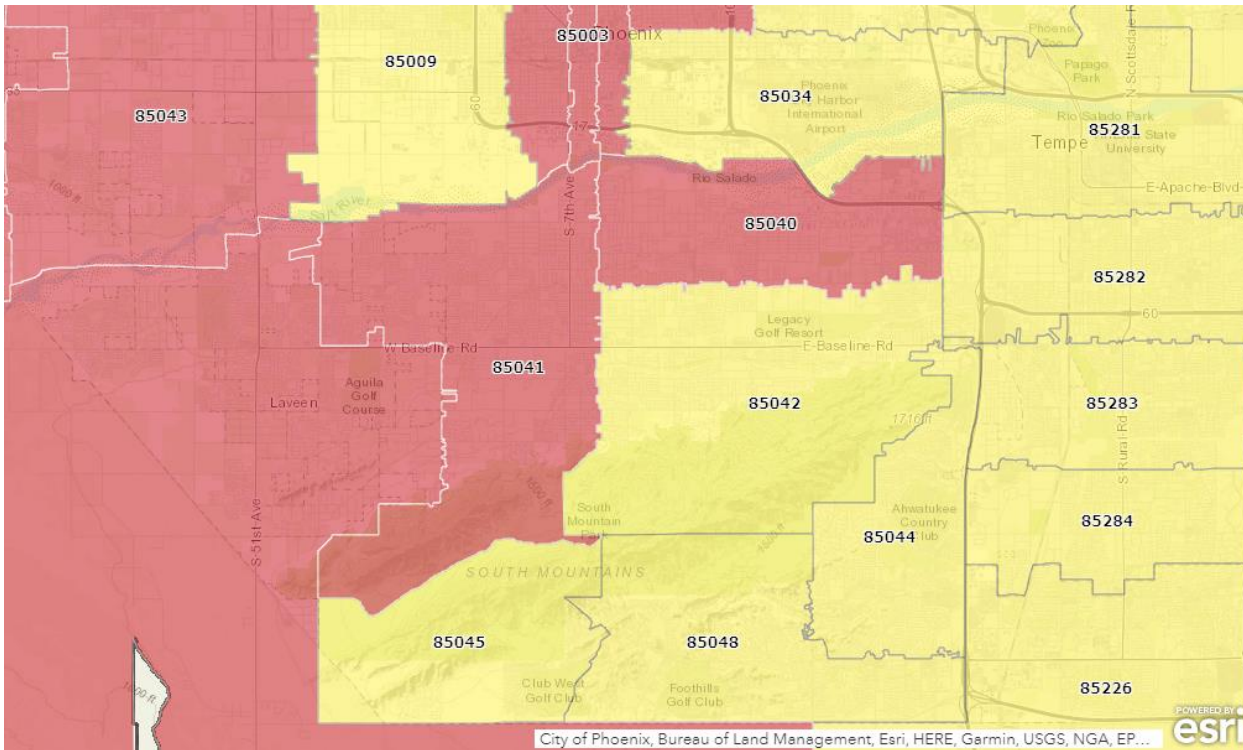


Zip Code	Current Risk Level	Recommended Learning Scenario	Week of Oct 25~Oct 31			Week of Oct 18~Oct 24		
			Cases per 100k	Percent Positivity	Covid-Like Illness	Cases per 100k	Percent Positivity	Covid-Like Illness
85225	Substantial	Prepare for Virtual w/ onsite support	155.42	9.84%	4.00%	111.38	8.74%	4.00%
85224	Moderate	Hybrid w/ onsite support	149.61	8.25%	4.00%	91.07	4.62%	4.00%
85286	Substantial	Prepare for Virtual w/ onsite support	121.29	6.49%	4.00%	104.56	4.31%	4.00%
85297	Substantial	Prepare for Virtual w/ onsite support	174.17	8.47%	4.00%	110.58	4.98%	4.00%
85295	Substantial	Prepare for Virtual w/ onsite support	163.28	7.37%	4.00%	133.41	6.16%	4.00%
85296	Substantial	Prepare for Virtual w/ onsite support	159.27	7.93%	4.00%	183.27	8.80%	4.00%
85233	Moderate	Hybrid w/ onsite support	98.64	4.86%	4.00%	83.84	4.30%	4.00%
85210	Substantial	Prepare for Virtual w/ onsite support	172.05	9.80%	4.00%	125.35	8.52%	4.00%

- 6 of 7 surrounding zip codes have increased Cases per 100k between the two weeks
- 6 of 7 surrounding zip codes have Cases per 100k greater than 100
- 6 of 7 surrounding zip codes have increased Percent Positivity between the two weeks
- Positive Cases by day continue to increase since October 31 (see Figure 2), so we expect both Cases per 100k and Percent Positivity to increase for the weeks of November 1 ~ November 7 and November 8 ~ November 14



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



Zip Code	Current Risk Level	Recommended Learning Scenario	Week of Oct 25~Oct 31			Week of Oct 18~Oct 24		
			Cases per 100k	Percent Positivity	Covid-Like Illness	Cases per 100k	Percent Positivity	Covid-Like Illness
85042	Moderate	Hybrid w/ onsite support	95.23	7.40%	4.00%	120.18	7.32%	4.00%
85040	Substantial	Prepare for Virtual w/ onsite support	99.67	11.07%	4.00%	108.73	9.60%	4.00%
85041	Substantial	Prepare for Virtual w/ onsite support	106.7	11.28%	4.00%	155.34	11.35%	4.00%
85045	Moderate	Hybrid w/ onsite support	61.27	3.39%	4.00%	147.06	4.82%	4.00%
85048	Moderate	Hybrid w/ onsite support	111.5	6.18%	4.00%	75.26	3.31%	4.00%
85044	Moderate	Hybrid w/ onsite support	101.03	4.58%	4.00%	91.41	4.38%	4.00%
85282	Moderate	Hybrid w/ onsite support	119.79	6.54%	4.00%	96.2	4.96%	4.00%

- 3 of 6 surrounding zip codes have increased Cases per 100k between the two weeks
- 4 of 6 surrounding zip codes have Cases per 100k greater than 100
- 4 of 6 surrounding zip codes have increased Percent Positivity between the two weeks
- 2 of 6 surrounding zip codes have Percent Positivity greater than 10%
- Positive Cases by day continue to increase since October 31 (see Figure 4), so we expect both Cases per 100k and Percent Positivity to increase for the weeks of November 1 ~ November 7 and November 8 ~ November 14