Metrics Reopening Advisory Team

Metrics Dashboard   Report: 9/25/2020

		Substantial		Moderate				Minimal	
Governor's Restore Illinois Plan		**Phase 3**		**Phase 4**				**Phase 5**	
Resurgence Test Positivity Data 7 Day Rolling	Region 10	9.0	8.0	7.0	6.0	5.0	4.7	3.0	2.0
	Region 9	9.0	8.0	7.0	6.0	5.0 (5.0)	4.0	3.0	2.0
	Region 11	9.0	8.0	7.0	6.0	5.0	4.8 / 4.0	3.0	2.0
Suburban Cook County	New Cases Per 100k	>100		<=100	77		>50	<=50	
	Test Positivity	9.0	8.0	7.0	6.0	5.0 (5.2)	4.0	3.0	2.0
New Cases Per 100,000 7-day Rolling Average	Wilmette	>100		<=100	to		>50 (57.8)	<=50	
	NT Township	>100		<=100	to		>50 (54.4)	<=50	
	Regional Zip*	>100		<=100	to (72.9)		>50	<=50	
Positivity Rates 7-day Rolling Average	Wilmette	9.0	8.0	7.0	6.0	5.0	4.0	3.4	2.0
	NT Township	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.6
	Regional Zip*	9.0	8.0	7.0	6.0	5.0	4.0	3.0 (3.0)	2.0
COVID Positive Cases per School	Students	3		2		1		0	0
	Staff	3		2		1		0	0
Operational Metrics	Social Distancing	>24		<=24	to		>6 (9)	<=6	
	Mask Wearing	>24		<=24	to		>6 (8)	<=6	
	Washroom Break Mgmt	>24		<=24	to		>6	<=6	
	Lunch Safety Mgmt	>24		<=24	to		>6	<=6	
	Self-Cert Compliance	>96		<=96	to (47)		>30	<=30	
Supplies & Facilities Needs	PPE Availability	>24		<=24	to		>6	<=6	2
	Facility Adaptations	>24		<=24	to		>6	<=6	1
Staffing Levels Number of Daily Sick Day Absences Per Week	Certificated Absences	>60		<=60	to	36.5	>30	<=30	
	Custodial Absences	>30		<=30	to		>12	<= (5.5)	
	Support Staff Absences	>60		<=60	to		>30	25.5 / =30	
	Availability of Subs	>1 (14)		<=12	to		>6	<=6	
	Working Quarantine	>12		<=12	to		>6	5 / =6	
	Non-Working Quarantine	>6		<=6	to	4	>3	<=3	
Student Absence Rates		>7%		<=6%	to		>4%	1.5	

* Regional Zip was adjusted for the 9/18/20 report to reflect 93% of Wilmette D39 staff, rather than the previous metric reflecting 90% of New Trier High School Staff. (See page 8.)

Sources for Relevant Metrics

- [Illinois Department of Public Health Regional COVID-19 Resurgence Data](#) (aligned with Governor's Restore Illinois Plan)
- [Illinois Department of Public Health County Level COVID-19 Risk Metrics: Cook County](#)
- [Local and Regional COVID-19 Data by Zip Codes](#)
- [Cook County Department of Public Health COVID-19 Surveillance Data](#) (aka: [Shiny App](#))
- [County Level COVID-19 Risk Metrics: Cook County](#)
- [Illinois Department of Public Health COVID-19 Statistics](#)
- District 39 Metric Thresholds for Operational, Supply/Facility Adaptation Metrics, and Staffing Levels are based on D39 evaluation of and forecasting for capacity to address the challenge.
- [Illinois State Board of Education – School Report Cards](#)

Specific Guidance on Relevant Metrics and Metric Thresholds

- [Illinois Department of Public Health Adaptive Pause](#)
- [Center for Disease Control and Prevention (CDC)](#): [Indicators for Dynamic School Decision Making](#)
- [Cook County Detailed Metrics and School Metrics (click on Methodology button below data for additional information)](#)
- [Northern Illinois Return to School Metrics: Lake County Department of Public Health](#)
- [COVID-19 Return to School Framework: DuPage County Department of Public Health](#)
- [Harvard Risk Level Model](#)
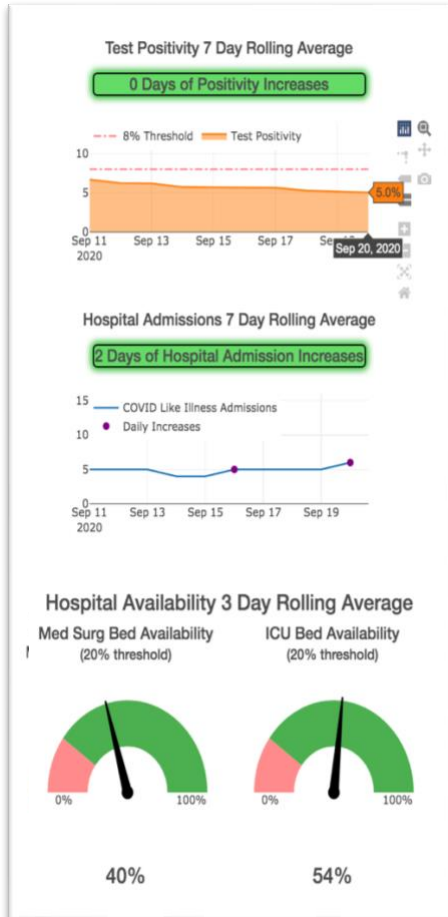- [Governor's Restore Illinois Plan](#)

Metrics Under Review

1. **Governor's Restore Illinois Plan: Metrics**
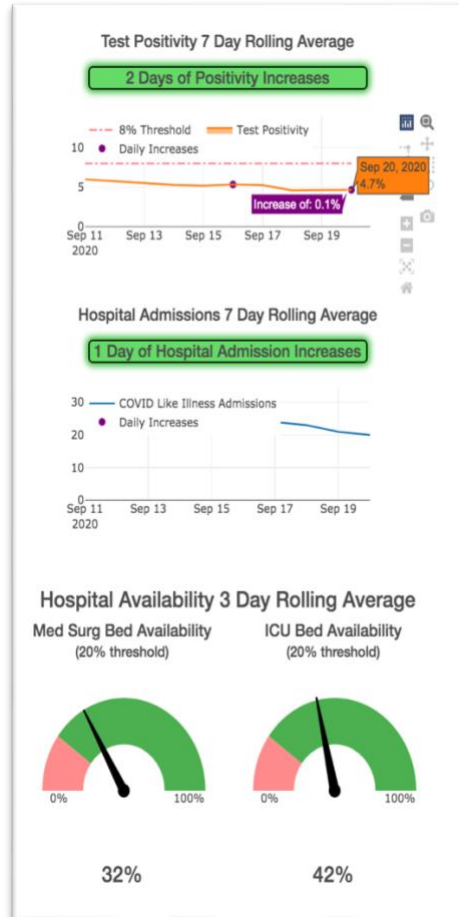   1. Region 10 Illinois Region COVID-19 Resurgence Data
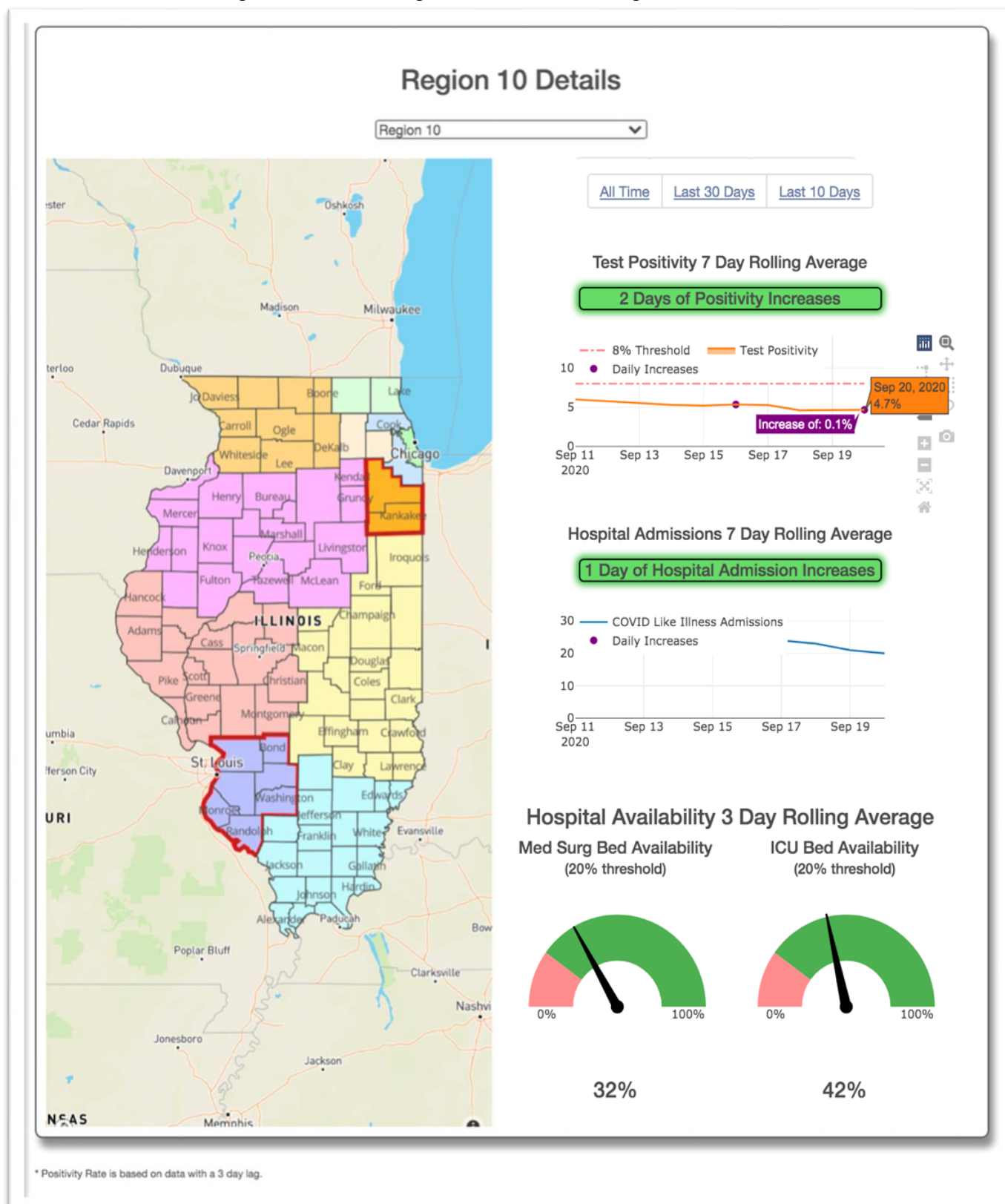
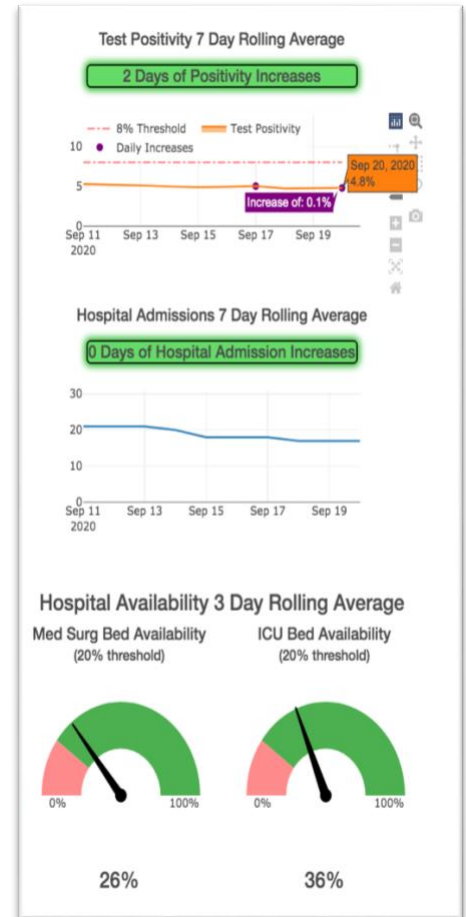## 2. Region 9, 10 and 11 Illinois Region COVID-19 Resurgence Data

Region 9	Region 10	Region 11

2. **Cook County Level COVID-19 Risk Metrics**: **Metrics**
   1. "Cook" County = Suburban Cook
   2. Description of these Metrics

Week 37: 9/6/2020 Through 9/12/2020

Click Here for Historical Details

New Cases Per 100,000

Case rate reported Sun-Sat
(Target: less than 50 per
100,000)

77 per 100k

⚠ Warning

Number of Deaths

Death number reported Sun-
Sat
(Target: decreasing or stable
Sun-Sat)

17

✔ Target

Test Positivity (%)

(%) positive tests reported
Sun-Sat
(Target: less than or equal to
8%)

5.8%

✔ Target

Tests Performed

Number of tests reported Sun-
Sat
Target: Testing is Sufficient
when test positivity is less than
or equal to 8%

46,325

✔ Target

CLI ED Visits (%), Adults

Emergency Department visits
for COVID-19-like illness
(Target: decreasing or stable
Sun-Sat)

2.2%

✔ Target

**Number of CLI
Admissions**

Hospital admissions for
COVID-19-like illness
(Target: decreasing or stable
Sun-Sat)

131

✔ Target

Cluster (%) of cases

No Target
This metric helps explain large
increase in cases

0.7%

ICU (%) Available

ICU bed availability
(Target: at least 20% of ICU
beds available)

38.6%

✔ Target

Metric Guidance for Local Health Departments to Prompt Discussion with School Officials

	Minimal Community Transmission	Moderate Community Transmission	Substantial Community Transmission
County-Level Metric	Alert for one metric but remained BLUE at any point in the last 4 weeks Weekly county case rates <= 50 per 100,000 Weekly county overall case numbers increase for two consecutive weeks with a >5% to <=10 increase occurring each week Weekly county youth case numbers increase for two consecutive weeks with a >5% to <=10 increase occurring each week Weekly test positivity <=5% Neighboring county in orange once in the last 4 weeks*	Transitioned to ORANGE once in last 4 weeks Weekly county case rates >50 to <= 100 per 100,000 Weekly county overall case numbers increase for two consecutive weeks with a >10 or <=20% increase occurring each week Weekly county youth case numbers increase for two consecutive weeks with a >10 or <=20% increase occurring each week Weekly test positivity >5% but <=8%	Remained in ORANGE for >2 consecutive weeks Weekly county case rates above > 100 per 100,000 Weekly county overall case numbers increase for two consecutive weeks with a > 20% increase occurring each week Weekly county youth case numbers increase for two consecutive weeks with a >20% increase occurring each week Weekly test positivity >8%
Regional Resurgence Metric**			Region moved to Tier 1 mitigation

Youth Case Increase

Cases Reported reported Sun-Sat
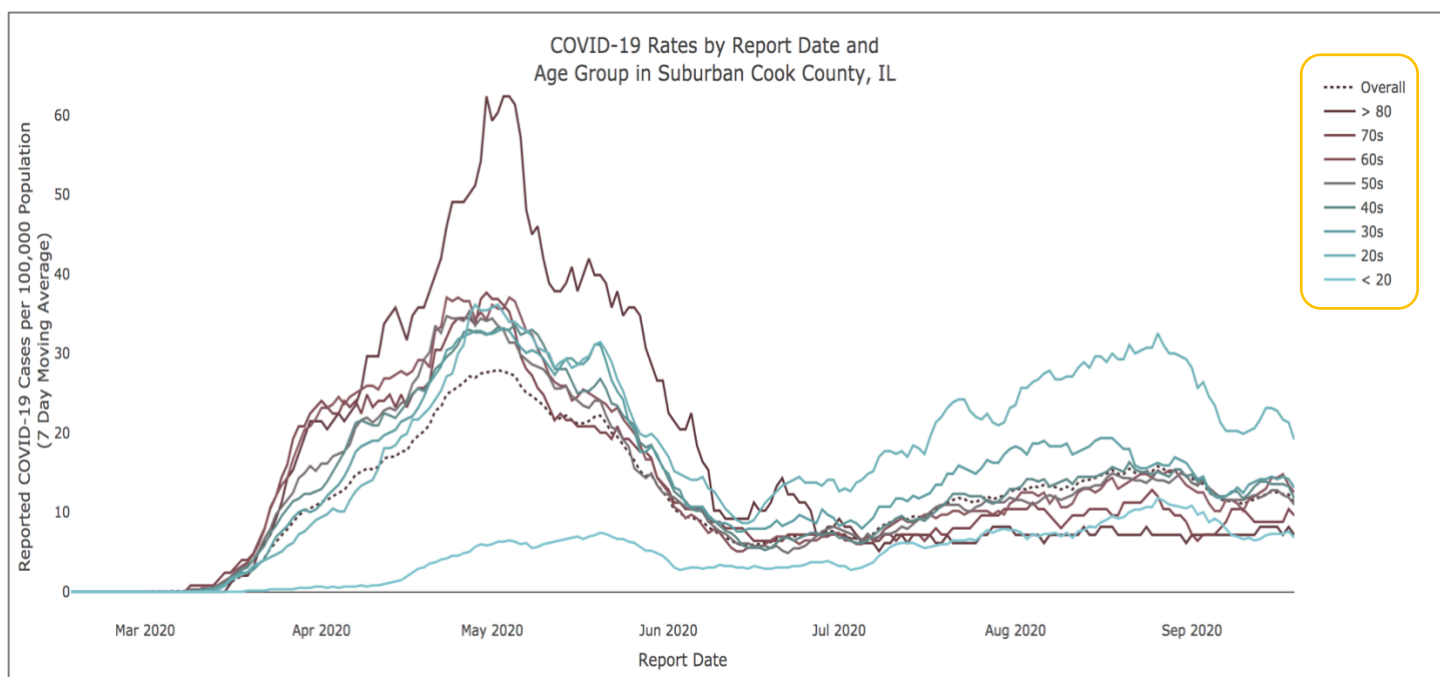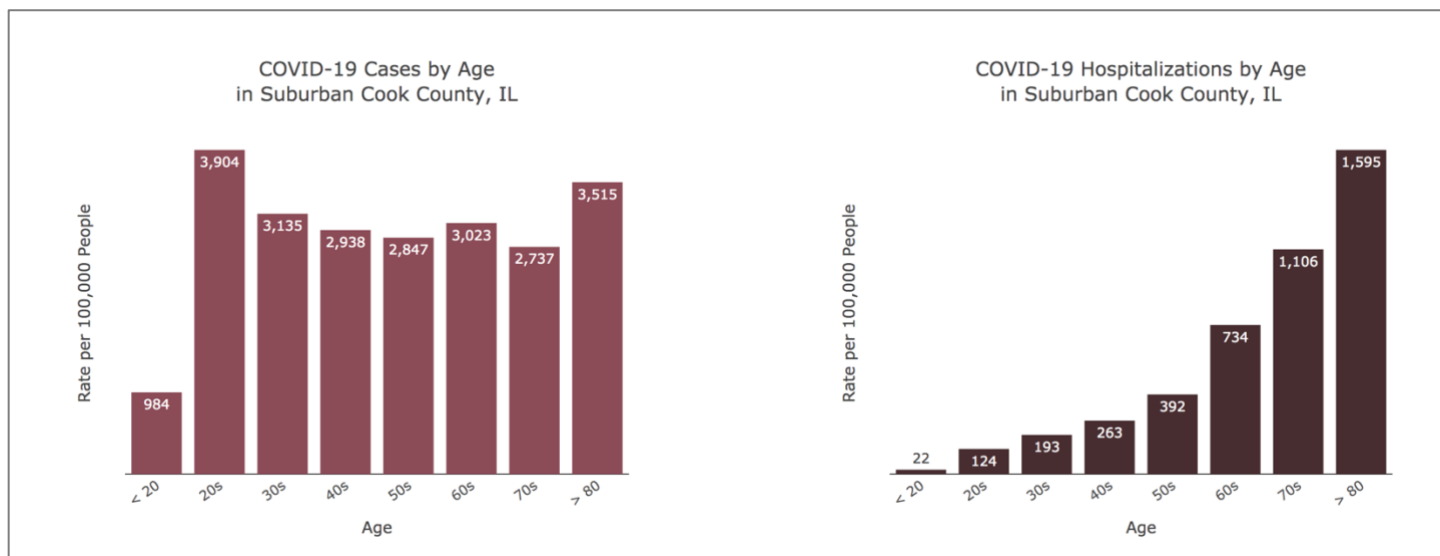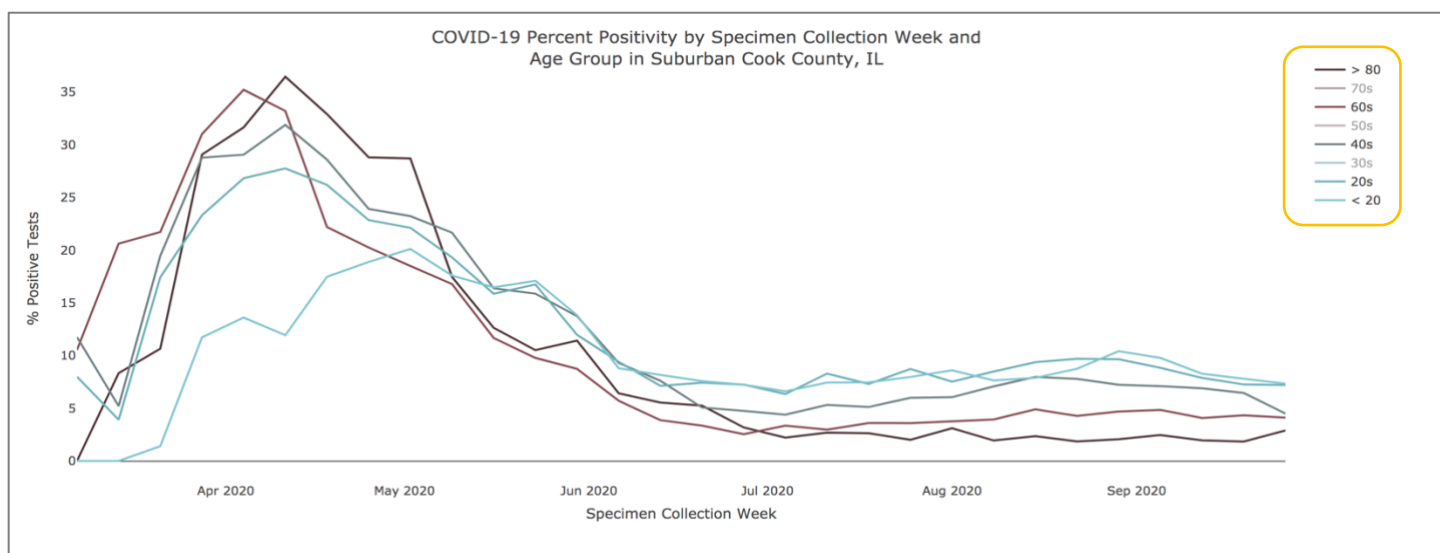(Target: decreasing or stable)
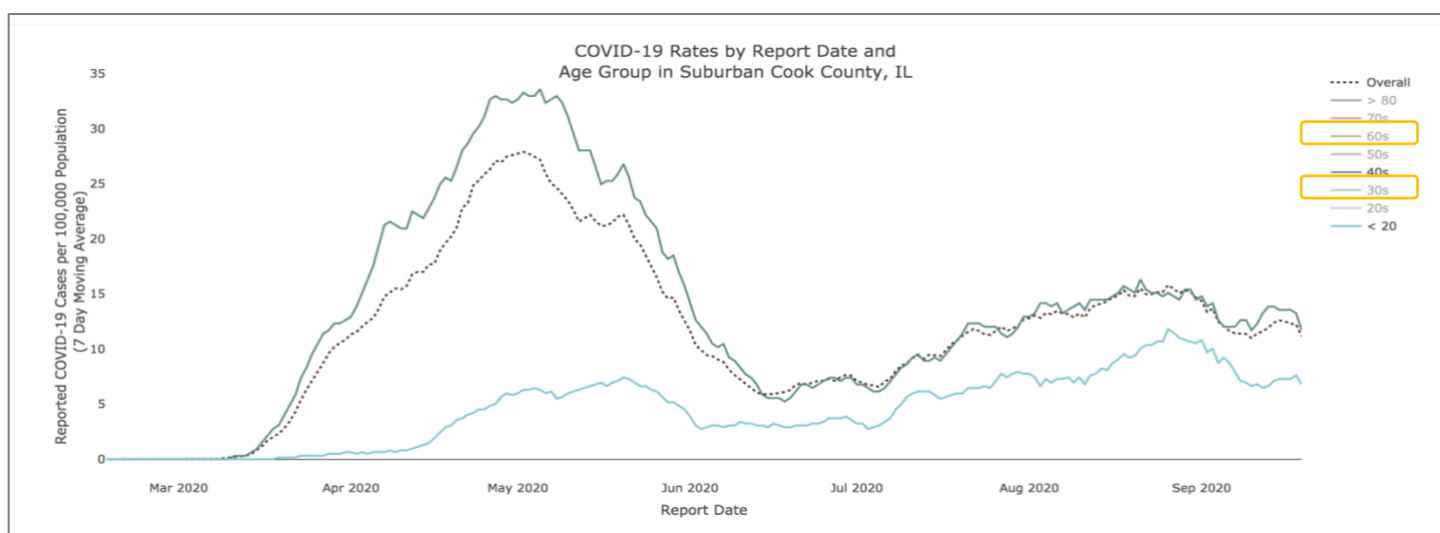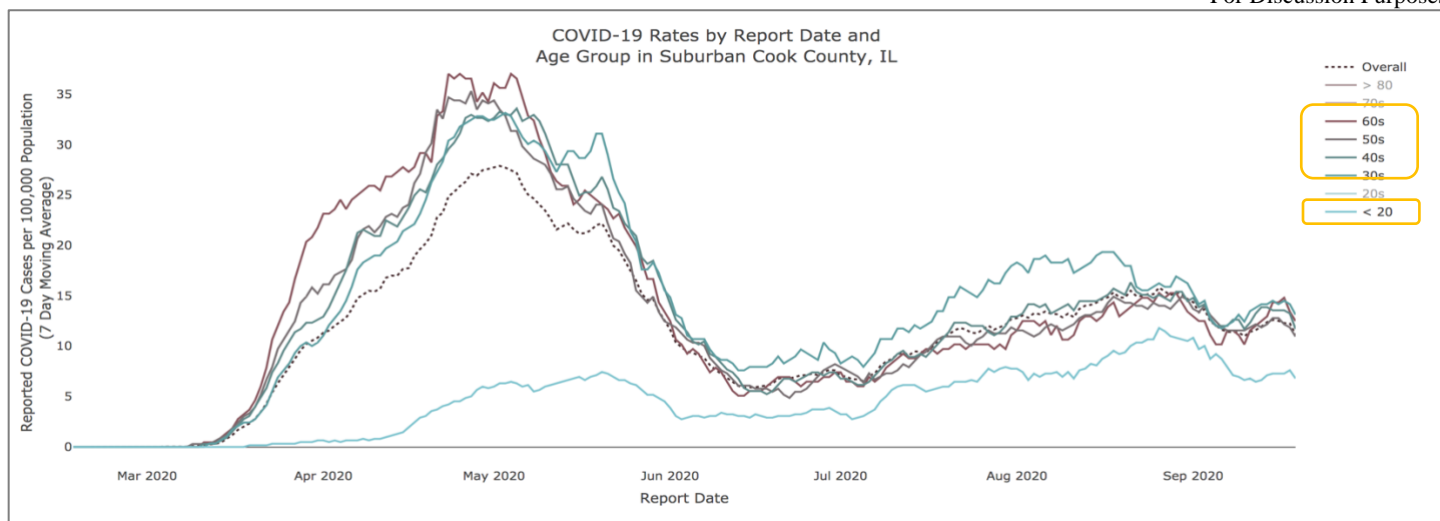
359 Youth Cases

✔ Minimal

Weekly Count of New Youth Cases increase

The total count of new cases that are Under 20 years old, reported during the 7 days is measured for the change from week to week for two consecutive weeks

Note: Newly proposed metric.

Additional COVID-19 Surveillance Data by Age: Cook County Department of Public Health

COVID-19 Cases by Age in Suburban Cook County, IL / COVID-19 Hospitalizations by Age in Suburban Cook County, IL

COVID-19 Rates by Report Date and Age Group in Suburban Cook County, IL

COVID-19 Rates by Report Date and Age Group in Suburban Cook County, IL

COVID-19 Rates by Report Date and Age Group in Suburban Cook County, IL

COVID-19 Percent Positivity by Specimen Collection Week and Age Group in Suburban Cook County, IL

Display Data by Public Health District

Overall

88
Weekly Case Rate per 100,000

5.3%
Test Positivity Last Week

Stable (Blue)
Current IDPH Risk Level for Suburban Cook

1
Number of Times IDPH Risk Level was Warning (Orange) in Last 4 Weeks

COVID-19 Cases by Report Week in
Suburban Cook County, IL

COVID-19 Youth Cases (< 20 yrs) by Report Week in
Suburban Cook County, IL

All CCDPH school metrics are updated on Wednesdays and refer to data from the previous Sunday through Saturday. IDPH metrics are updated on Fridays.
Hover over the bar graphs to view percent change in case counts from week to week. Youth counts/rates represent confirmed cases in individuals under 20 years old.
Weekly youth case counts by district between 1 and 4 are not shown to protect patient privacy.
Week ending dates are displayed, e.g. data point for September 5th contains data reported starting August 30th through September 5th.
All rates are calculated with populations from the 2010 United States Census.
District data is missing for 2.13% of confirmed COVID-19 cases and 9.12% of tests performed.
Cook County Department of Public Health District Map can be found here.

Display Data by Public Health District

North

78
Weekly Case Rate per 100,000

4.4%
Test Positivity Last Week

Stable (Blue)
Current IDPH Risk Level for Suburban Cook

1
Number of Times IDPH Risk Level was Warning (Orange) in Last 4 Weeks

COVID-19 Cases by Report Week in
Suburban Cook County, IL
North District

COVID-19 Youth Cases (< 20 yrs) by Report Week in
Suburban Cook County, IL
North District

All CCDPH school metrics are updated on Wednesdays and refer to data from the previous Sunday through Saturday. IDPH metrics are updated on Fridays.
Hover over the bar graphs to view percent change in case counts from week to week. Youth counts/rates represent confirmed cases in individuals under 20 years old.
Weekly youth case counts by district between 1 and 4 are not shown to protect patient privacy.
Week ending dates are displayed, e.g. data point for September 5th contains data reported starting August 30th through September 5th.
All rates are calculated with populations from the 2010 United States Census.
District data is missing for 2.13% of confirmed COVID-19 cases and 9.12% of tests performed.
Cook County Department of Public Health District Map can be found here.

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3. **Local COVID-19 Data:** Tracked by New Trier Township from the <u>Illinois Department of Public Health Metrics</u> (<u>Additional Metric Tracker Under Development at Northwestern University</u>)
   1. Rolling Average Number of Cases per 100,000 – 7-day Rolling Average

   1. Wilmette (60091)

Data for 9/23/2020 (7-Day)

Rolling Average Number Tested per Day	67.7
Rolling Average Number of Positive COVID Tests per Day	2.3
Rolling Average COVID Positivity Rate	3.38 %
Weekly New Case Rate per 100,000 population	57.8

Data for 9/23/2020 (14-Day)

Rolling Average COVID Positivity Rate	2.47 %
Weekly New Case Rate per 100,000 population	39.7

Over the Last Week:

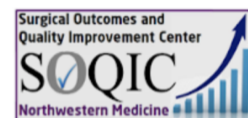|	9/16/2020	9/17/2020	9/18/2020	9/19/2020	9/20/2020	9/21/2020	9/22/2020
Tests per Day*	59.6	59.1	65.0	69.0	68.9	66.0	65.1
Cases per Day*	0.9	1.1	1.7	1.7	1.6	2.0	2.3
Positivity Rate*	1.44 %	1.93 %	2.64 %	2.48 %	2.28 %	3.03 %	3.51 %
Weekly New Case Rate per 100,000 population	21.7	28.9	43.3	43.3	39.7	50.6	57.8

* Calculated as 7-day rolling averages

Weekly New Case Rate per 100,000 population
(Hover over the line to see the rate for a specific day)

These data are calculated/estimated from publicly available data from IDPH. We do not have direct access to the raw data. These data are provided by the Surgical Outcomes and Quality Improvement Center (SOQIC) at Northwestern Medicine in partnership with our data analytics collaborator, Jeffrey Softcheck MBA, for informational purposes only. Data are updated daily from the IDPH COVID-19 statistics page (https://www.dph.illinois.gov/covid19/covid19-statistics). Data represent total number of tests performed and reported electronically at IDPH, commercial, or hospital laboratories. Data on this website are what has been entered into Illinois' National Electronic Disease Surveillance System (I-NEDSS). IDPH builds in a three-day lag into the data in order to add some cases that are not captured through I-NEDSS (~3% to 5% of the total data) when they publish data at the county-level or region-level on their own website. The data are constantly being entered and may change as cases are investigated. Zip code is the zip code of residence, which may not be the location of the exposure. Please send questions or suggestions for improvement to soqic@northwestern.edu.

2. New Trier Township Zip Codes (60022, 60043, 60091, 60093)

Data for 9/23/2020 (7-Day)

Rolling Average Number Tested per Day	174.6
Rolling Average Number of Positive COVID Tests per Day	4.6
Rolling Average COVID Positivity Rate	2.62 %
Weekly New Case Rate per 100,000 population	54.4

Data for 9/23/2020 (14-Day)

Rolling Average COVID Positivity Rate	2.73 %
Weekly New Case Rate per 100,000 population	51.0

Over the Last Week:

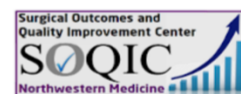|	9/16/2020	9/17/2020	9/18/2020	9/19/2020	9/20/2020	9/21/2020	9/22/2020
Tests per Day*	139.7	143.6	159.6	178.3	177.7	170.3	169.7
Cases per Day*	4.0	3.3	4.3	3.4	3.1	3.4	4.1
Positivity Rate*	2.86 %	2.29 %	2.69 %	1.92 %	1.77 %	2.01 %	2.44 %
Weekly New Case Rate per 100,000 population	47.6	39.1	51.0	40.8	37.4	40.8	49.3

* Calculated as 7-day rolling averages

Weekly New Case Rate per 100,000 population
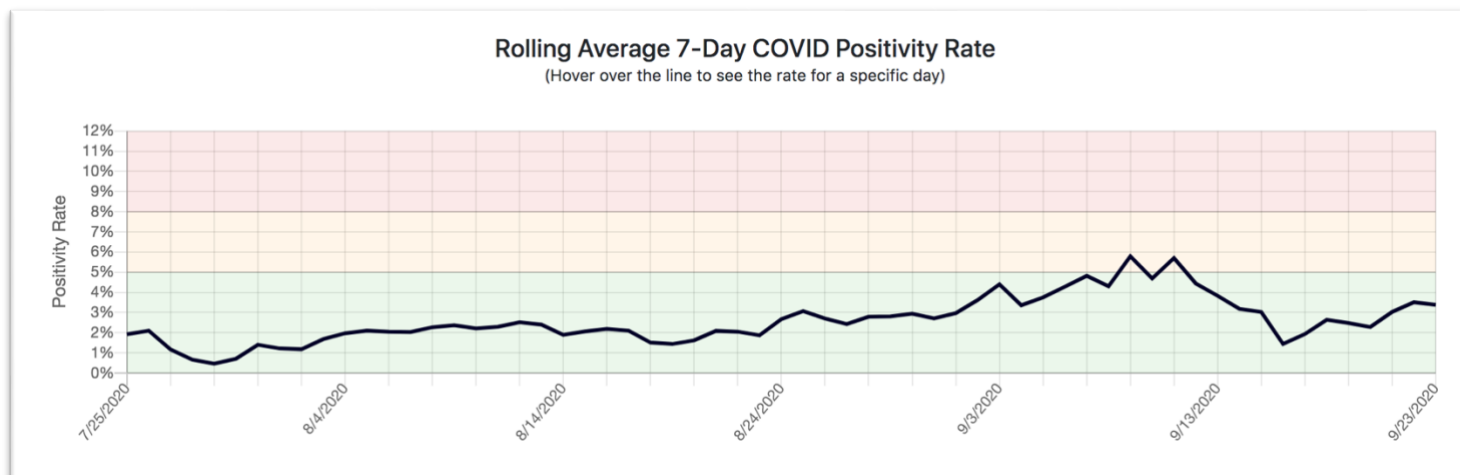(Hover over the line to see the rate for a specific day)

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3. **D39 Regional Zip Codes** (Zip Codes for 93% of D39 Staff, including: 60004, 60005, 60015, 60016, 60018, 60025, 60026, 60030, 60031, 60035, 60040, 60044, 60045, 60047, 60048, 60053, 60056, 60060, 60061, 60062, 60067, 60068, 60069, 60070, 60073, 60074, 60076, 60077, 60085, 60089, 60090, 60091, 60093, 60201, 60202, 60610, 60611, 60613, 60614, 60618, 60622, 60625, 60626, 60630, 60631, 60634, 60640, 60641, 60642, 60645, 60646, 60647, 60654, 60656, 60657, 60659, 60660, 60712, 60714)

Note: Adjusted zip codes now reflect 93% of D39 staff.

Data for 9/23/2020 (7-Day)

Rolling Average Number Tested per Day	7959.4
Rolling Average Number of Positive COVID Tests per Day	242.1
Rolling Average COVID Positivity Rate	3.04 %
Weekly New Case Rate per 100,000 population	72.9

Data for 9/23/2020 (14-Day)

Rolling Average COVID Positivity Rate	3.27 %
Weekly New Case Rate per 100,000 population	71.4

Over the Last Week:

	9/16/2020	9/17/2020	9/18/2020	9/19/2020	9/20/2020	9/21/2020	9/22/2020
Tests per Day*	6541.0	6849.3	7993.3	7843.3	8071.1	7951.1	8108.4
Cases per Day*	232.4	236.6	275.1	242.1	244.9	247.9	245.0
Positivity Rate*	3.55 %	3.45 %	3.44 %	3.09 %	3.03 %	3.12 %	3.02 %
Weekly New Case Rate per 100,000 population	70.0	71.2	82.8	72.9	73.7	74.6	73.7

* Calculated as 7-day rolling averages

Weekly New Case Rate per 100,000 population
(Hover over the line to see the rate for a specific day)

These data are calculated/estimated from publicly available data from IDPH. We do not have direct access to the raw data. These data are provided by the Surgical Outcomes and Quality Improvement Center (SOQIC) at Northwestern Medicine in partnership with our data analytics collaborator, Jeffrey Softcheck MBA, for informational purposes only. Data are updated daily from the IDPH COVID-19 statistics page (https://www.dph.illinois.gov/covid19/covid19-statistics). Data represent total number of tests performed and reported electronically at IDPH, commercial, or hospital laboratories. Data on this website are what has been entered into Illinois' National Electronic Disease Surveillance System (I-NEDSS). IDPH builds in a three-day lag into the data in order to add some cases that are not captured through I-NEDSS (~3% to 5% of the total data) when they publish data at the county-level or region-level on their own website. The data are constantly being entered and may change as cases are investigated. Zip code is the zip code of residence, which may not be the location of the exposure. Please send questions or suggestions for improvement to soqic@northwestern.edu.
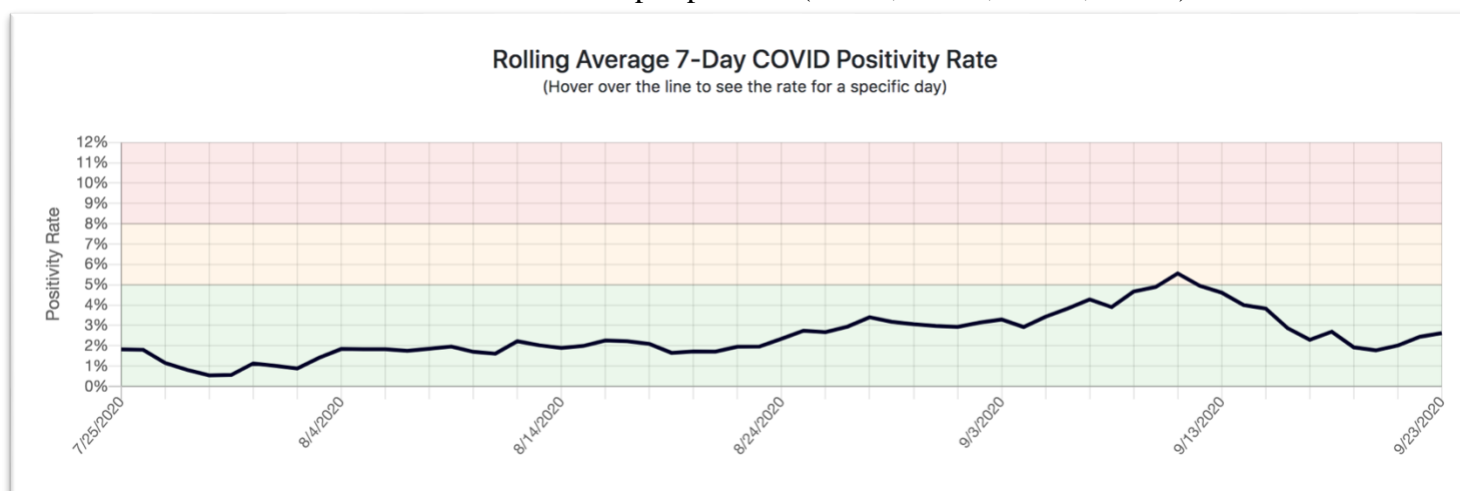
11

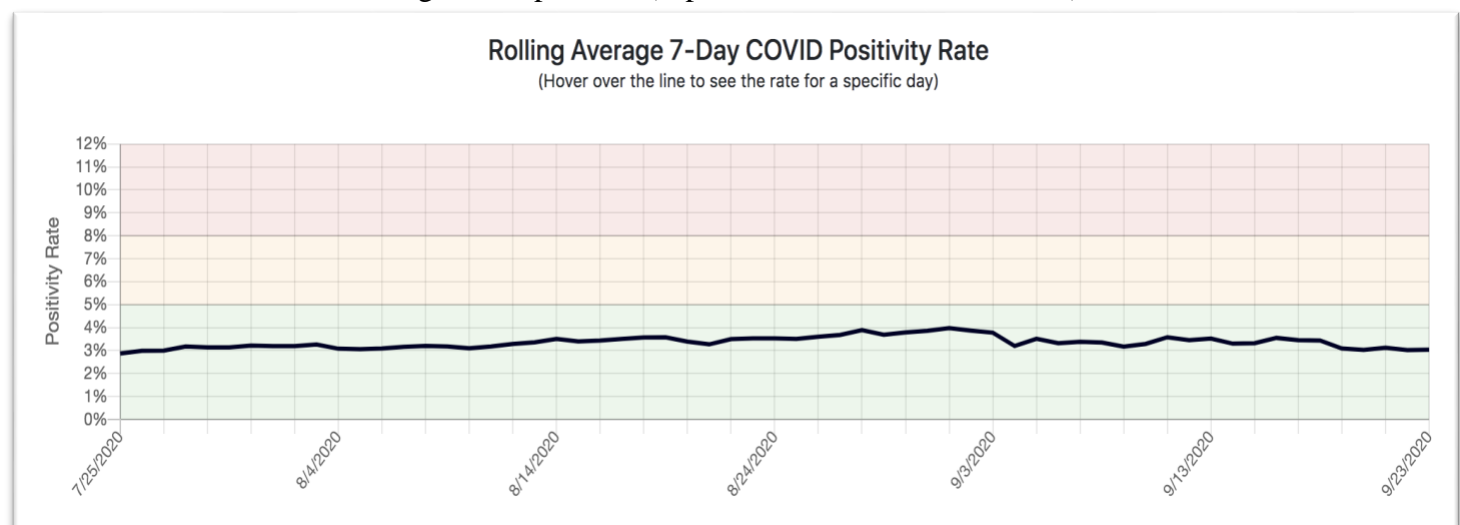2. Rolling Average COVID Positivity Rates – 7-day Rolling Average
   1. Wilmette (60091)

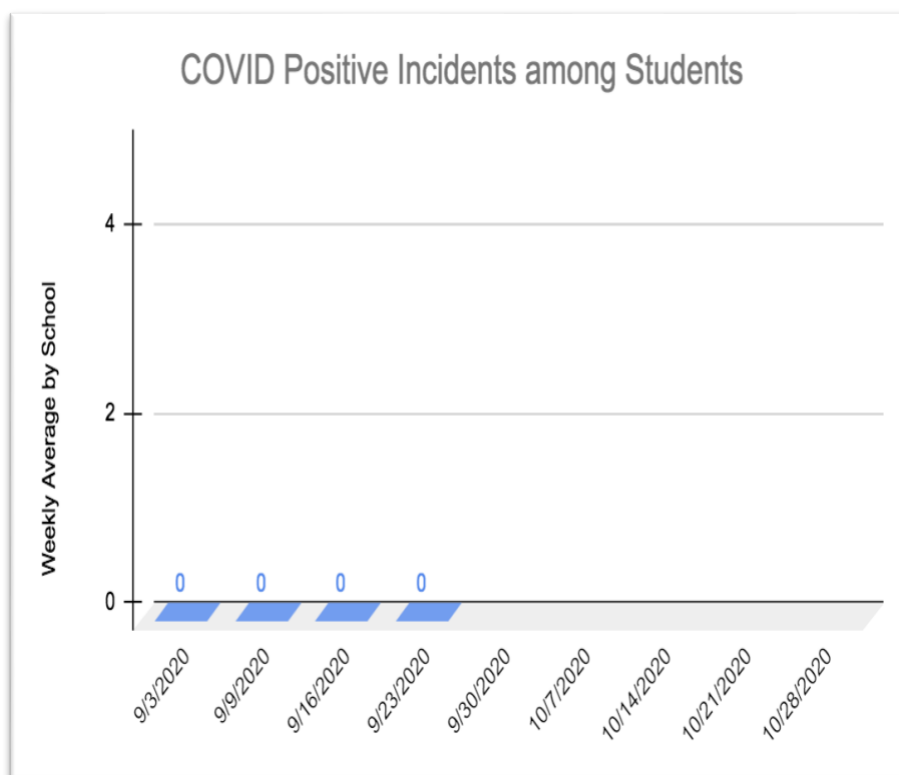2. New Trier Township Zip Codes (60022, 60091, 60093, 60043)

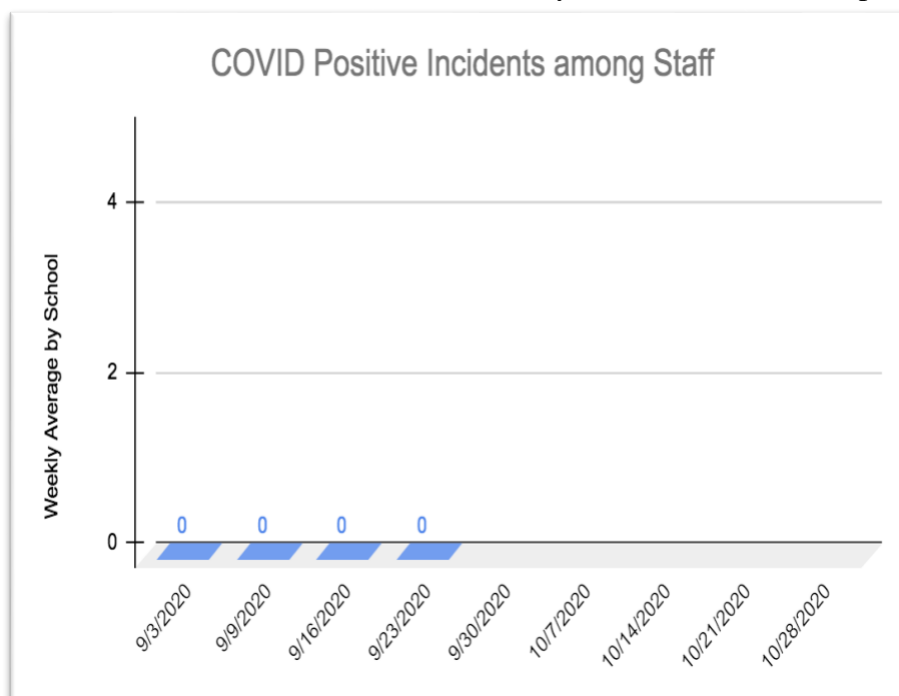3. Regional Zip Codes (Zip Codes for 93% of D39 Staff)

3. COVID-19 Positive Cases Reported in D39
    1. D39 Students (Tracked by School Nurses)

Targets for COVID-19 + Cases			
	Substantial	Moderate	Minimal
Weekly Average by School	>3	2 to 1	0

2. D39 Staff (Tracked by Human Resources Department)

Targets for COVID-19 + Cases			
	Substantial	Moderate	Minimal
Weekly Average by School	>3	2 to 1	0

4. **Operational Metrics - Are there persistent challenges that cannot be resolved?**

District employees are asked to report persistent challenges with social distancing, mask wearing, PPE availability and/or facility adaptations needs via a weekly survey. Targets were established based on capacity to address challenges within the week. The district employs a total of 568 individuals and the total number of survey respondents are reported weekly.

1. Social Distancing Compliance (# of challenges identified by staff)
2. Mask Wearing Compliance (# of challenges identified by staff)

	Substantial	Moderate	Minimal
Weekly Average by District	>24	<=24 to >6	<=6
Weekly Average by School	>4	<=4 to >1	<=1

Targets: Frequency of Reports of Persistent Challenges with Social Distancing/Mask Wearing

3. Washroom Break Management (evaluation of schedule effectiveness, emergency access)
4. Lunch Safety Management (# of challenges identified by staff)

No Data to Report for the week of 9/21/2020

5. Self-Certification Compliance (# of students arriving to school without self-certifying)


Self-Certification Assistance
Daily Average for the District
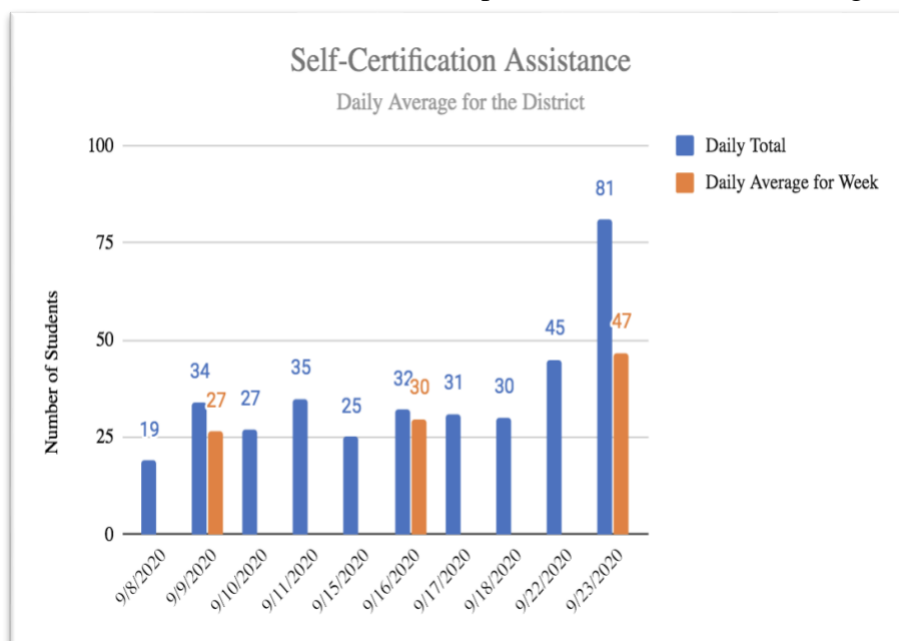
Targets for Frequency of Self-Certification Non-compliance			
	Substantial	Moderate	Minimal
Daily Average by District	>96	<=96 to >30	<=30
Daily Average by School	>16	<=16 to >5	<=5

Note: Twice as many students attending school in-person on 22nd and 23rd. Noteworthy increase in number of self-cert support needed at Central and HMS on 23rd.

5. **Supplies and Facilities - Are there persistent challenges that cannot be resolved?**
The District employs 568 individuals. 119 responses were received.

1. PPE Availability Needs/Persistent Challenges Guidance (# of challenges identified)
2. Facility Adaptations to Accommodate Health Guidance (# of challenges identified by staff. This might include classroom and/or school challenges.)

Operational Metrics
Frequency of Persistent Challenges
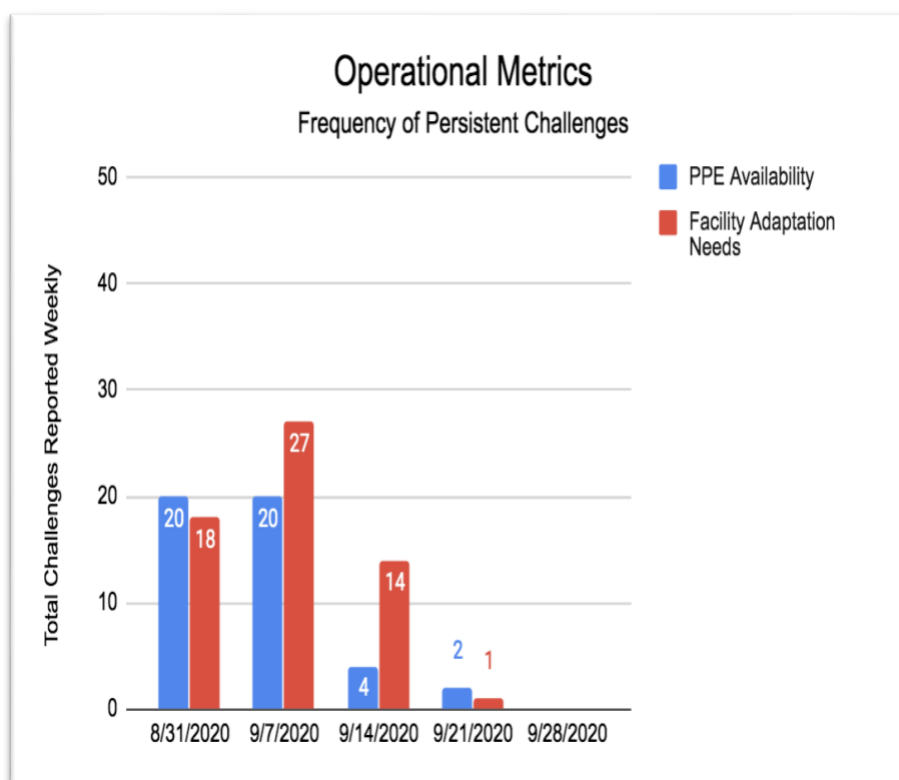
| Targets: Frequency of Reports of Persistent Challenges with PPE Availability/Facility Adaptations			
	Substantial	Moderate	Minimal
Weekly Average by District	>24	<=24 to >6	<=6
Weekly Average by School	>4	<=4 to >1	<=1

6. **Staffing Levels -** (Tracked by Human Resources Department via Frontline)

1. Certificated Staff Sick Day Absences (382 employees; 1,910 work days per week)
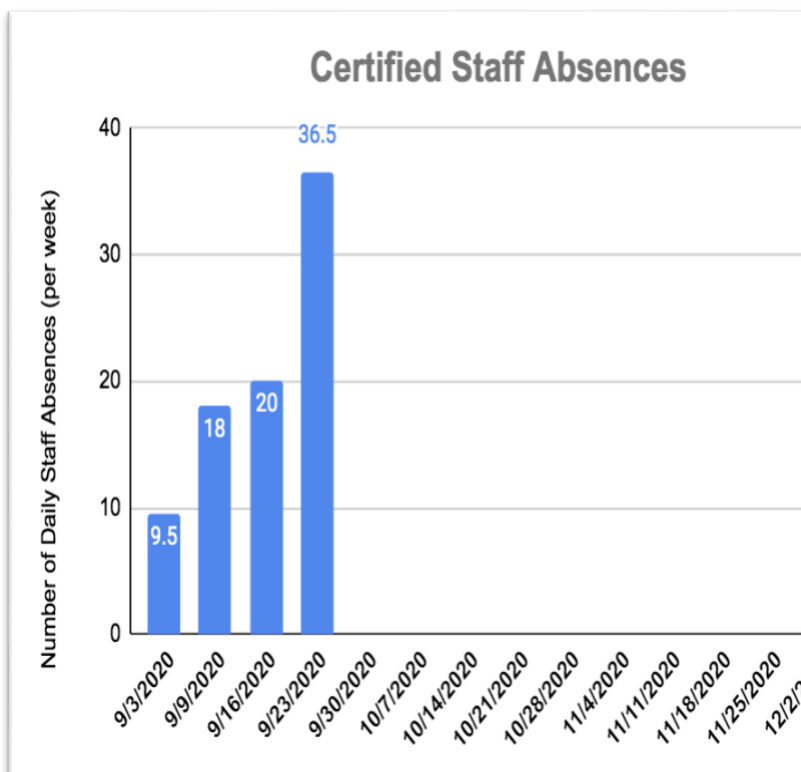
Targets for Certified Staff Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>60	<=60 to >30	<=30
Weekly Average by School	>10	<=10 to >5	<=5
Daily Average by School	>2	<=2 to >1	<=1
66.5 = Average Number of Certified Staff Sick Day Absences per Week in 2019-20			

2. Custodial Staff Sick Day Absences (34 employees; 170 work days per week)
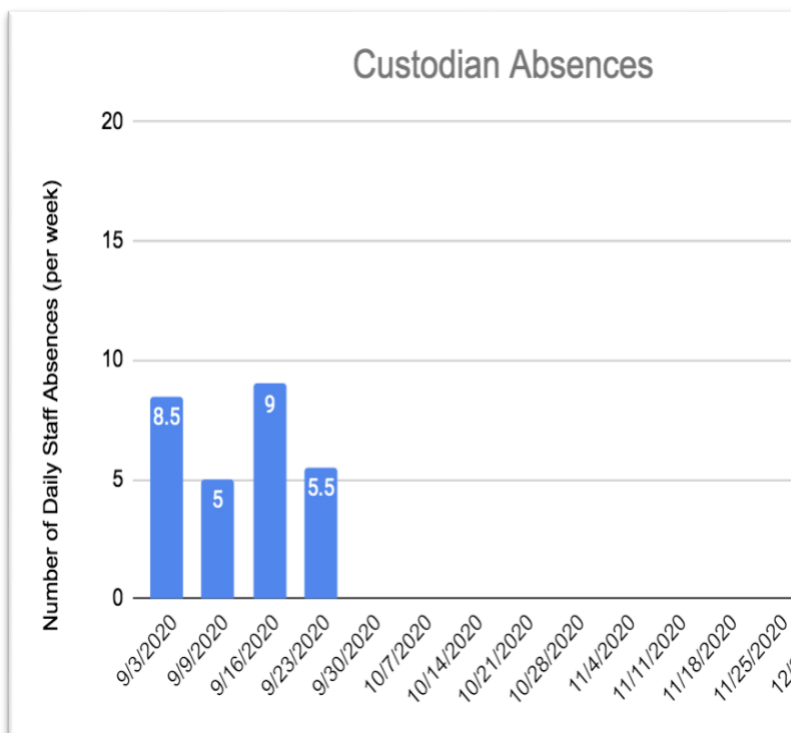
Targets for Custodian Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>30	<=30 to >12	<=12
Weekly Average by School	>5	<=5 to >2	<=2
Daily Average by School	>1	<=1 to >0.4	<=0.4
6.7 = Average Number of Custodian Staff Sick Day Absences per Week in 2019-20			

3. Support Staff Sick Day Absences (152 employees; 760 work days per week)
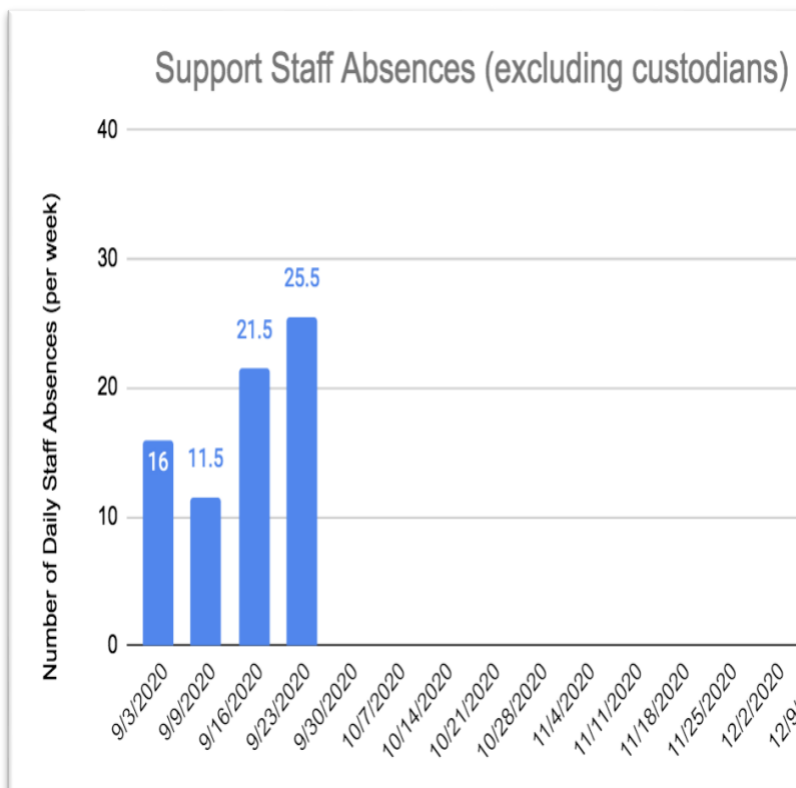
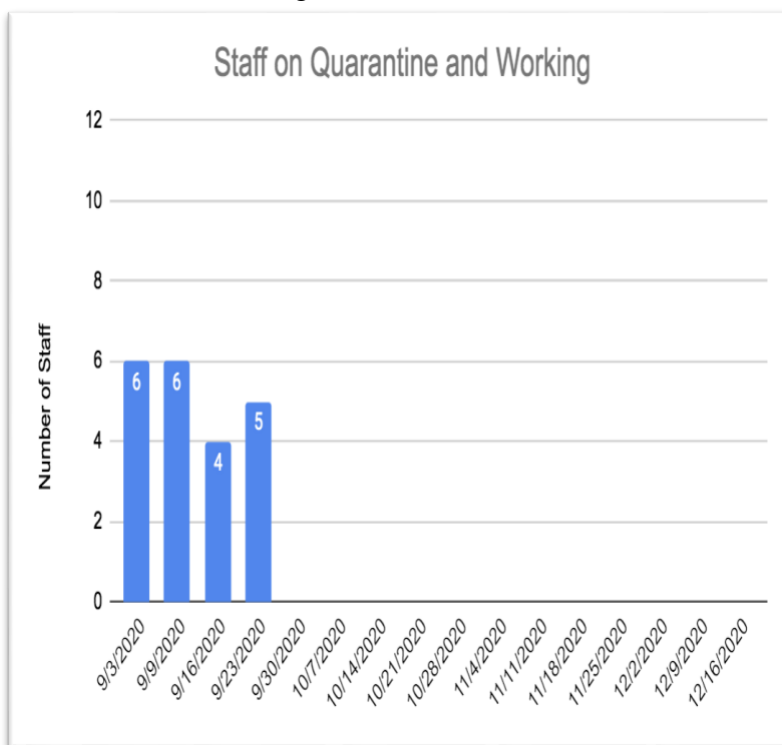| Targets for Support Staff Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>60	<=60 to >30	<=30
Weekly Average by School	>10	<=10 to >5	<=5
Daily Average by School	>2	<=2 to >1	<=1
27.0 = Average Number of Support Staff Sick Day Absences per Week in 2019-20			

4. Availability of Substitutes (Unfilled Substitute Positions; Filled Internally)
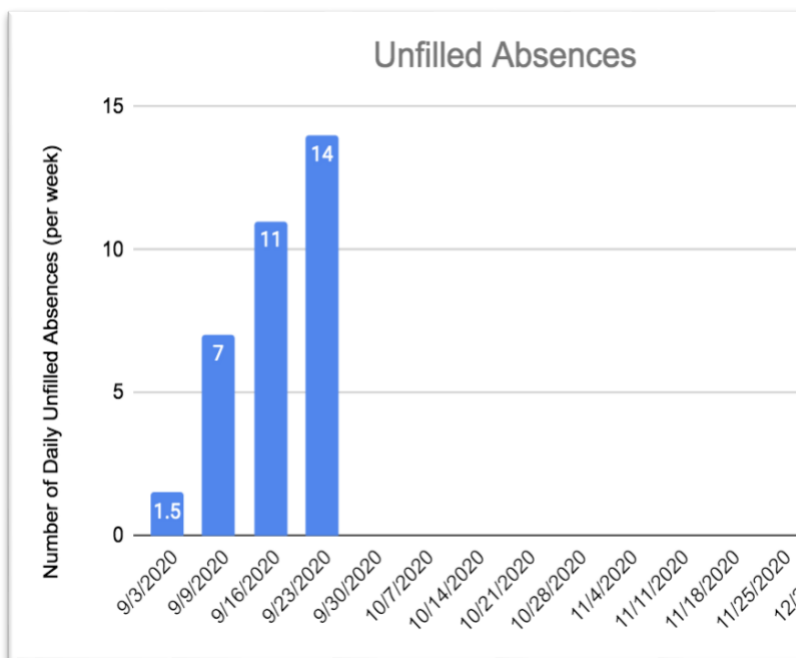
| Targets for Unfilled Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>12	<=12 to >6	<=6
Weekly Average by School	>2	<=2 to >1	<=1
17.0 = Average Number of Unfilled Absences per Week in 2019-20			

5. Staff Quarantine Rates (COVID Days)

17

1. Staff Working While on Quarantine

Targets for Staff Working While on Quarantine			
	Substantial	Moderate	Minimal
Weekly Average by District	>12	<=12 to >6	<=6
Weekly Average by School	>2	<=2 to >1	<=1

2. Staff Not Working While on Quarantine
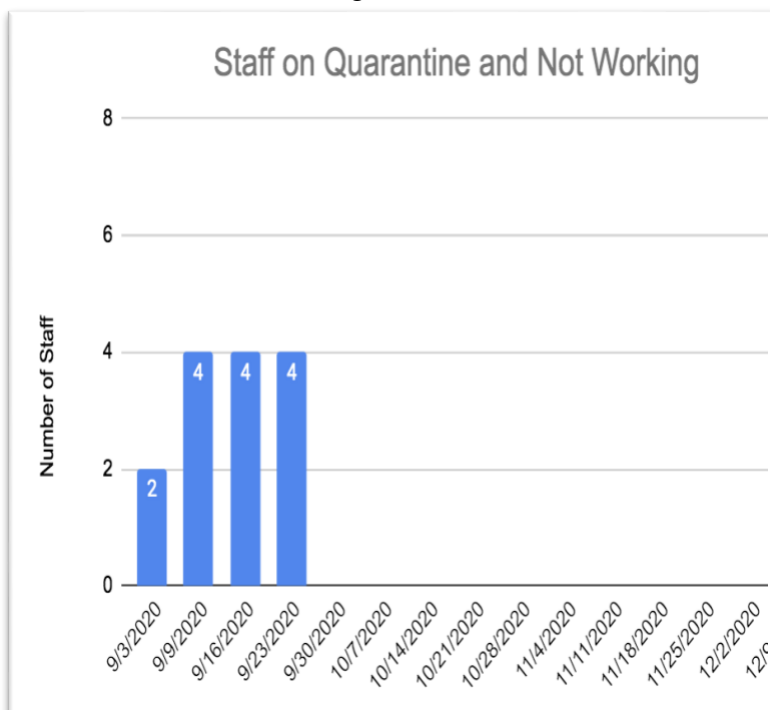
Targets for Staff on Quarantine and Not Working			
	Substantial	Moderate	Minimal
Weekly Average by District	>6	<=6 to >3	<=3
Weekly Average by School	>1	<=1 to >0.5	<=0.5

Vacant Postions
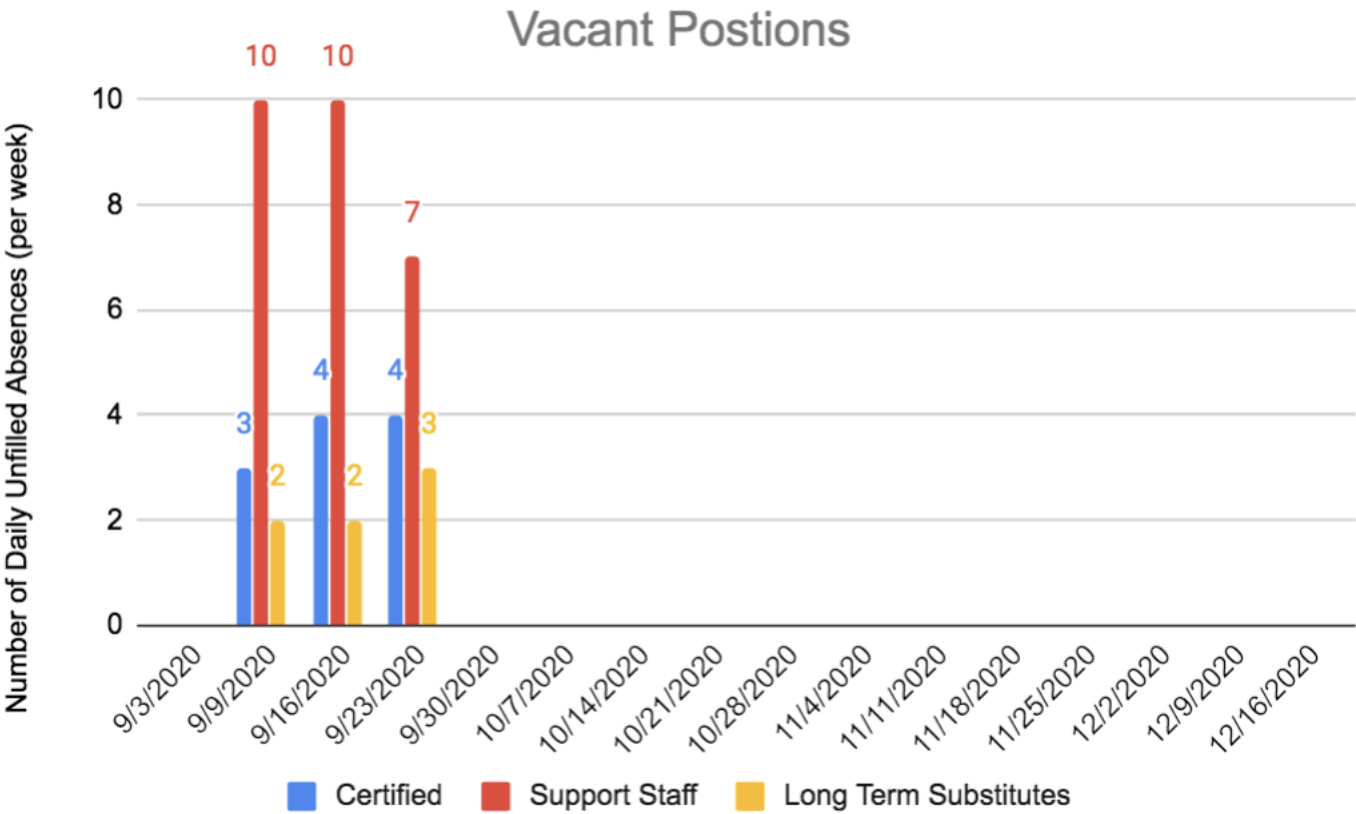
7. **Student Absences** (Tracked within Student Information System)
   1. Daily Student Absences

District-Wide Absence Percentage

Date	Central Absences	Central Percent Absent	Harper Absences	Harper Percent Absent	McKenzie Absences	McKenzie Percent Absent	Romona Absences	Romona Percent Absent	Highcrest Absences	Highcrest Percent Absent	WJHS Absences	WJHS Percent Absent	District Absences	District Percent Absent
09/16/2020	4.5	1.05%	9.5	2.35%	3.5	.84%	5.5	1.1%	11	1.35%	9	1.09%	43	1.27%
09/17/2020	7.5	1.75%	7	1.73%	4.5	1.08%	5.5	1.1%	9.5	1.17%	11.5	1.39%	45.5	1.34%
09/18/2020	9	2.1%	9	2.23%	7.5	1.79%	8.5	1.7%	13.5	1.66%	5.5	.67%	53	1.56%
09/21/2020	3.5	.82%	3.5	.87%	4.5	1.08%	6	1.2%	8	.98%	14.5	1.76%	40	1.18%
09/22/2020	6	1.4%	8.5	2.1%	7	1.67%	6	1.2%	14.5	1.78%	13.5	1.64%	55.5	1.64%
09/23/2020	1.5	.35%	5.5	1.36%	4.5	1.08%	8.5	1.7%	12.5	1.54%	12	1.45%	44.5	1.31%

Student Absences chart — Percent of Average Daily Student Absence by Week: 9/2/20 = 0.58%, 9/9/20 = 0.85%, 9/16/20 = 1.07%, 9/23/20 = 1.46%
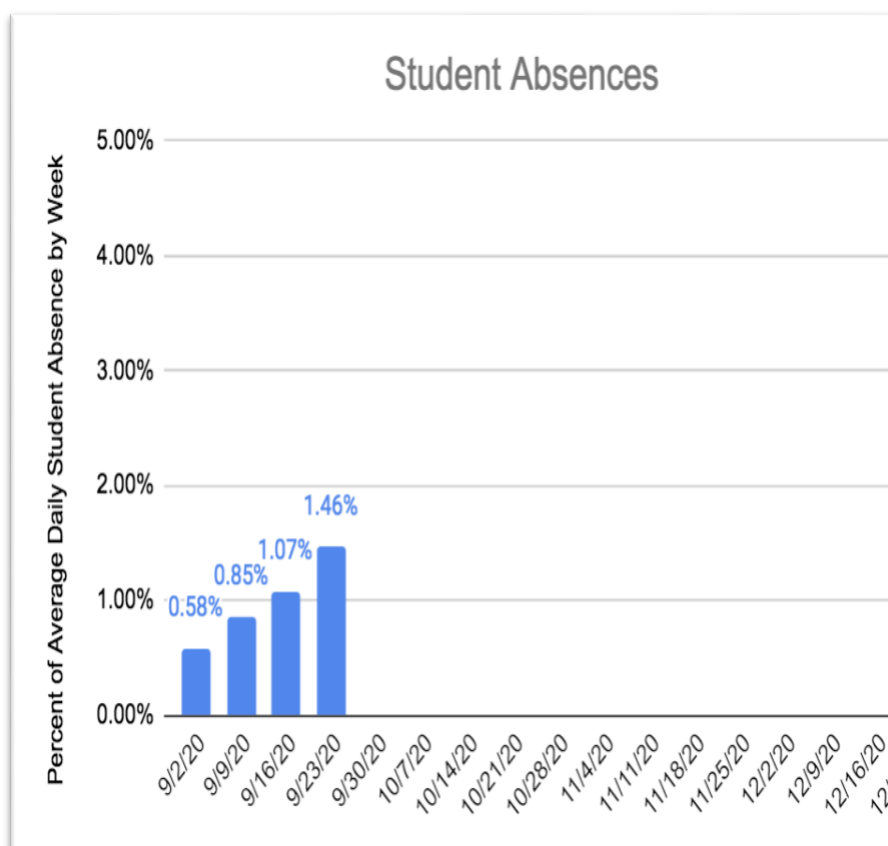
Targets for Student Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>7%	<=6% to >4%	<=4%

Typical annual student attendance in District 39 in 95.7% (ISBE Report Card). Thus, typical student absence rates are approximately 4.3%.

2. Student Quarantine Rates
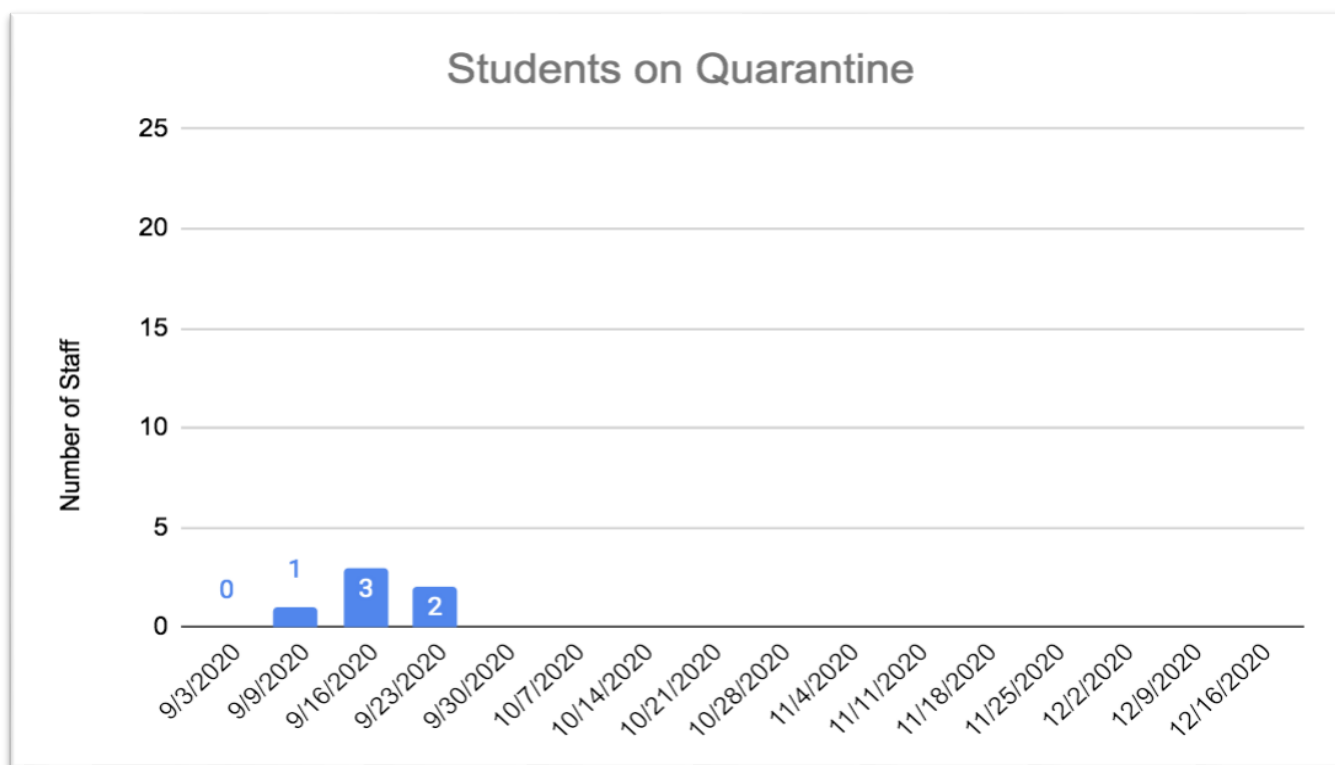
3. Class Quarantine Rates
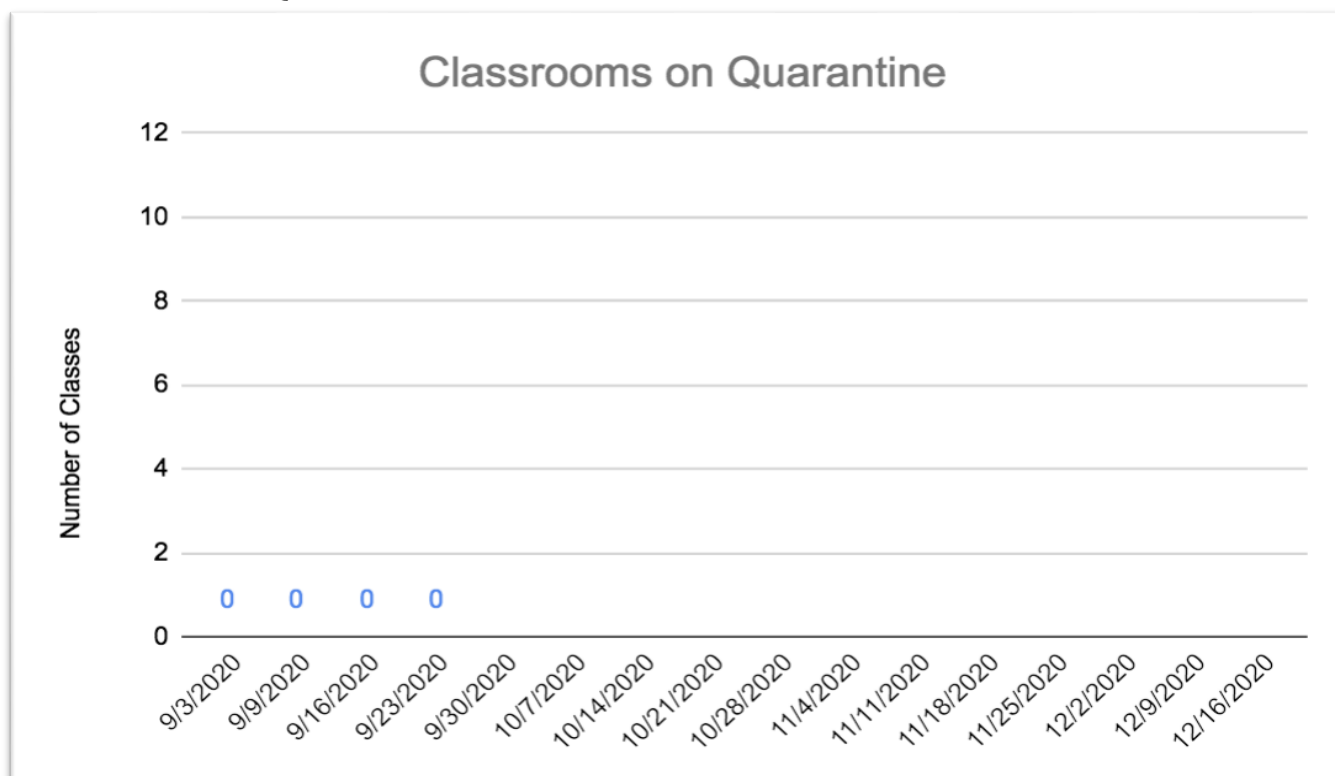
8. **Effective Instruction**
    1. Engagement Levels in Remote Learning
    2. Learning Progress of Students

Under Development

9. **Current Scientific Research**: The research on SARS-CoV2 and COVID-19 continues to develop rapidly. The latest findings on spread, mitigation, treatment, and health impact will inform the District's decision-making process.