Metrics Reopening Advisory Team

Metrics Dashboard

Report Date:12/4/2020 *(Reflects data gathered: 11/25/20 – 12/2/20)*

		Full Report Page #	Days in Red	Substantial	Moderate				Minimal	
Restore Illinois Plan				Phase 3	Phase 4				Phase 5	
Resurgence Test Positivity Data 7 Day Rolling Ave	Region 10	Pages 4-5	4 weeks	12.4	7.0	6.0	5.0	4.0	3.0	2.0
	Region 9	Page 5	5 weeks	12.8	7.0	6.0	5.0	4.0	3.0	2.0
	Region 11	Page 5	5 weeks	12.0	7.0	6.0	5.0	4.0	3.0	2.0
Suburban Cook County	New Cases Per 100k	Page 6	4 week Orange designated 10/26	589	≤100	to		>50	≤ 50	
	Test Positivity	Page 6		14.8	7.0	6.0	5.0	4.0	3.0	2.0
New Cases Per 100,000 7-day Rolling Average	Wilmette	Page 10	4 weeks	303	≤100	to		>50	≤ 50	
	NT Township	Page 11	5 weeks	362	≤ 100	to		>50	≤ 50	
	D39 Staff Regional Zip	Page 12	6 weeks	411	≤ 100	to		>50	≤ 50	
Positivity Rates 7-day Rolling Average	Wilmette	Page 10		9.0	7.9	7.0	6.0	5.0	4.0	3.0	2.0
	NT Township	Page 11	2 days 12/1-12/2	9.0	7.0	6.0	5.0	4.0	3.0	2.0
	D39 Staff Regional Zip	Page 12	4 weeks	8.9	7.0	6.0	5.0	4.0	3.0	2.0
COVID Positive Cases *	Students	Page 13		>13	≤ 12	to		≥ 6	4	≤ 5
	Staff	Page 13		>13	≤ 12	to		≥ 6	≤	1
	Max in 1 School	Page 14		≥ 6	< 5	to		2**	≤ 1	
Operational Metrics	Mask Wearing	Page 15		>36	≤ 36	to		>12	≤ 12	
	Washroom Mgmt	Page 16		>24	≤ 24	to		>12	≤ 12	
	Lunch Mgmt	Page 16		>24	≤ 24	to		>12	≤ 12	
	Self-Cert Compliance	Page 17		>96	≤ 96	to		>30	≤ 30	
Supplies & Facilities Needs	PPE Availability	Page 16		>24	≤ 24	to		>12	≤ 12	
	Facility Adaptations	Page 16		>24	≤ 24	to		>12	≤ 12	
Staffing Levels Number of Daily Sick Day Absences Per Week	Certificated Absences	Page 19		>60	≤ 60	to		> 30	16*	
	Custodial Absences	Page 19		>30	≤ 30	to		>15	≤	1.5*
	Support Staff Absences	Page 20		>60	≤ 60	to		>30	9*	
	Unfilled Absences	Page 20		>30	≤ 30	to		> 15	≤ 1	3*
	Working Quarantine	Page 21	9 weeks	52	12	≤ 12	to		> 6	≤ 6
	Non-Working Quarantine	Page 21	9 weeks	13	≤ 6	to		> 3	≤ 3	
Student Absence Rates		Page 23		>7%	≤ 6%	to		> 4%	≤	1.05
Student Quarantine		Page 24		>48	≤ 48	to		>18		
Class Quarantine		Page 24		>18	≤ 18	to		> 6		

** Week included 3 non-work days for Certificated and Support Staff.*

*** Grey boxes reflect operational data not collected this week.*

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

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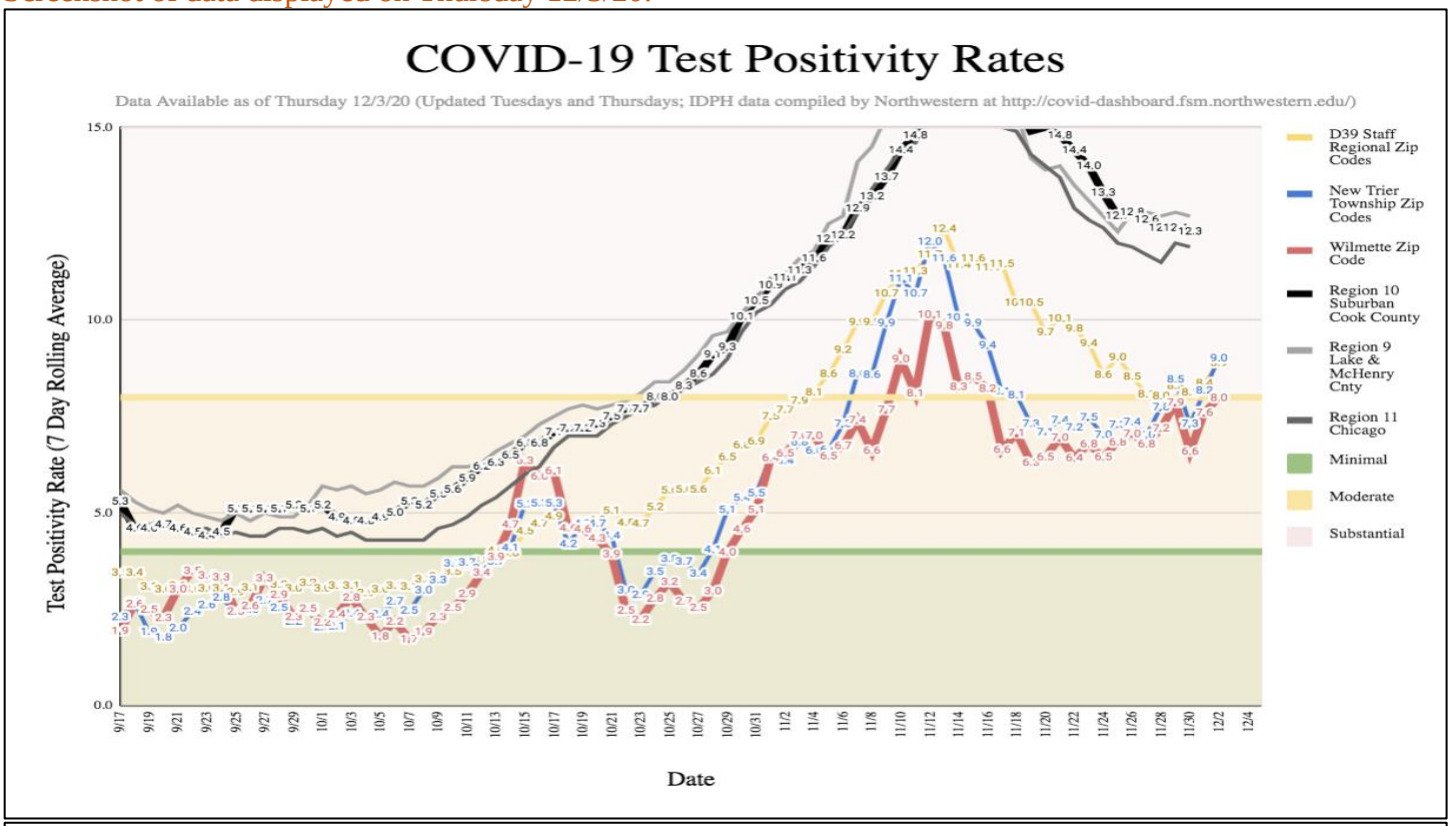
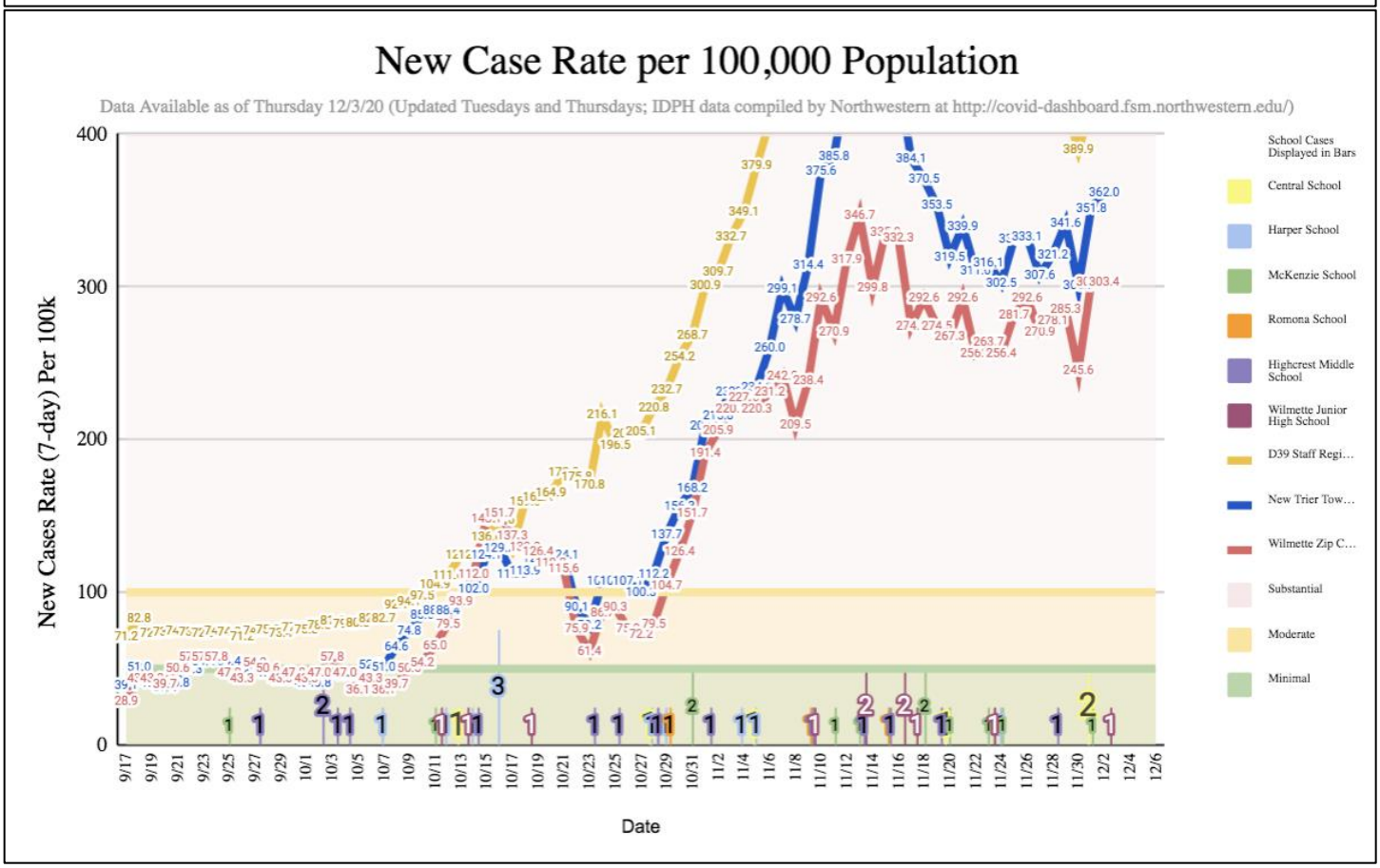
Metrics Under Review

Summary Charts – Published to the [Metrics Reopening Advisory Team Website]

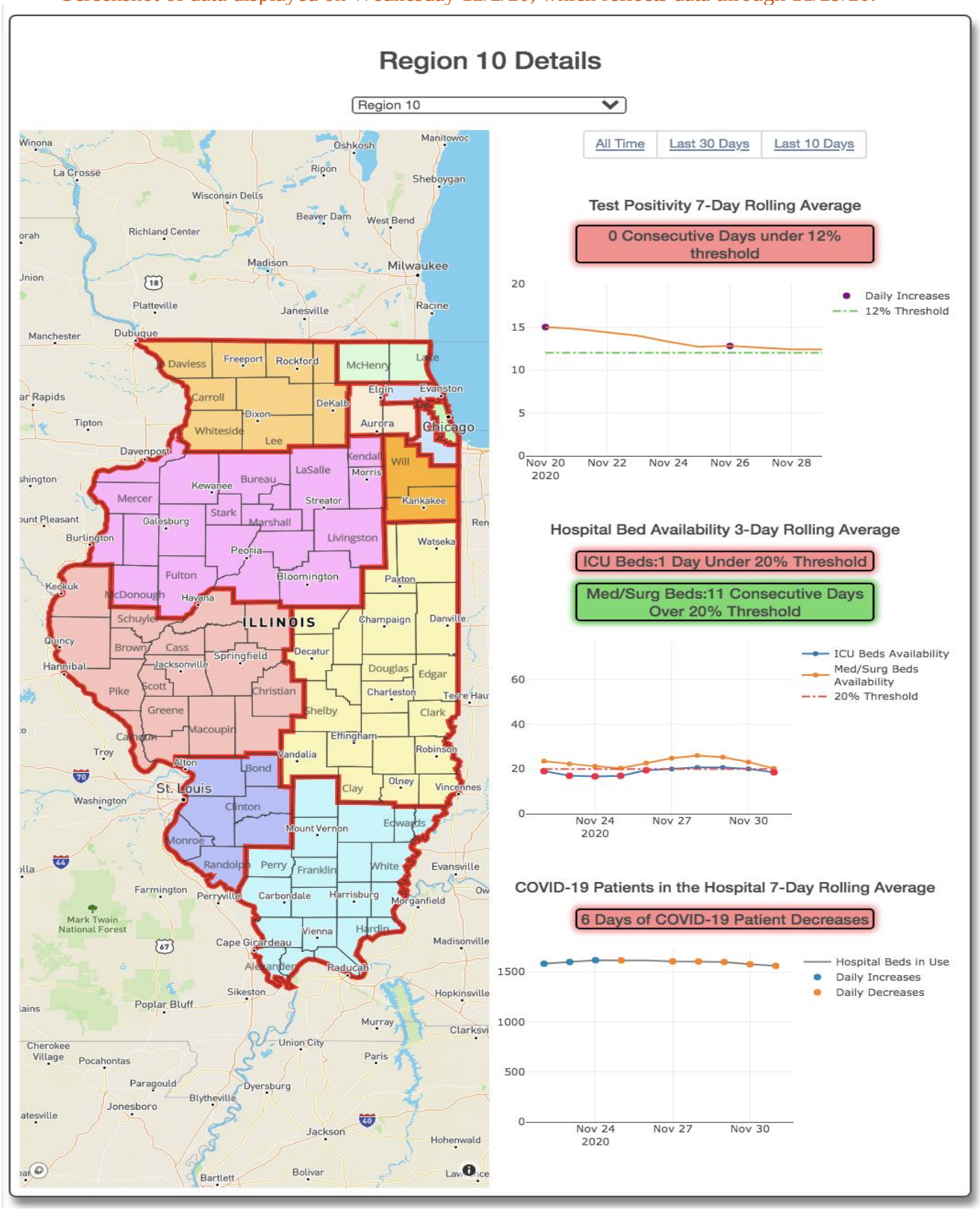
Screenshot of data displayed on Thursday 12/3/20.





1. **Governor's Restore Illinois Plan: [Metrics]**
    1. Region 10 Illinois Region COVID-19 Resurgence Data

Screenshot of data displayed on Wednesday 12/2/20, which reflects data through 11/29/20.



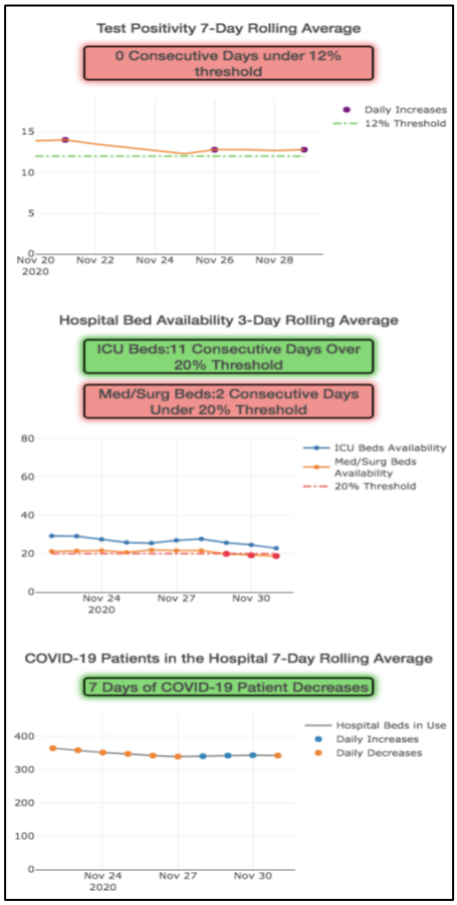
Region 10 Test Positivity

Date	Positive Tests	Total Tested	Daily Test Positivity	Test Positivity 7-Day Rolling Avg
11/19/2020	2,487	18,971	13.1	14.9
11/20/2020	2,759	18,951	14.6	15
11/21/2020	2,128	14,583	14.6	14.8
11/22/2020	2,180	17,267	12.6	14.4
11/23/2020	1,911	17,050	11.2	14
11/24/2020	2,347	21,007	11.2	13.3
11/25/2020	2,103	17,359	12.1	12.7
11/26/2020	2,024	14,206	14.2	12.8
11/27/2020	1,750	13,269	13.2	12.6
11/28/2020	1,540	11,822	13.0	12.4
11/29/2020	1,580	12,002	13.2	12.4

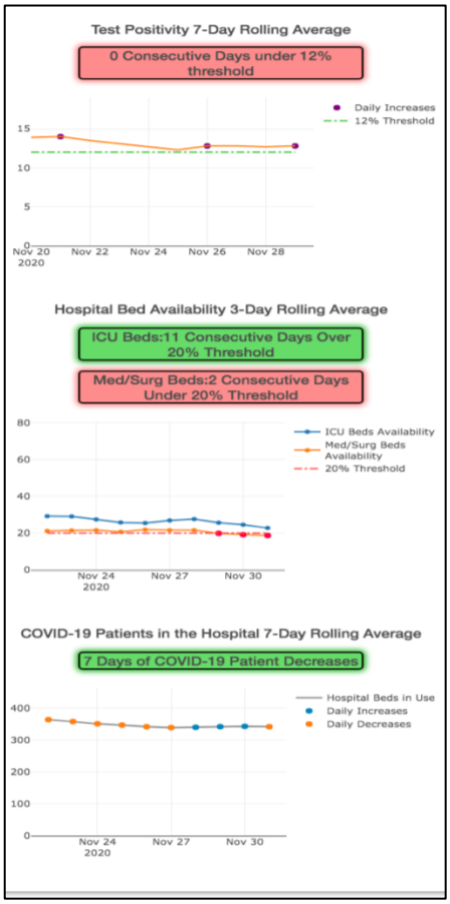
2. Region 9, 10 and 11 Illinois Region COVID-19 Resurgence Data

Screenshot of data displayed on Wednesday 12/2/20, which reflects data through 11/29/20.

Region 9
(Includes Lake and McHenry County)



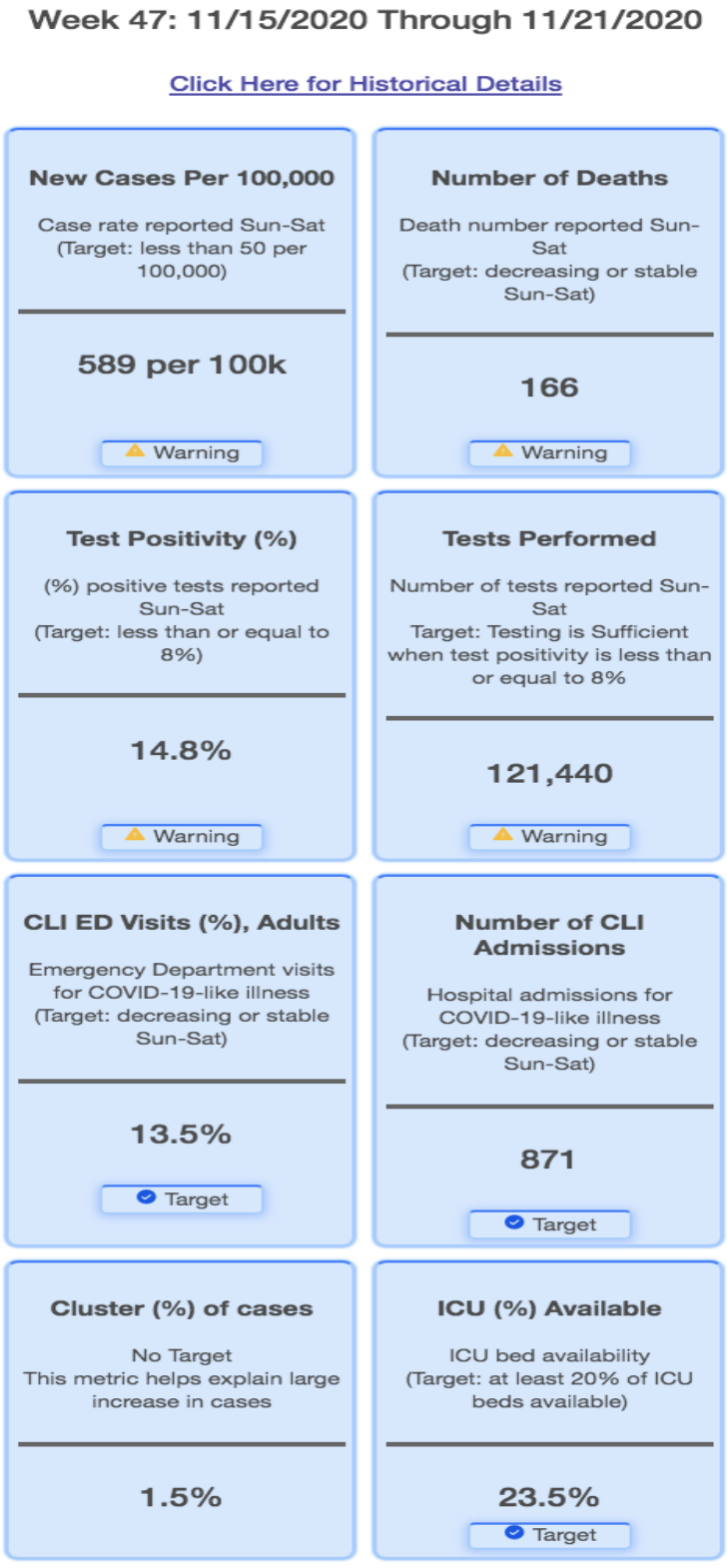
Region 10
(Includes Suburban Cook County)



Region 11
(Includes Chicago)

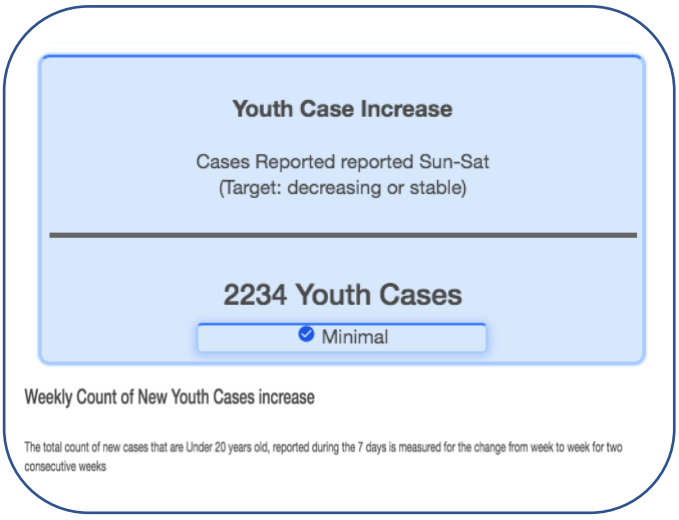
2. **Cook County Level COVID-19 Risk Metrics**: **Metrics**
    1. "Cook" County = Suburban Cook
    2. Description of these Metrics

Screenshot of data as displayed on Wednesday 12/2/20.



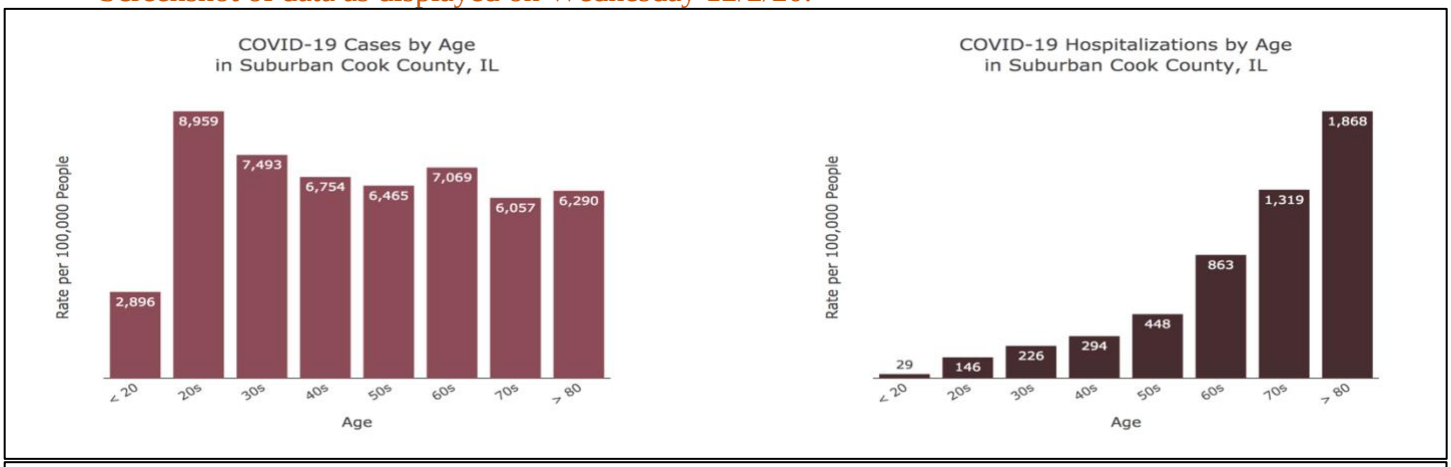
Metric Guidance for Local Health Departments to Prompt Discussion with School Officials

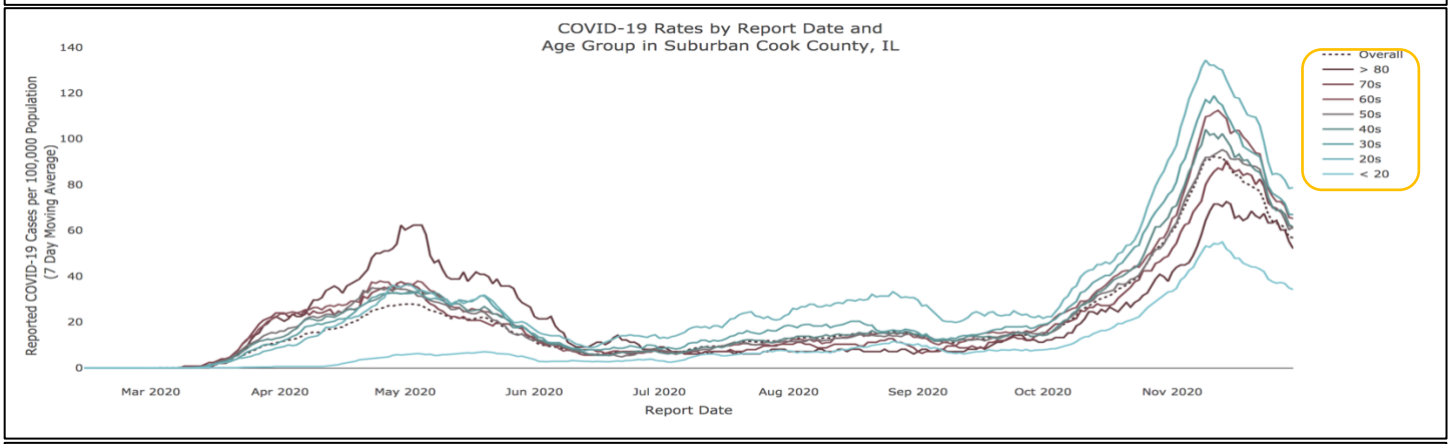
	Minimal Community Transmission	Moderate Community Transmission	Substantial Community Transmission
County-Level Metric	Alert for one metric but remained BLUE at any point in the last 4 weeks Weekly county case rates <= 50 per 100,000 Weekly county overall case numbers increase for two consecutive weeks 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

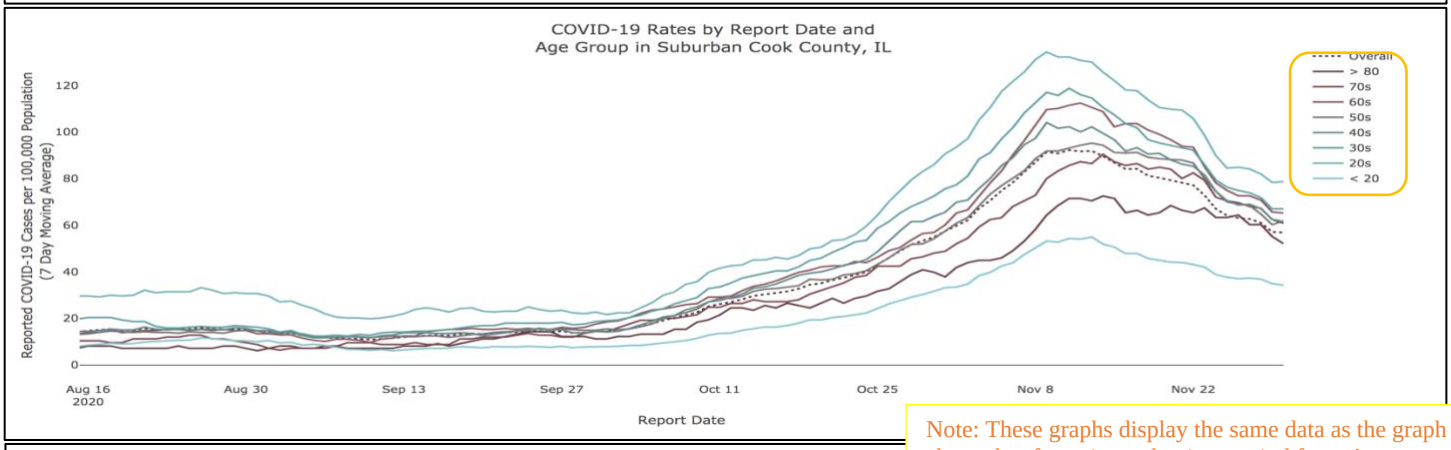


Additional COVID-19 Surveillance Data by Age: [Cook County Department of Public Health]

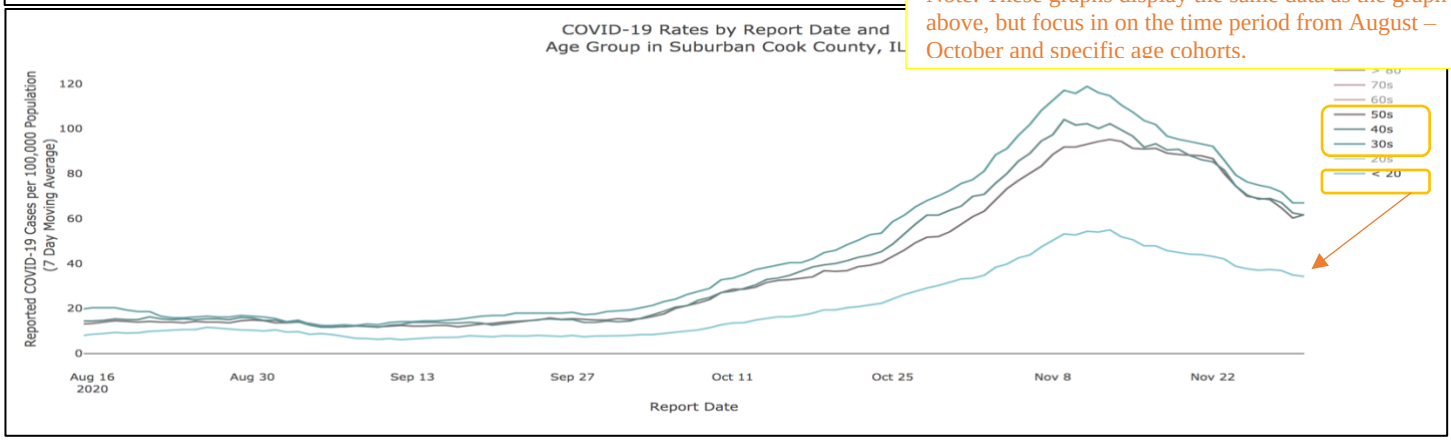
Screenshot of data as displayed on Wednesday 12/2/20.



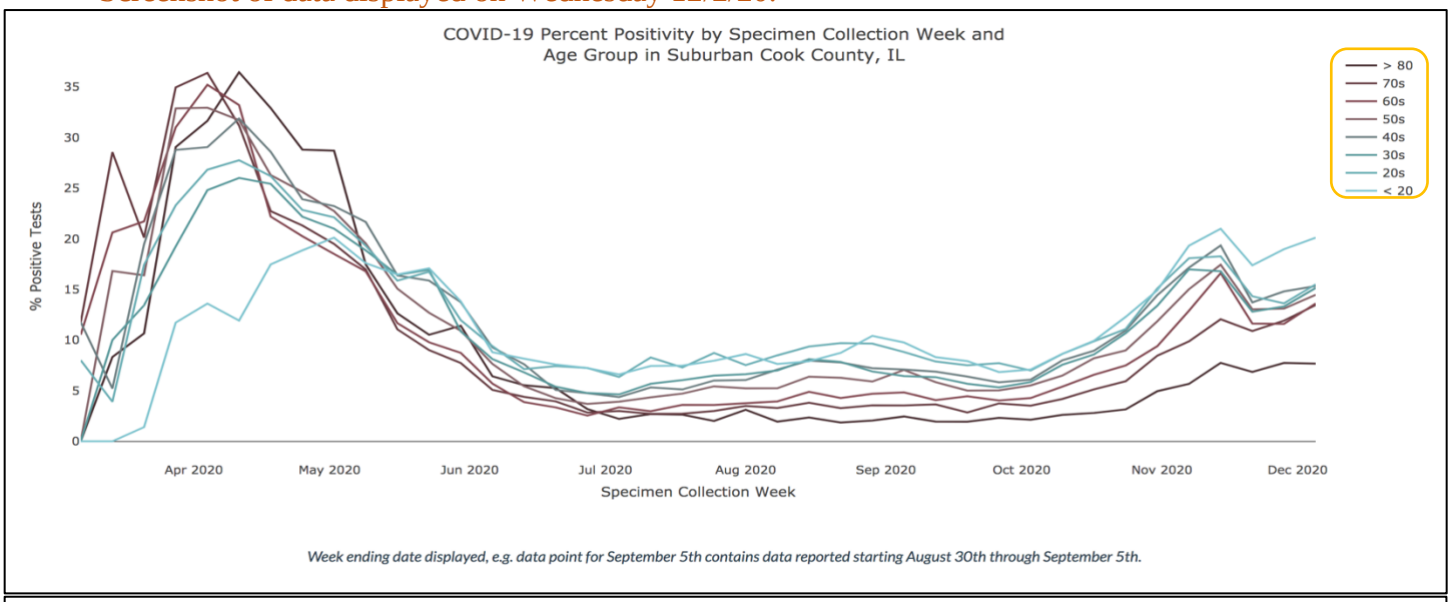


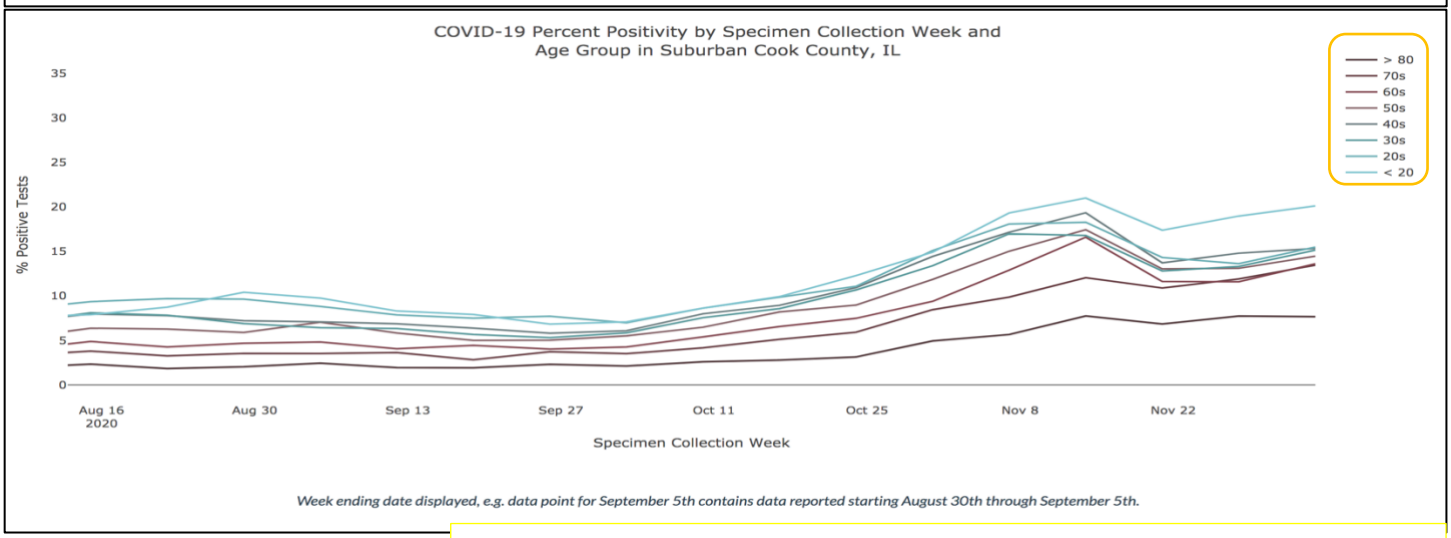


Note: These graphs display the same data as the graph above, but focus in on the time period from August – October and specific age cohorts.

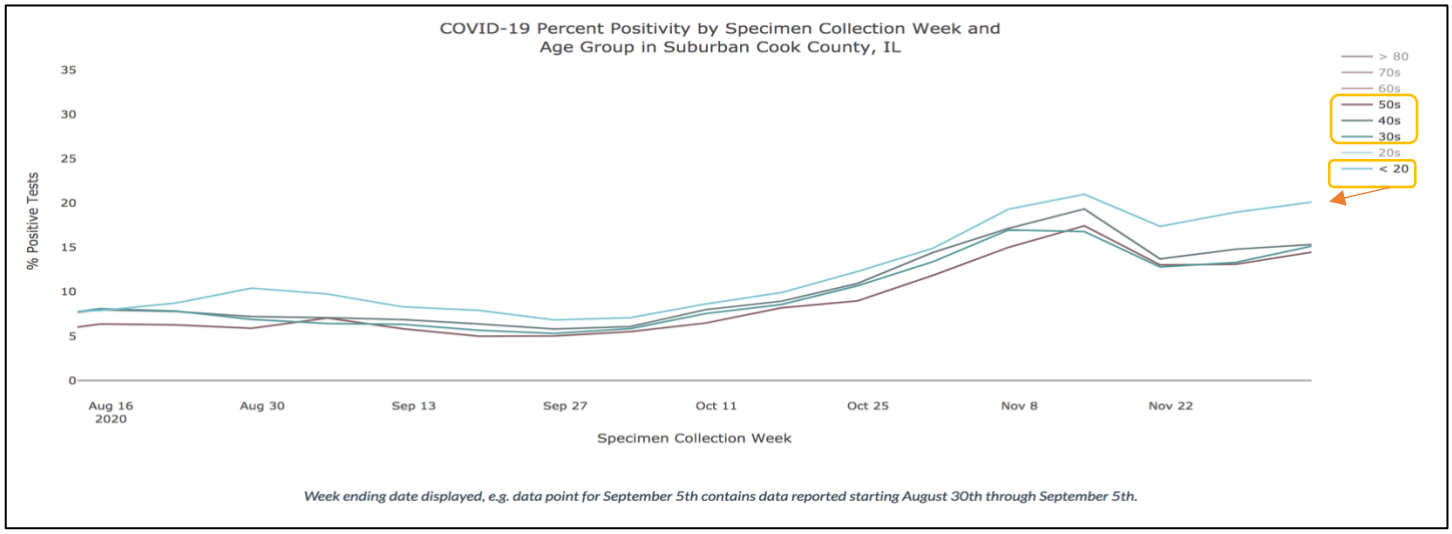


Screenshot of data displayed on Wednesday 12/2/20.





Note: Again, these graphs focus on the time period from August-October and specific age cohorts.



Screenshot of data displayed on Wednesday 12/2/20.

Display Data by Public Health District

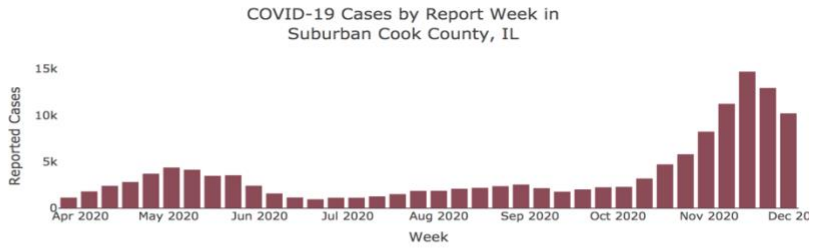
Overall

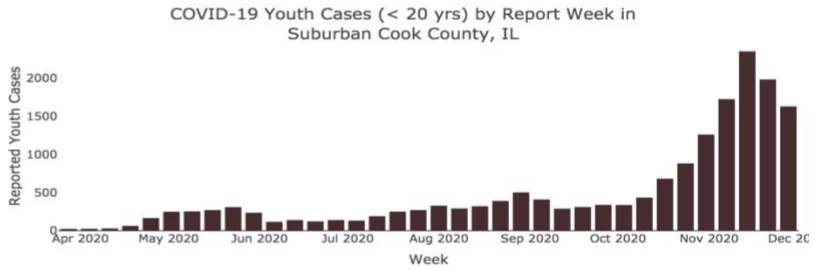
449
Weekly Case Rate per 100,000

13.3%
Test Positivity Last Week

Warning (Orange)
Current IDPH Risk Level for Suburban Cook

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





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 3.26% of confirmed COVID-19 cases and 8.01% of tests performed.
Cook County Department of Public Health District Map can be found here.

Display Data by Public Health District

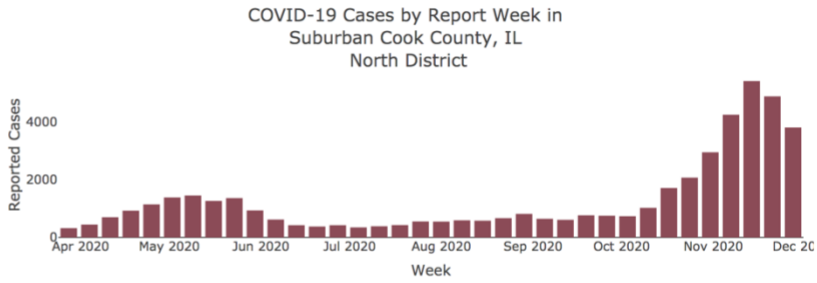
North

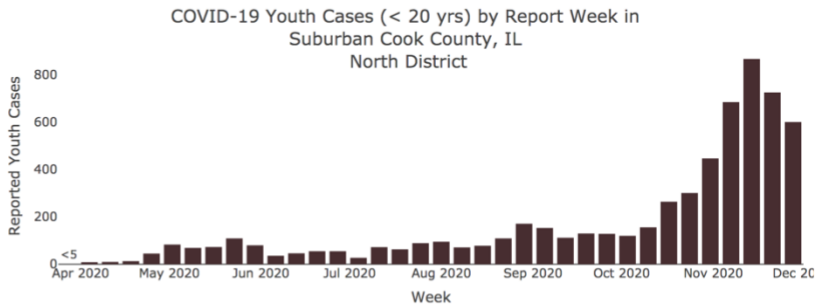
411
Weekly Case Rate per 100,000

11.6%
Test Positivity Last Week

Warning (Orange)
Current IDPH Risk Level for Suburban Cook

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





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District data is missing for 3.26% of confirmed COVID-19 cases and 8.01% of tests performed.
Cook County Department of Public Health District Map can be found here.

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

    Screenshot of data displayed on Wednesday 12/2/20.

    1. Wilmette (60091)

Note: Graphs of new cases per 100k and COVID Positivity Rates are now displayed together for each area.

Data for 12/2/2020 (7-Day)

Rolling Average Number Tested per Day	150.1
Rolling Average Number of Positive COVID Tests per Day	12.0
Rolling Average COVID Positivity Rate	7.99 %
Number of new cases (7-day) per 100,000 population	303.4

Data for 12/2/2020 (14-Day)

Rolling Average COVID Positivity Rate	7.39 %
Number of new cases (14-day) per 100,000 population*	585.1

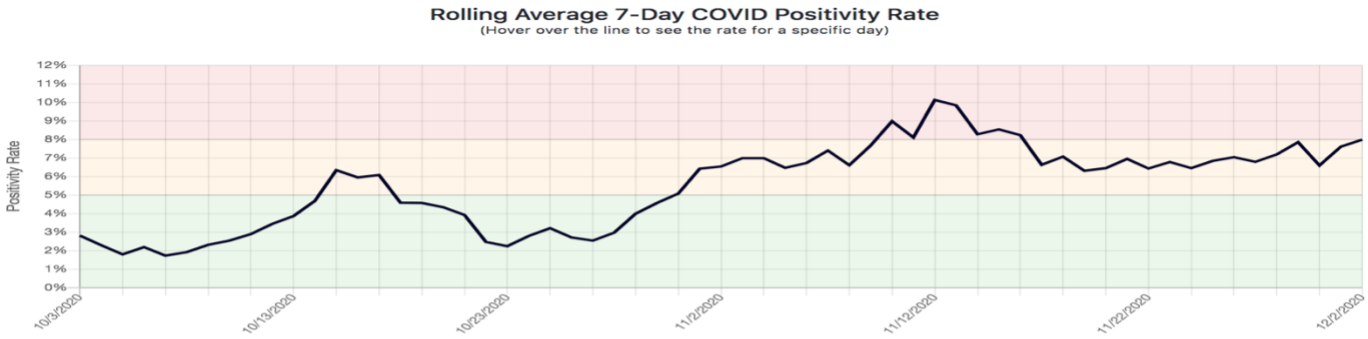
*10/08/2020: Number of new cases per 100,000 persons within the last 14 days is calculated by adding the number of new cases in the zip code in the last 14 days divided by the population in the zip code and multiplying by 100,000. (Aligned with CDC threshold guidelines)

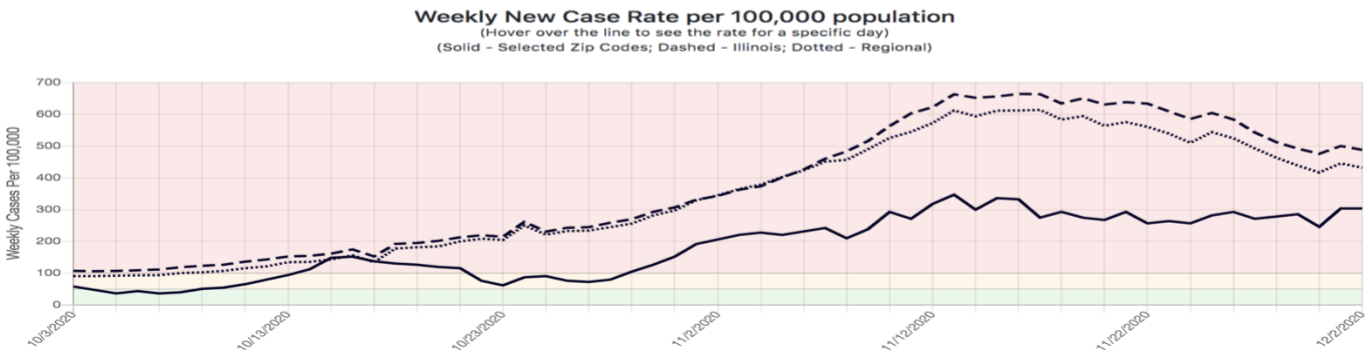
11/06/2020: Beginning 11/6 IDPH began including "probable cases" in their totals. Thus we cannot separate actual cases from probable cases at the zip code level. Given that IDPH added multiple weeks of probable cases into the data for November 6, 2020, that particular day would appear to be a sudden spike. Thus we have excluded data from that date and resumed showing data as of November 7, 2020 (that includes actual and probable cases).

Over the Last Week:

	11/25/2020	11/26/2020	11/27/2020	11/28/2020	11/29/2020	11/30/2020	12/1/2020
Tests per Day*	162.9	164.4	157.9	153.0	143.9	147.3	157.7
Cases per Day*	11.1	11.6	10.7	11.0	11.3	9.7	12.0
Positivity Rate*	6.84 %	7.04 %	6.79 %	7.19 %	7.85 %	6.60 %	7.61 %
Number of new cases (7-day) per 100,000 population	281.7	292.6	270.9	278.1	285.3	245.6	303.4

* Calculated as 7-day rolling averages





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

Data for 12/2/2020 (7-Day)

Rolling Average Number Tested per Day	337.3
Rolling Average Number of Positive COVID Tests per Day	30.4
Rolling Average COVID Positivity Rate	9.02 %
Number of new cases (7-day) per 100,000 population	362.0

Data for 12/2/2020 (14-Day)

Rolling Average COVID Positivity Rate	8.10 %
Number of new cases (14-day) per 100,000 population*	693.4

*10/08/2020: Number of new cases per 100,000 persons within the last 14 days is calculated by adding the number of new cases in the zip code in the last 14 days divided by the population in the zip code and multiplying by 100,000. (Aligned with CDC threshold guidelines)

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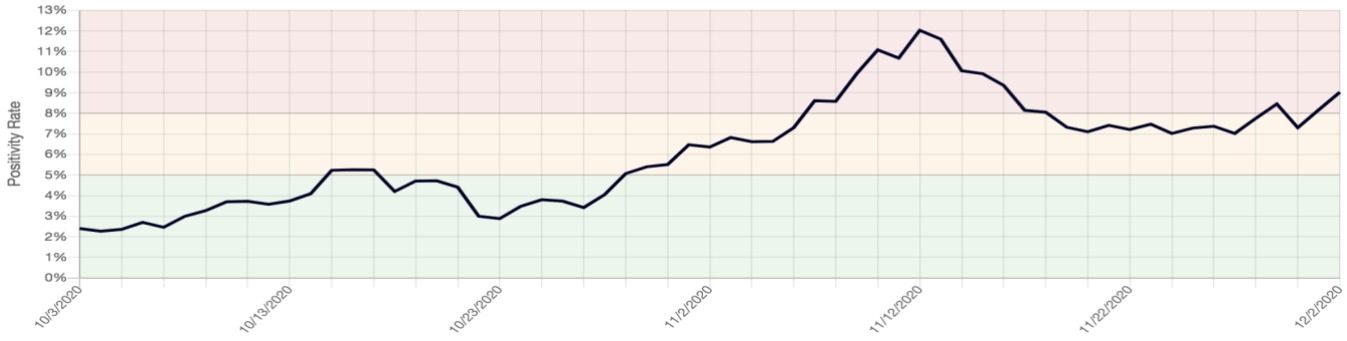
Over the Last Week:

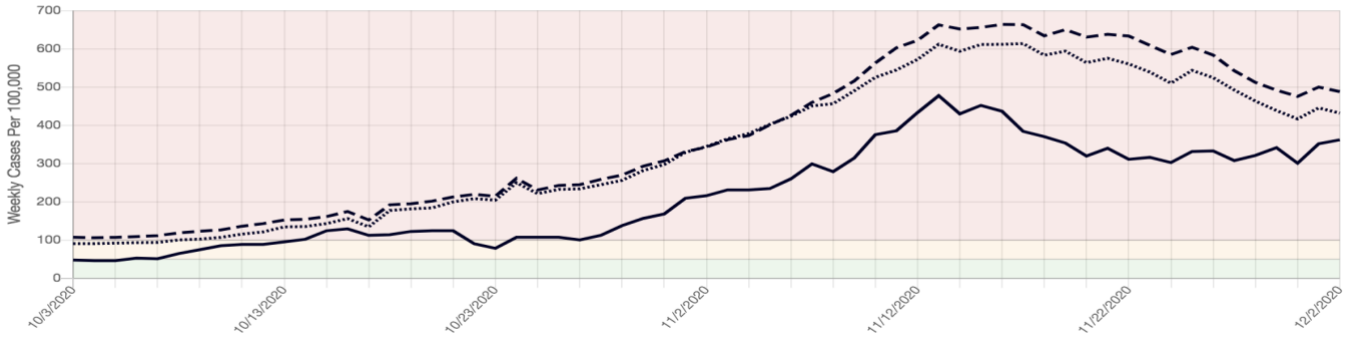
	11/25/2020	11/26/2020	11/27/2020	11/28/2020	11/29/2020	11/30/2020	12/1/2020
Tests per Day*	382.4	379.9	368.4	348.3	339.7	346.6	362.0
Cases per Day*	27.9	28.0	25.9	27.0	28.7	25.3	29.6
Positivity Rate*	7.28 %	7.37 %	7.02 %	7.75 %	8.45 %	7.30 %	8.17 %
Number of new cases (7-day) per 100,000 population	331.4	333.1	307.6	321.2	341.6	300.8	351.8

* Calculated as 7-day rolling averages

Rolling Average 7-Day COVID Positivity Rate
(Hover over the line to see the rate for a specific day)



Weekly New Case Rate per 100,000 population
(Hover over the line to see the rate for a specific day)
(Solid - Selected Zip Codes; Dashed - Illinois; Dotted - Regional)



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)

Data for 12/2/2020 (7-Day)

Rolling Average Number Tested per Day	15358.7
Rolling Average Number of Positive COVID Tests per Day	1366.7
Rolling Average COVID Positivity Rate	8.90 %
Number of new cases (7-day) per 100,000 population	411.4

Data for 12/2/2020 (14-Day)

Rolling Average COVID Positivity Rate	8.97 %
Number of new cases (14-day) per 100,000 population*	914.6

*10/08/2020: Number of new cases per 100,000 persons within the last 14 days is calculated by adding the number of new cases in the zip code in the last 14 days divided by the population in the zip code and multiplying by 100,000. (Aligned with CDC threshold guidelines)

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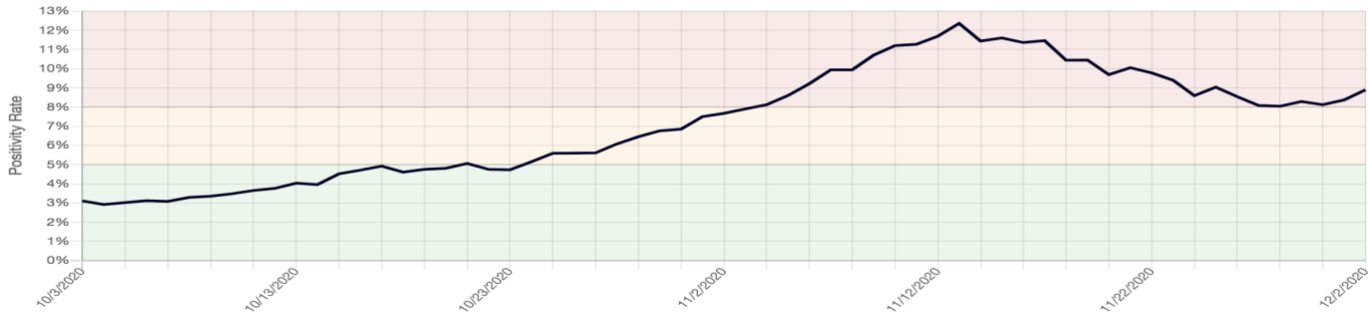
Over the Last Week:

	11/25/2020	11/26/2020	11/27/2020	11/28/2020	11/29/2020	11/30/2020	12/1/2020
Tests per Day*	18500.0	18661.3	18264.1	17414.0	16787.7	15948.7	16596.1
Cases per Day*	1672.0	1593.6	1475.7	1400.4	1392.1	1295.6	1388.4
Positivity Rate*	9.04 %	8.54 %	8.08 %	8.04 %	8.29 %	8.12 %	8.37 %
Number of new cases (7-day) per 100,000 population	503.2	479.6	444.2	421.5	419.0	389.9	417.9

* Calculated as 7-day rolling averages

Rolling Average 7-Day COVID Positivity Rate
(Hover over the line to see the rate for a specific day)



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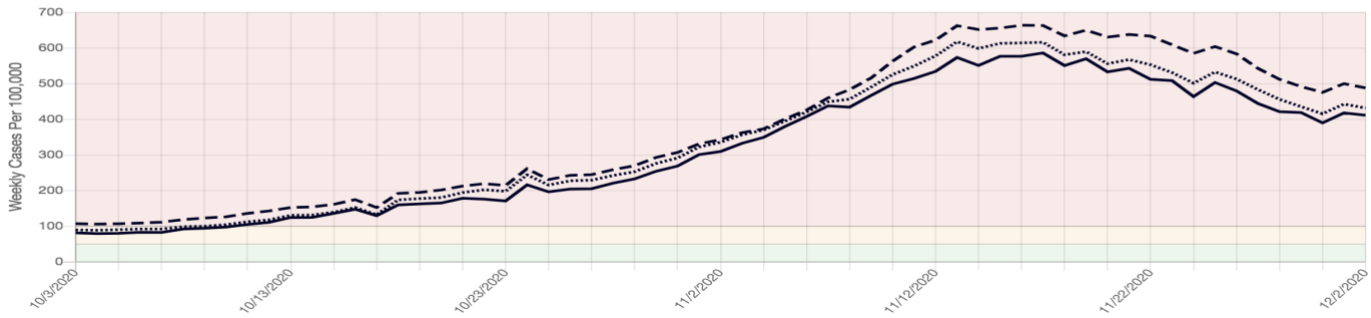
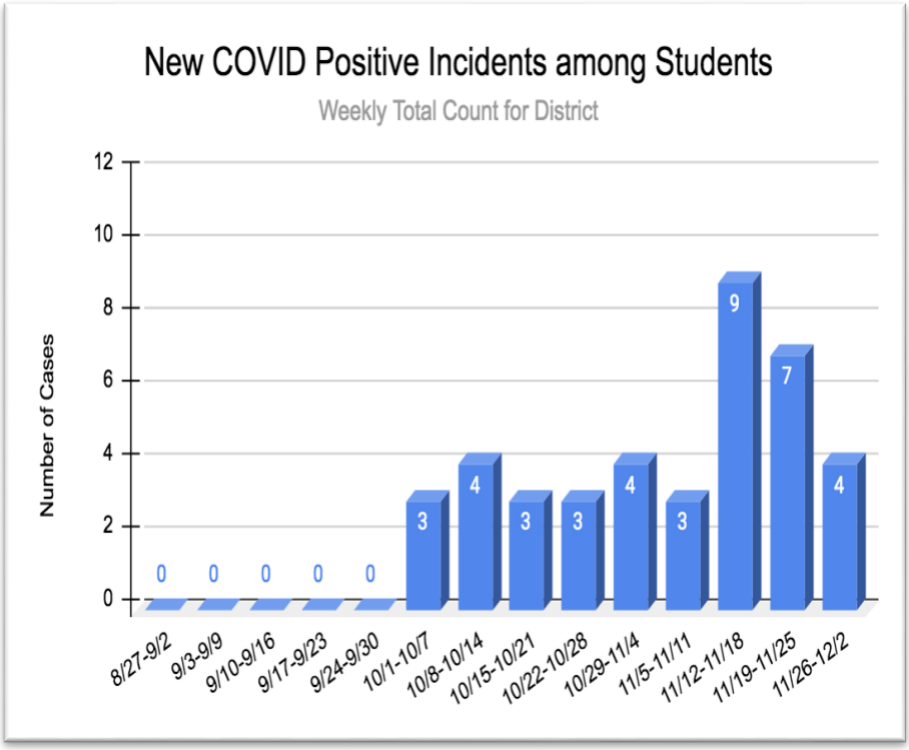
(Hover over the line to see the rate for a specific day)
(Solid - Selected Zip Codes; Dashed - Illinois; Dotted - Regional)



3. COVID-19 Positive Cases Reported in D39

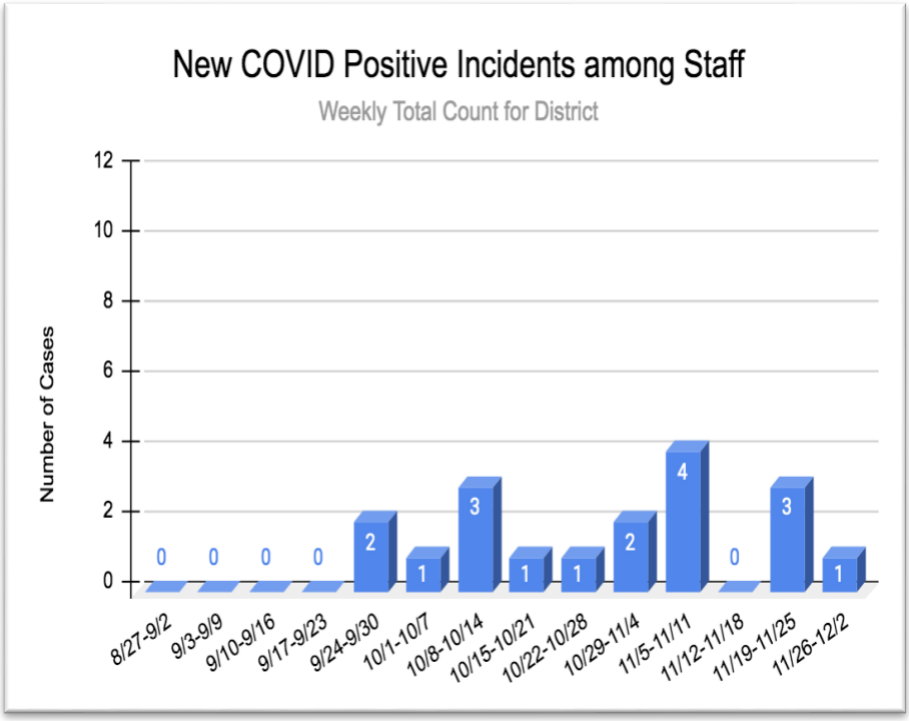
Data reported as of Wednesday at 4:00 pm. Notices for cases are provided under COVID-19 Communications on Metrics Dashboard page.

1. D39 Students (Tracked by School Nurses)



Targets for COVID-19 Cases			
	Substantial	Moderate	Minimal
Weekly Total by District	>12	12 to 6	0
Weekly Average by School	>3	2 to 1	0

2. D39 Staff (Tracked by Human Resources Department)

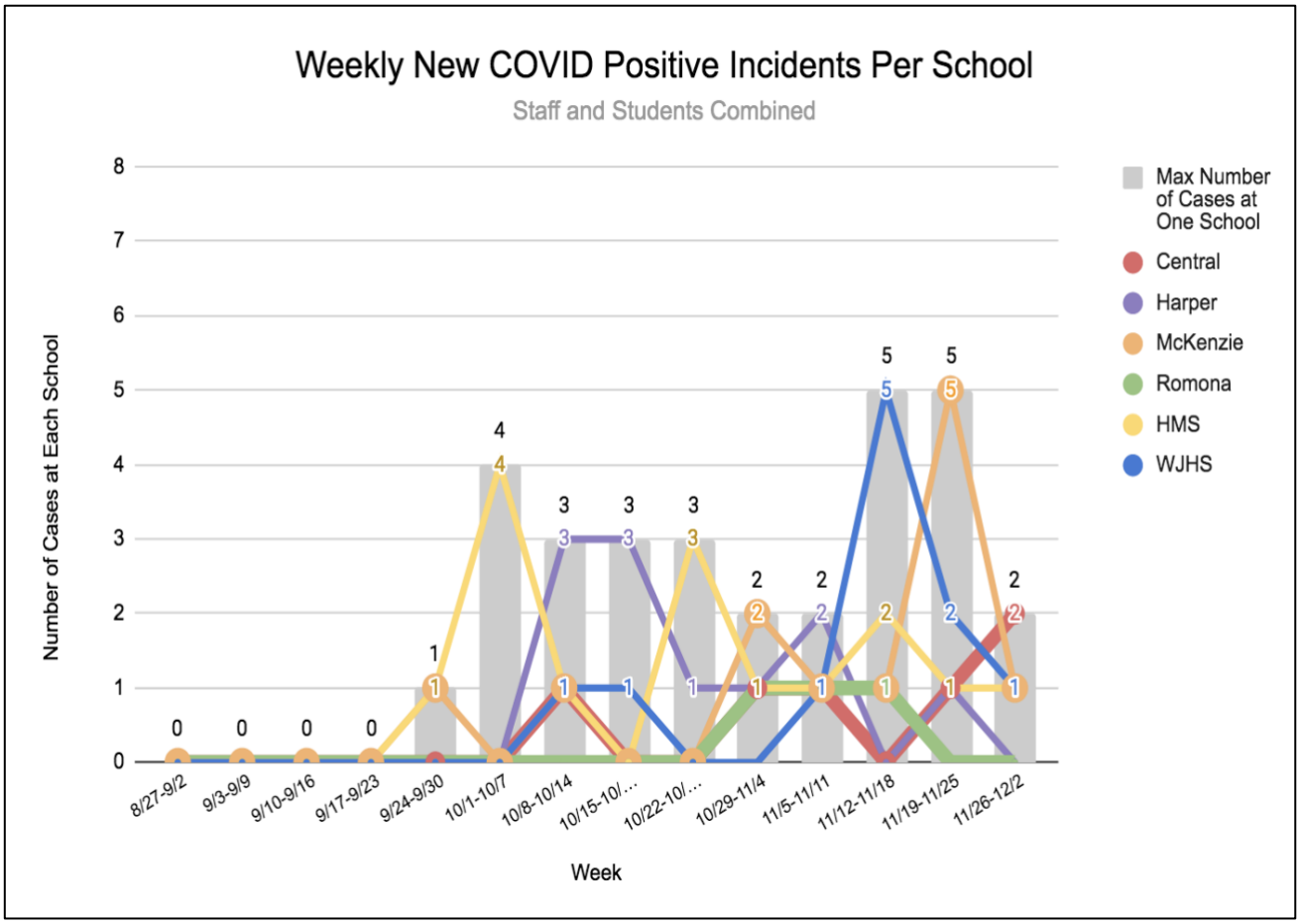


Targets for COVID-19 Cases			
	Substantial	Moderate	Minimal
Weekly Total by District	>12	12 to 6	0
Weekly Average by School	>3	2 to 1	0

3. Max Number of Cases at One School

The chart below reflects a compilation of the data reported on the previous page by school.

Data reported as of Wednesday at 4:00 pm. Notices for cases are provided under COVID-19 Communications on Metrics Dashboard page.

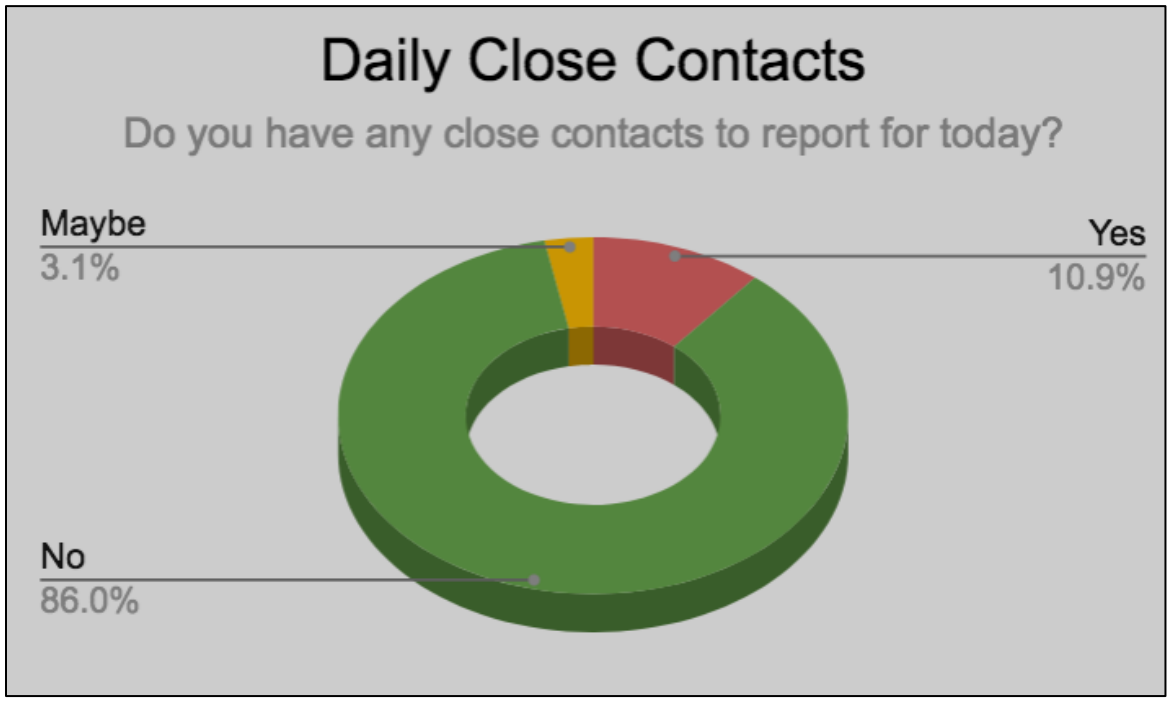


Note: The CCDPH defines an "school outbreak" as five cases that are connected within school. The five cases within one school this week were closely reviewed by the District and the CCDPH for within-school connection and sources of exposure. Findings: Within-school connections are not identified between these cases. Each of these cases are from different homeroom pods and different grades, with the exception of two cases identified within the same homeroom class.

Targets for COVID-19 Cases			
	Substantial	Moderate	Minimal
Weekly Total by District	>12	12 to 6	0
Weekly Average by School	>5	4 to 2	0

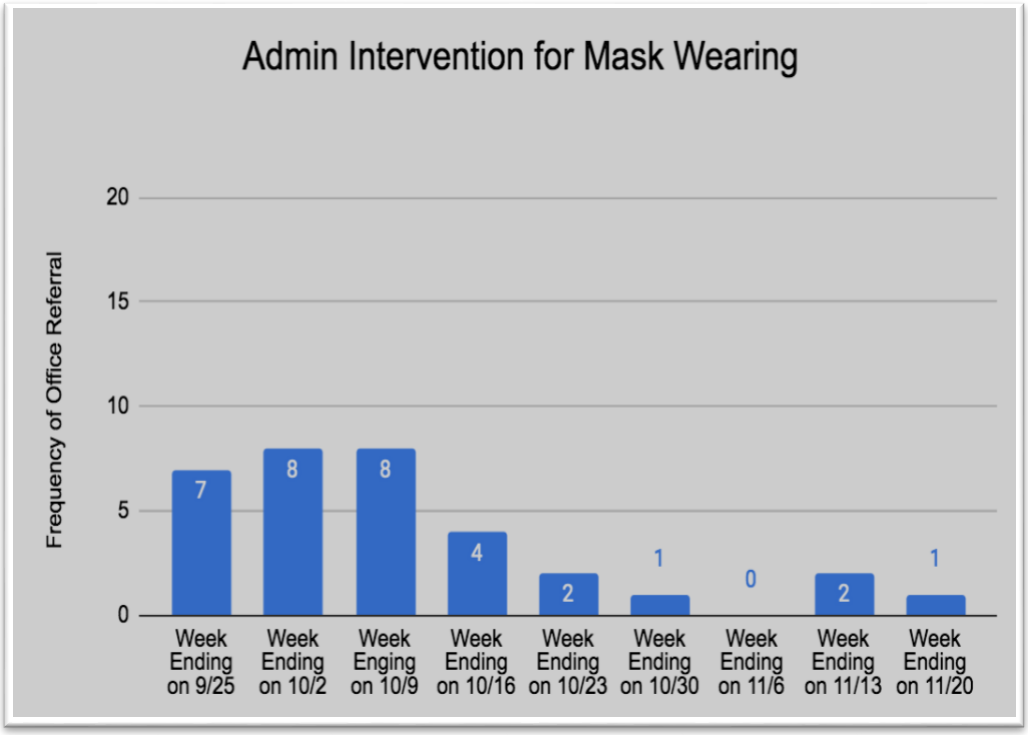
2. **Operational Metrics - Are there persistent challenges that cannot be resolved?**

    1. Social Distancing Compliance (Monitored through a daily close contact reporting form) Every staff member is asked to complete a baseline form and then to report any close contacts that occur on a daily basis. (1585 responses total.)



Note: New strategy for monitoring social distancing and contact tracing was initiated 10/5/20.

    2. Mask Wearing Compliance (# of administrative interventions)



Targets: Frequency of Reports of Persistent Challenges with Social Distancing/Mask Wearing			
	Substantial	Moderate	Minimal
Weekly Average by District	>24	<=24 to >6	<=12
Weekly Average by School	>4	<=4 to >1	<=2

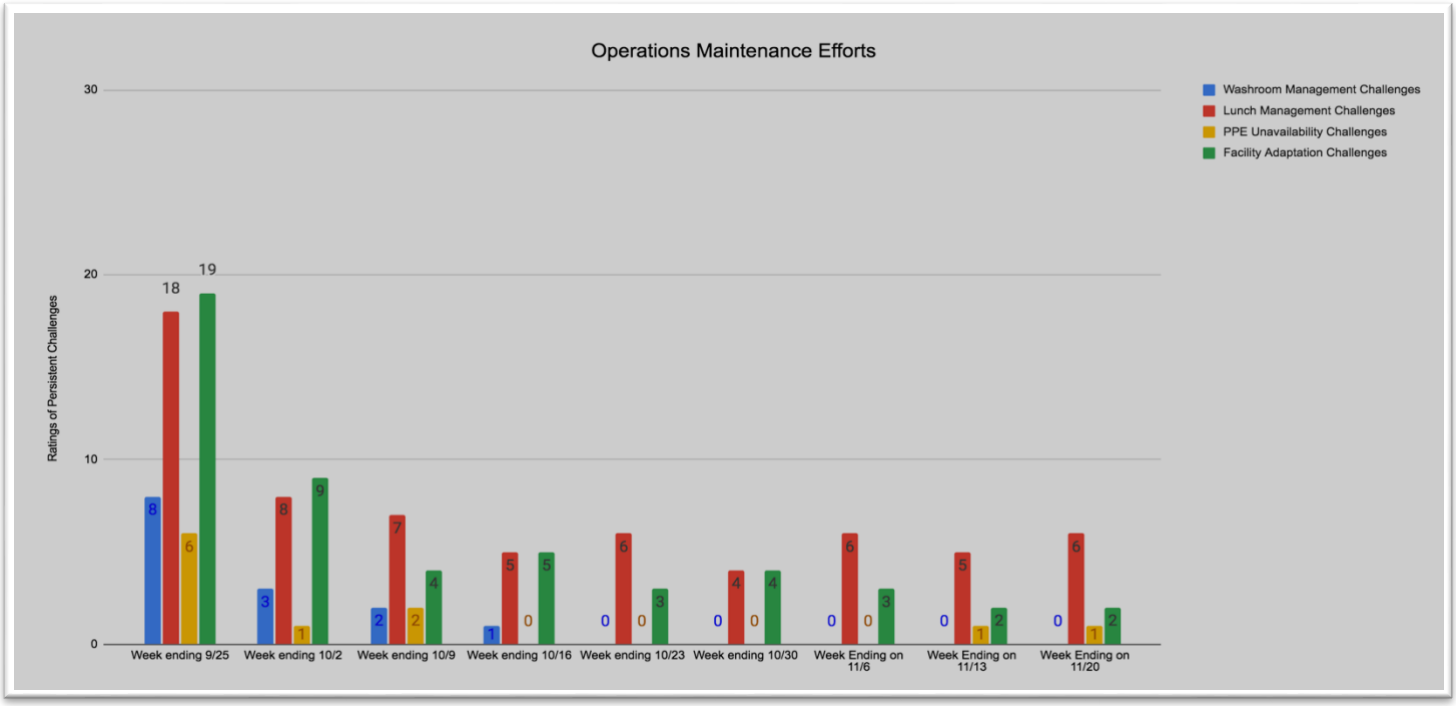
Note: The Operations Subcommittee has developed a new tool for monitoring operations. This new tool will replace the previous strategy for ongoing monitoring that was initiated the week of 9/25. Current data reflects number of referrals to administration for mask wearing.

5. **Operational Metrics, Supplies and Facilities - Are there persistent challenges that cannot be resolved?**

Within the maintenance phase of school operations, principals are asked to rate ongoing management efforts related to areas of operational management, supplies and facility needs within their building. Persistent challenges are situations that arise that require attention beyond simple reminders, redirection and the regular management responsibilities performed within your school. Scale: A 10 indicates that the challenges were persistent and required 10 or more hours of attention from the principal within the last week. A 1 indicates that the challenges were minimal and required 1 hour or less of attention last week.

1. Washroom Break Management
2. Lunch Safety Management
3. PPE Availability Needs/Persistent Challenges Guidance
4. Facility Adaptations to Accommodate Health Guidance

Note: The Operations Subcommittee has finalized a new tool for monitoring operations. This tool will be used at to reflect on the next in-person week.

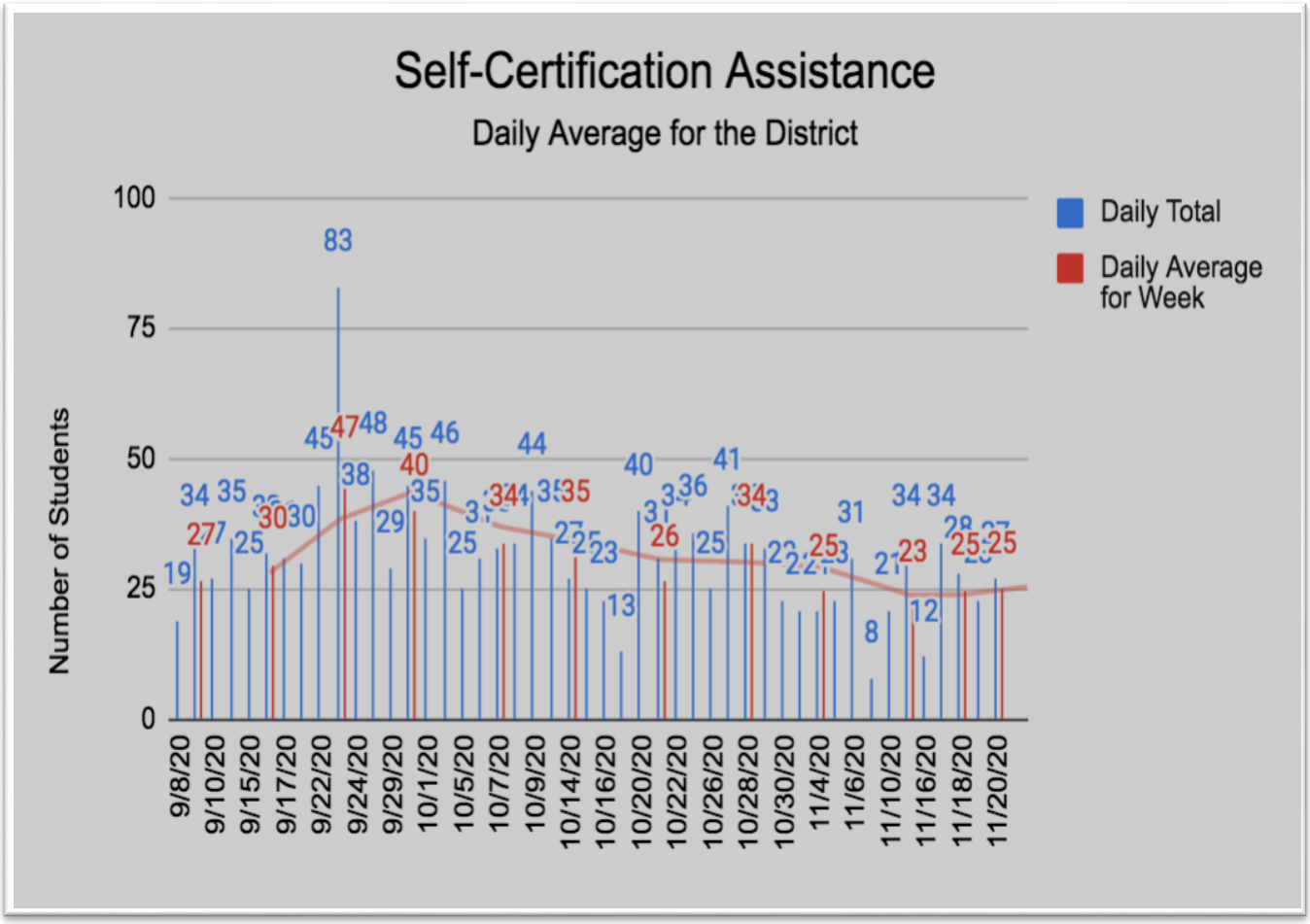


Scale:

- Each School is rated on a scale of 1 to 10.
- 0 indicates that the challenges were minimal and required approximately 1 hour or less of attention last week.
- 10 indicates that the challenges were persistent and required 10 or more hours of attention from the principal within the last week.
- The chart reflects the combined ratings.

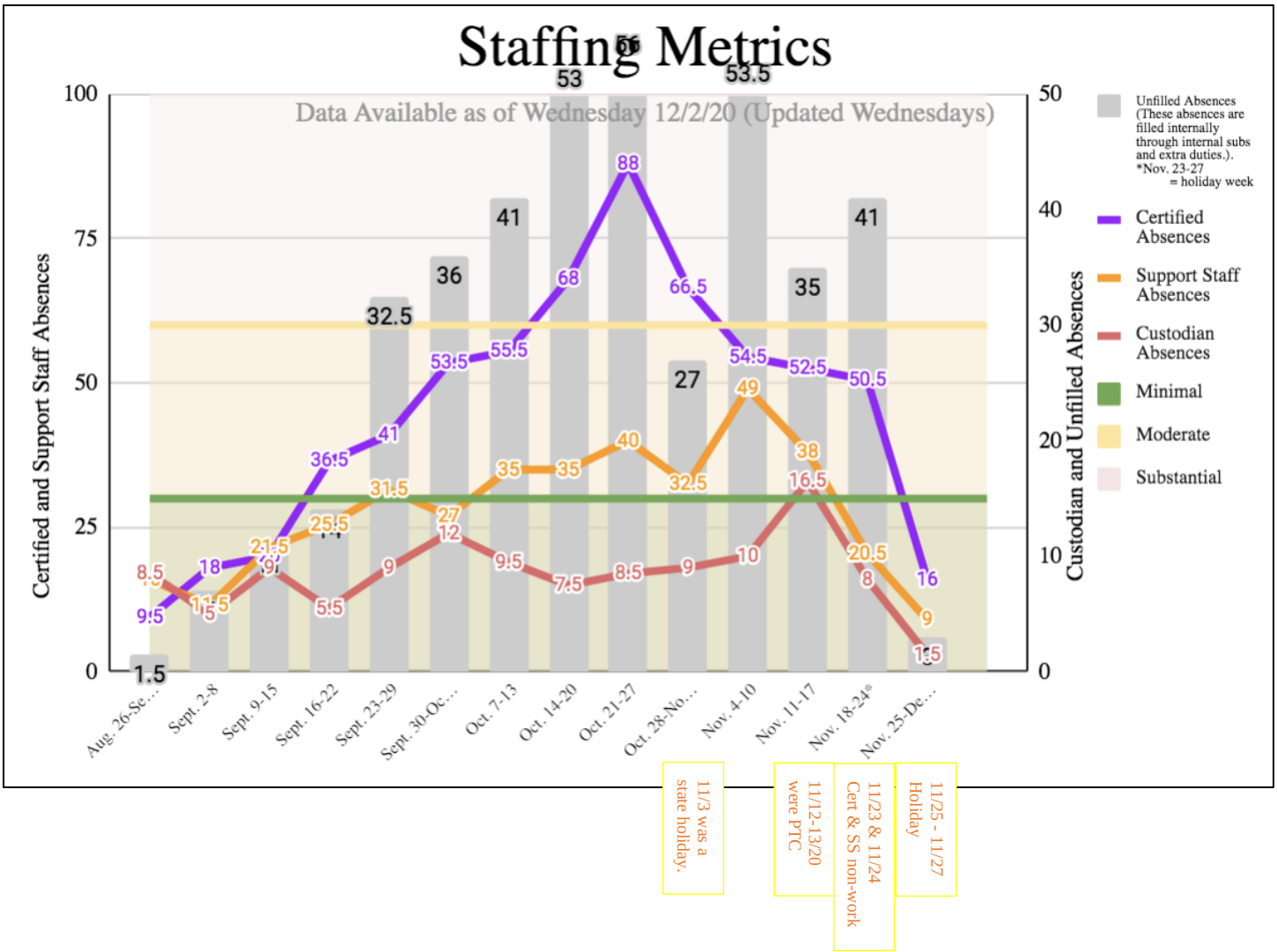
Targets: Rating of Persistent Challenges			
	Substantial	Moderate	Minimal
Weekly Average by District	>24	<=24 to >12	<=12
Weekly Average by School	>4	<=4 to >2	<=2

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

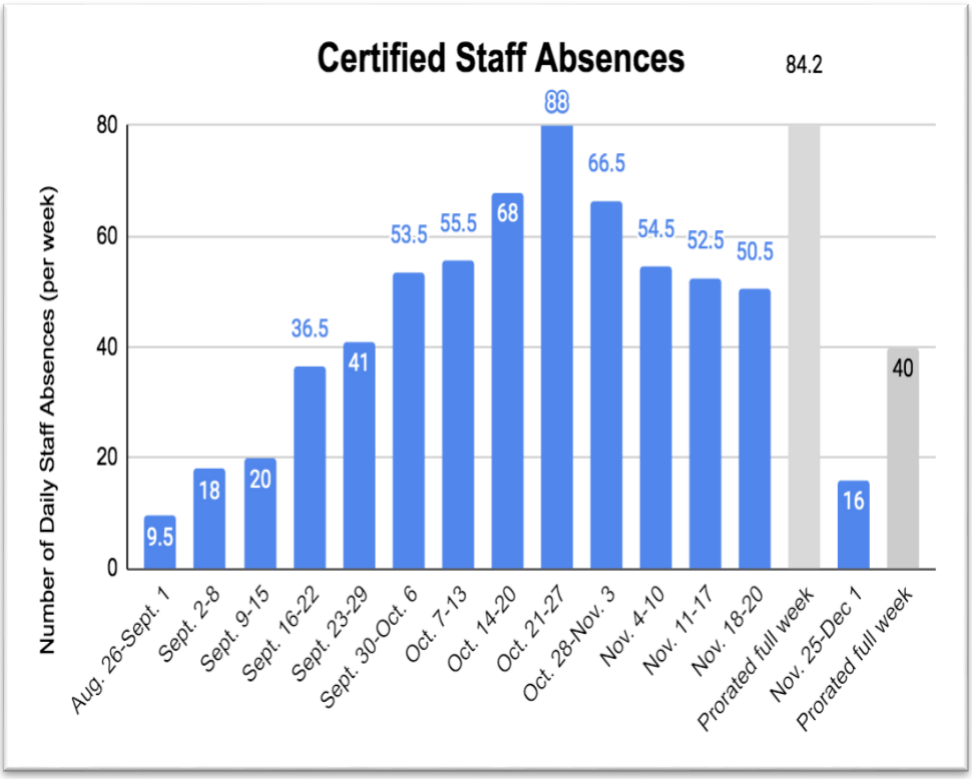


Targets for Frequency of Self-Certification Non-compliance			
	Substantial	Moderate	Minimal
Daily Average by District	>96	<=96 to >30	<=30
Daily Average by School	>16	<=16 to >5	<=5

2. **Staffing Levels -** (Tracked by Human Resources Department via Frontline)
   Data reported as of noon on Wednesday for each week.
   1. Certificated Staff Sick Day Absences (382 employees; 1,910 work days per week)
   2. Custodial Staff Sick Day Absences (34 employees; 170 work days per week)
   3. Support Staff Sick Day Absences (152 employees; 760 work days per week)
   4. Availability of Substitutes (As Measured by Unfilled Substitute Positions; Filled Internally)

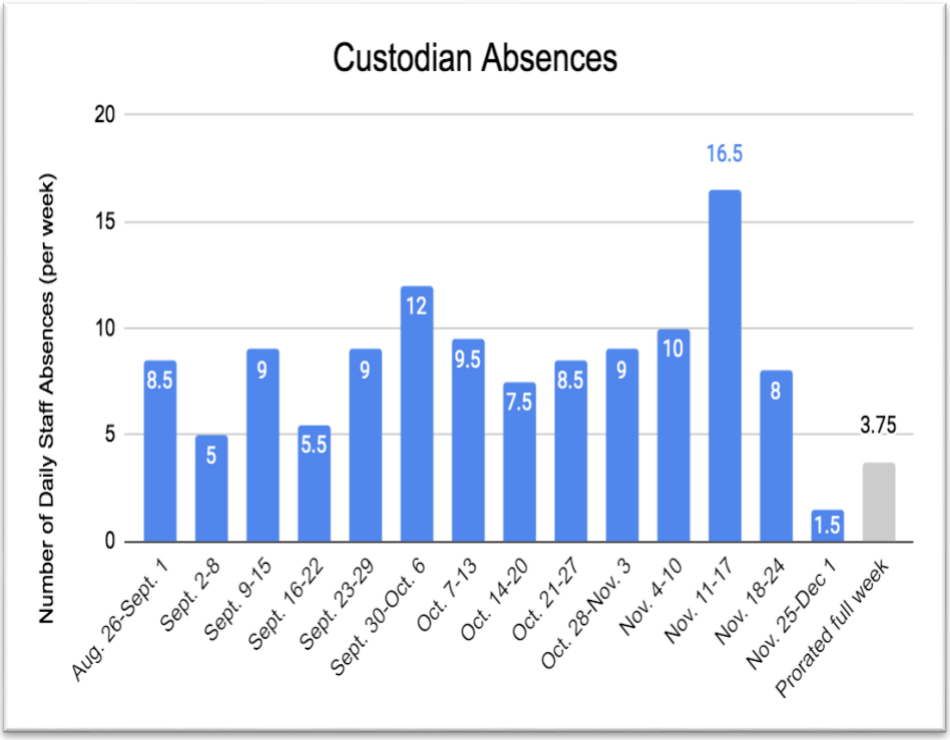


1. Certificated Staff Sick Day Absences (382 employees; 1,910 work days per week)



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			

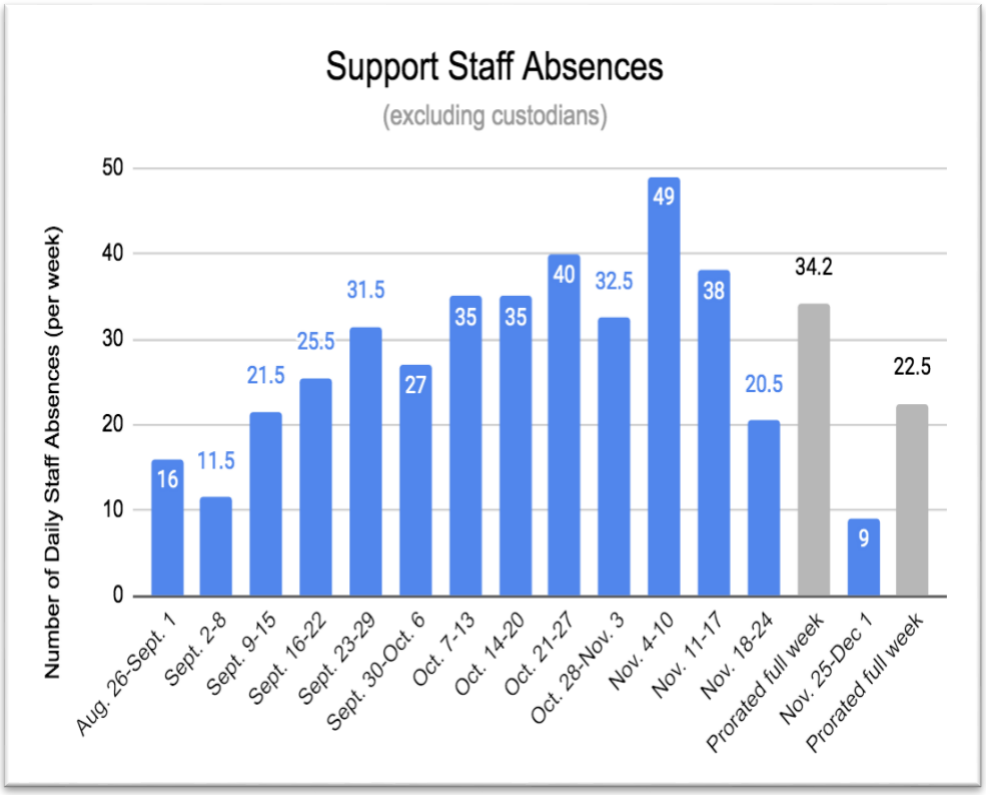
2. Custodial Staff Sick Day Absences (34 employees; 170 work days per week)



Targets for Custodian Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>30	<=30 to >15	<=15
Weekly Average by School	>5	<=5 to >2.5	<=2.5
Daily Average by School	>1	<=1 to >0.5	<=0.5
6.7 = Average Number of Custodian Staff Sick Day Absences per Week in 2019-20			

Note: The grey bar estimates absences based on those in the first half of the week. Most staff worked 2 of 5 days within the week of Nov. 25-Dec. 1 due to holiday.

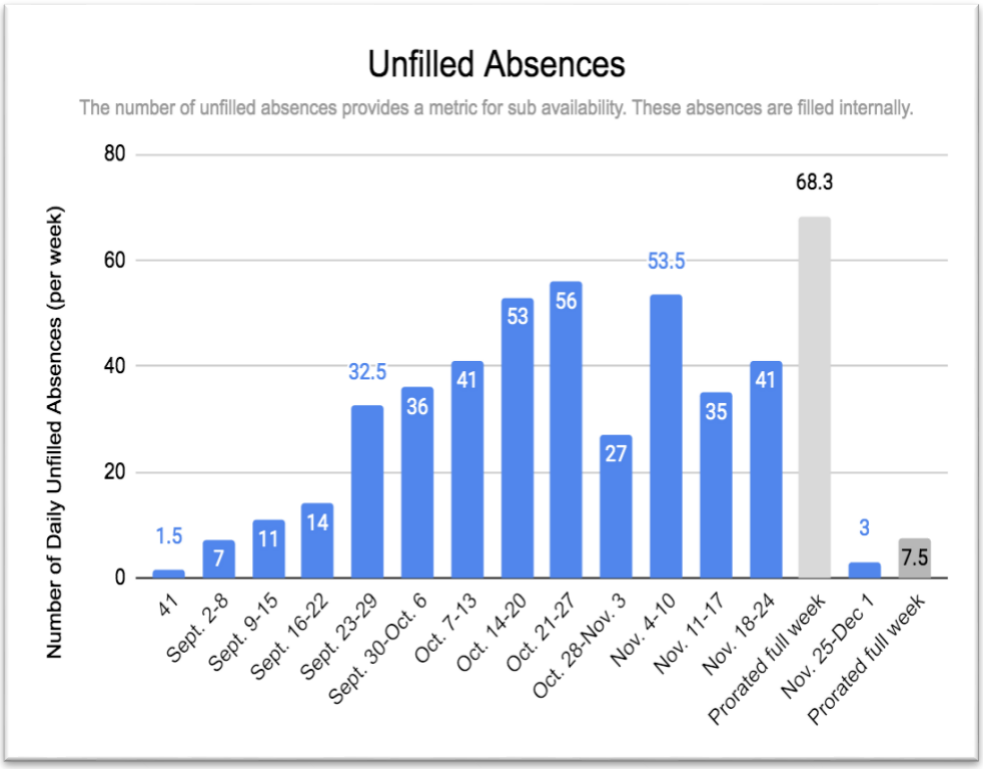
3. Support Staff Absences (152 employees; 760 work days per week)



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 (As Measured by Unfilled Substitute Positions; Filled Internally)



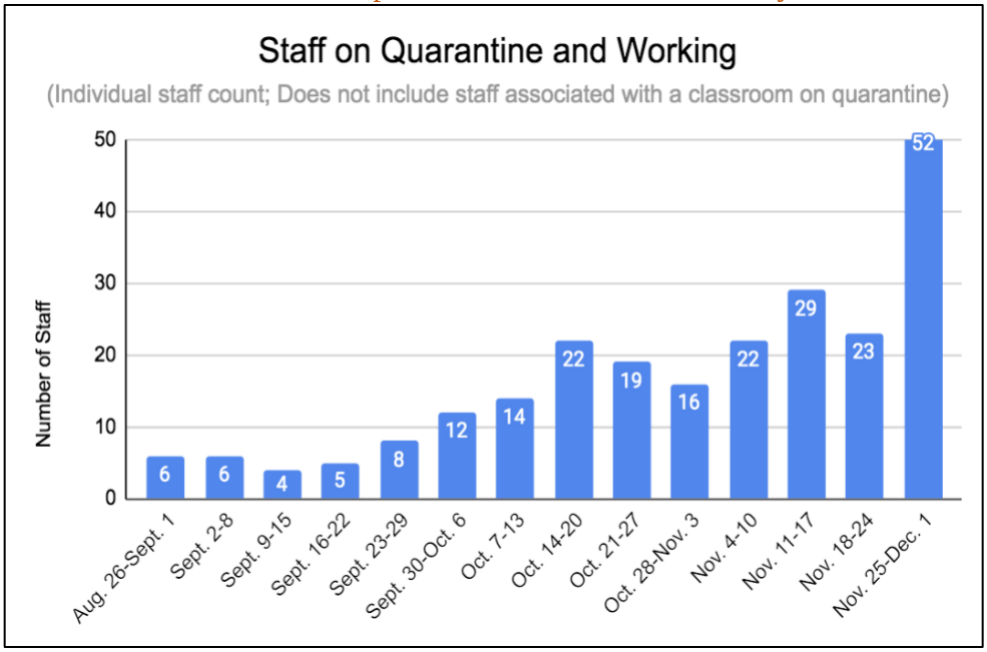
Targets for Unfilled Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>30	<=30 to >15	<=15
Weekly Average by School	>5	<=5 to >2.5	<=2.5

17.0 = Average Number of Unfilled Absences per Week in 2019-20

Note: The grey bar estimates absences based on those in the first half of the week. Most staff worked 2 of 5 days within the week of Nov. 25-Dec. 1 due to holiday.

1. Staff Quarantine Rates (COVID Days)
    1. Staff Working While on Quarantine

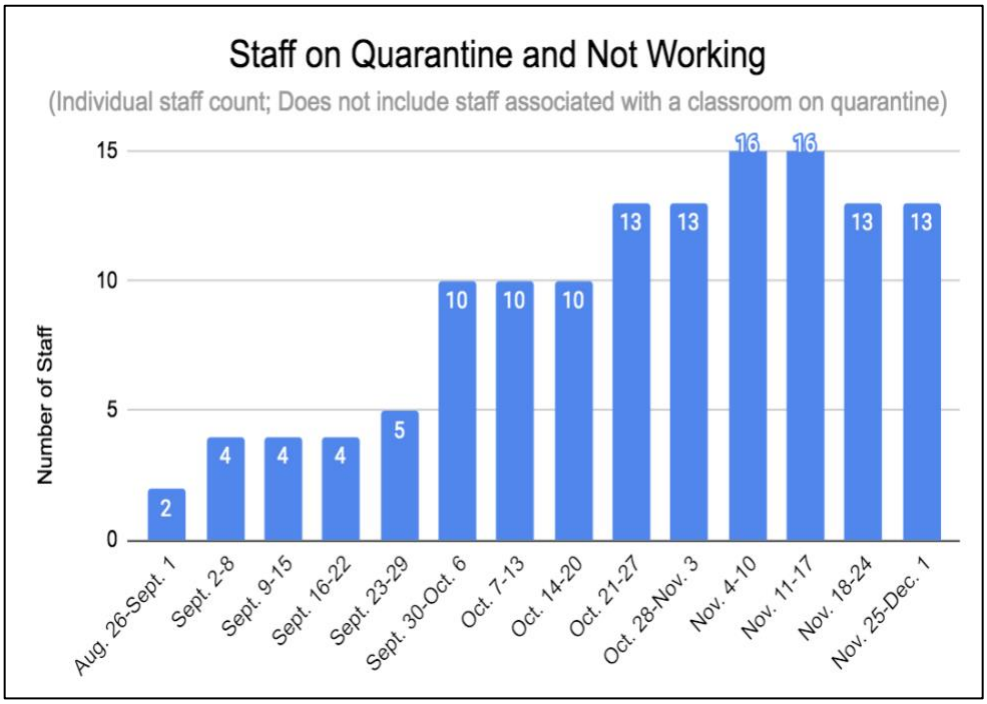
Data reported as of noon on Wednesday for each week.



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

Note: The team may want to consider adjusting the thresholds in this category for "substantial." As we learn more about how to navigate and support working while on quarantine, these absences are less impactful.

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

Note: The grey bar estimates absences based on those in the first half of the week. Most staff worked 2 of 5 days within the week of Nov. 25-Dec. 1 due to holiday.

Note: For the week of December 14th, the following staff report a need for quarantine/leaves requiring an onsite substitute.

- Central School – 2 Staff
- Harper School – 1 Staff
- McKenzie School – 0 Staff
- Romona School – 1 Staff
- Highcrest Middle School – 8 Staff
- Wilmette Junior High School – 3 Staff

District Total – 15 Known Staff Needing Daily Sub Coverage

Note: The District employs approximately 600 staff on a daily basis.

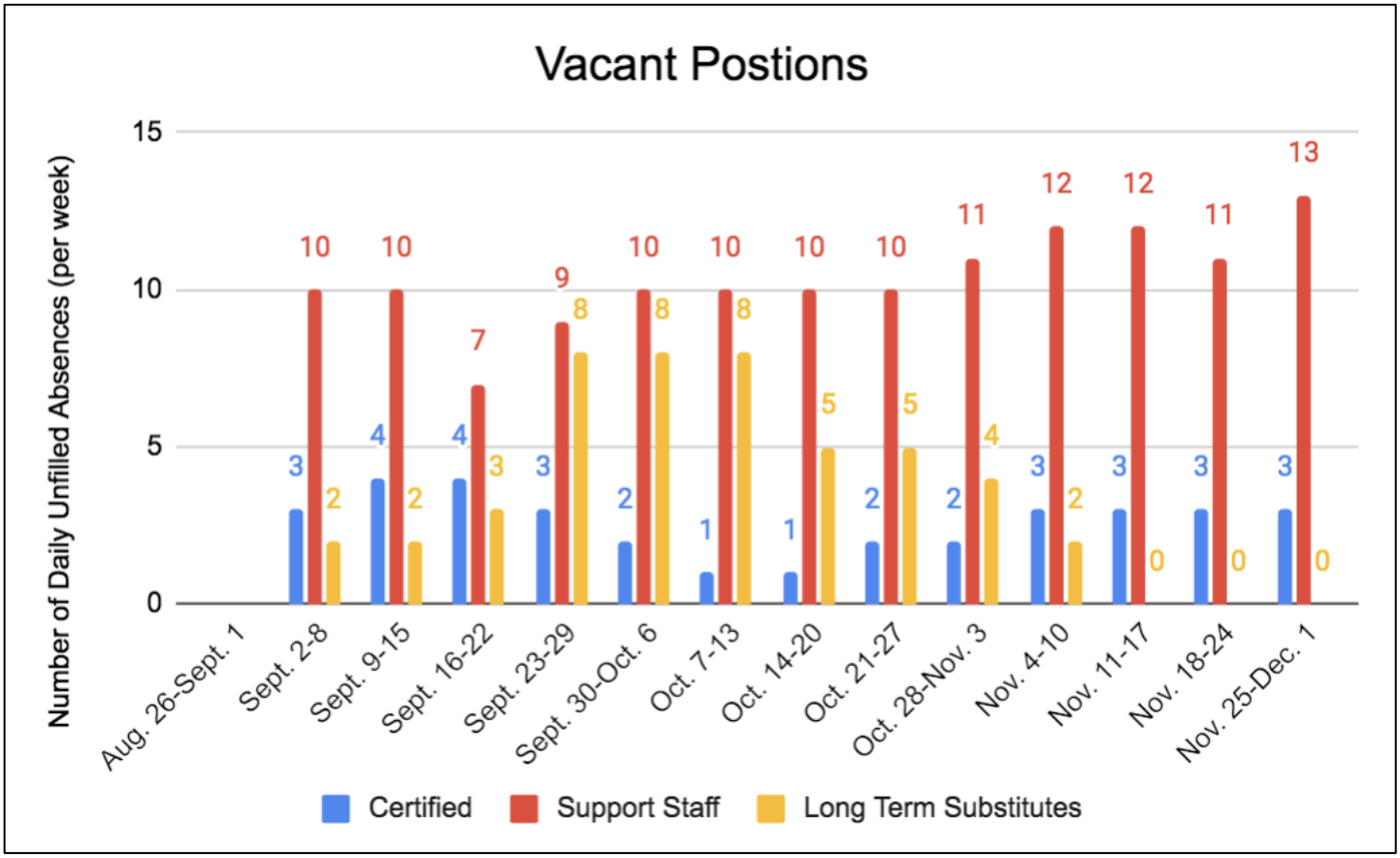
The average number of staff requiring substitute coverage due to quarantine

- October – 20 Substitutes per week
- November – 31 Substitutes per week

Based on prior month's experience, estimated additional substitutes that may be needed to cover absences, illness or exposure that are not yet known = 20-25

Extra substitutes scheduled to work week of 12/14 to help cover absences not yet known. = approximately 10 substitutes
Additional substitutes to cover absences not yet known = 10-15

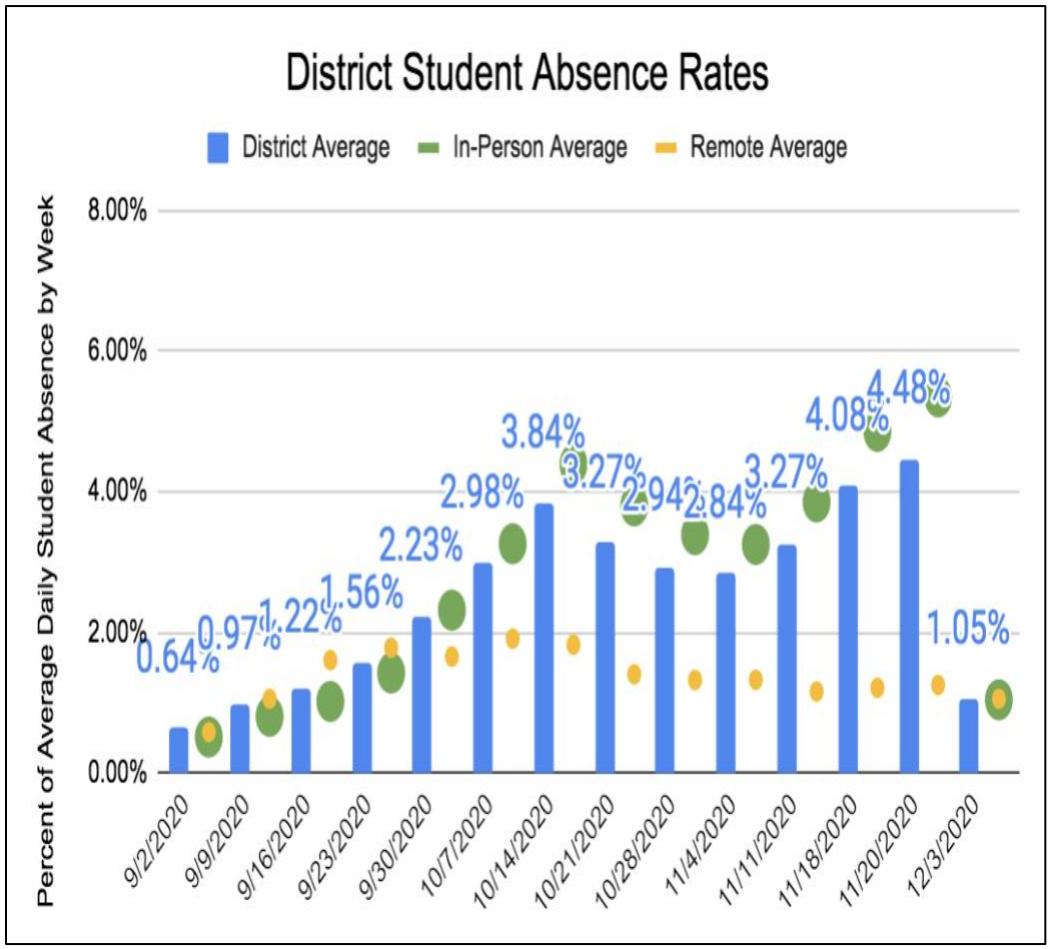
Data reported as of noon on Wednesday for each week.



5. **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
11/04/2020	11.5	2.67%	13	3.22%	23.5	5.6%	19	3.75%	20.5	2.52%	38	4.62%	125.5	3.69%
11/05/2020	13	3.03%	15	3.71%	21	5%	12	2.37%	13.5	1.66%	26.5	3.22%	101	2.97%
11/06/2020	11.5	2.68%	23	5.72%	20	4.76%	9	1.78%	24	2.94%	28.5	3.46%	116	3.42%
11/09/2020	11	2.56%	13	3.23%	26	6.21%	19.5	3.86%	17	2.09%	7	.85%	93.5	2.76%
11/10/2020	8.5	1.98%	12.5	3.11%	27.5	6.56%	22.5	4.46%	25	3.07%	28.5	3.47%	124.5	3.67%
11/11/2020	10	2.33%	19.5	4.85%	25	5.97%	15	2.97%	18.5	2.27%	31	3.77%	119	3.51%
11/16/2020	20	4.66%	28.5	7.09%	19.5	4.65%	23	4.58%	12.5	1.54%	3	.37%	106.5	3.14%
11/17/2020	14.5	3.38%	23	5.72%	23.5	5.61%	31	6.18%	32.5	4%	32.5	3.96%	157	4.64%
11/18/2020	20	4.66%	20.5	5.1%	18.5	4.42%	26.5	5.28%	24	2.95%	42	5.12%	151.5	4.47%
11/19/2020	24.5	5.71%	17.5	4.35%	23	5.49%	23	4.58%	39	4.8%	49.5	6.03%	176.5	5.21%
11/20/2020	25	5.83%	23.5	5.85%	25	5.97%	16.5	3.29%	31.5	3.87%	45	5.48%	166.5	4.92%
12/01/2020	2	.47%	3.5	.87%	7	1.67%	8	1.6%	6.5	.8%	14	1.71%	41	1.21%
12/02/2020	2.5	.58%	4.5	1.12%	5	1.2%	5.5	1.1%	5.5	.68%	7	.85%	30	.89%
12/03/2020	6.5	1.52%	5.5	1.37%	4.5	1.08%	4.5	.9%	5.5	.68%	9	1.1%	35.5	1.05%



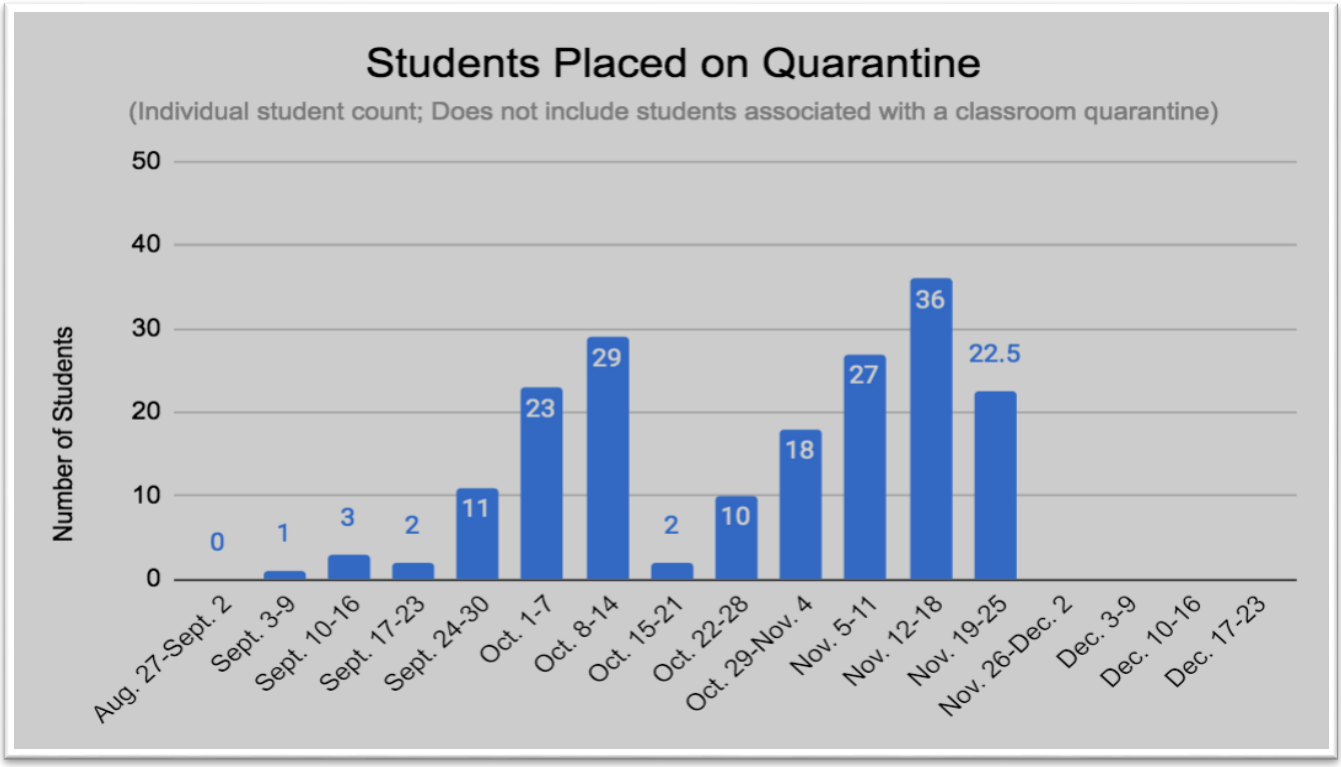
Targets for Student Absences			
	Substantial	Moderate	Minimal
Weekly Average by District	>7%	<=6% to >4%	<=4%

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

12/3/20 data reflects fully remote attendance for the week following Thanksgiving.

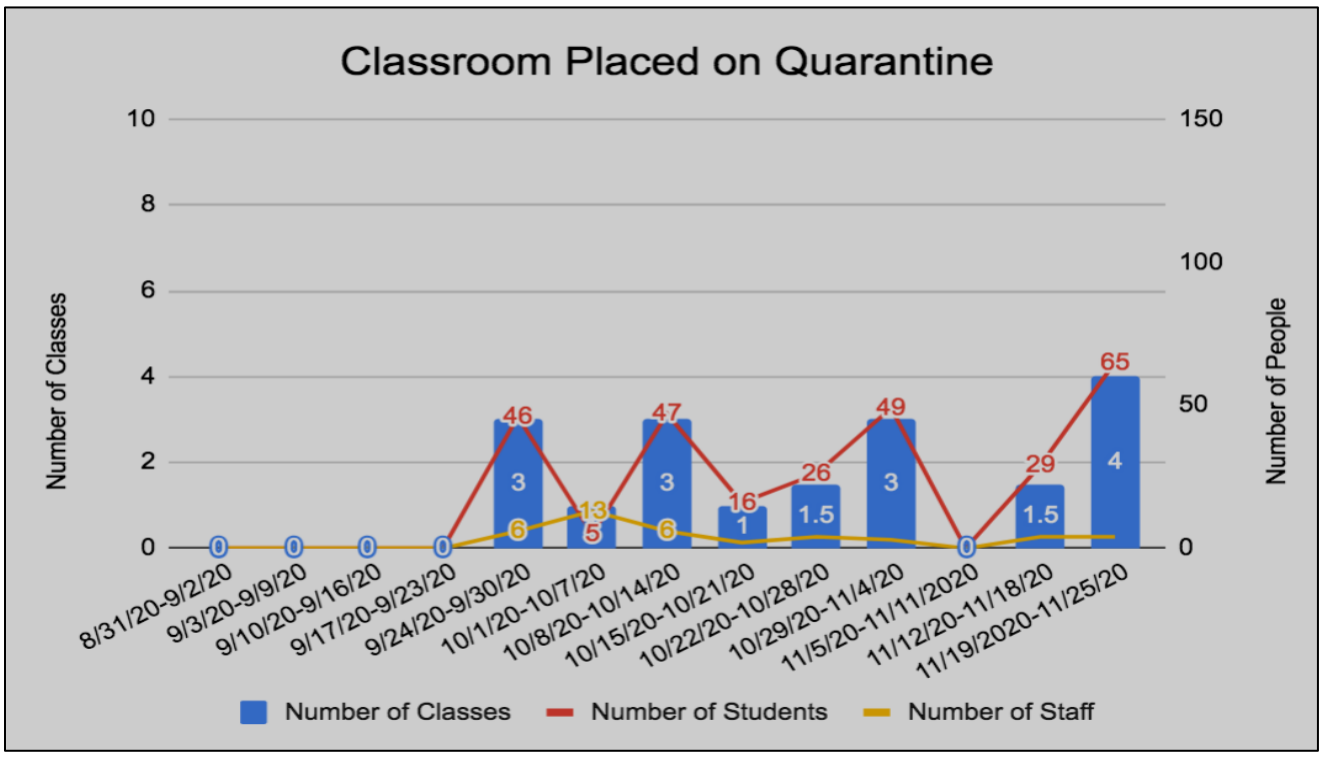
2. Student Quarantine Rates

Data reported as of noon on Wednesday for each week. These data reflect the number of students placed onto quarantine due to exposure outside of school and/or positive diagnosis.



3. Class Quarantine Rates

Data reported as of noon on Wednesday for each week. These data reflect the number of classrooms placed onto quarantine, as well as the number of students and staff associated placed onto quarantine as part of the classroom quarantine. A typical quarantine lasts 14 days.



6. **Effective Instruction**

    1. Engagement Levels in Remote Learning

        A Targeted Review of the D39 Enhanced Fully Remote Learning Program was conducted. A Report of Findings was presented at the October Board of Education Meeting (Agenda & Video). Follow-up action steps and improvement efforts were discussed and initiated, and will be presented at the October Board Committee of the Whole Meeting.

        A Targeted Review of the D39 In-Person Learning Program was conducted. A Report of Findings was presented at the November Board of Education Meeting (Agenda & Video). Follow-up action steps and improvement efforts will be discussed and initiated, and will be presented at the December Board Committee of the Whole Meeting.

    2. Learning Progress of Students

        The district administered the NWEA MAP assessment to students in grades 2-8 to evaluate academic achievement and growth. The 2020 Fall Assessment Report was presented at the November Board of Education Meeting (Agenda & Video).

7. **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.

    Note: A subcommittee of the Metrics Team is evaluating options for COVID-19 testing access and programming. The Board of Education approved on November 16, 2020 a contract with Ambry to expand access to PCR testing for students and household members of staff. The Board will consider a contract for a more regular screening/surveillance program at its Committee of the Whole Meeting on December 7. This program will be piloted for the week of December 14th and, if approved and successful, launched for access district-wide in January.

The following research articles are offered by team members

Summary:

- With the right safety protocols, schools are not a source of transmission (Germany even found that the opening of school reduced transmission)
- Younger kids get sick less and are less transmissive
- Increased community prevalence will put more pressure on schools because more students and staff will have the virus"

This presentation from WHO has a good synthesis of the research, as well as this article from Nature.

A few other recent studies:

- Kids, school, and COVID-19: What we know — and what we don't
  - One of the largest studies, led by Brown University economist Emily Oster, PhD, analyzed in-school infection data from 47 states over the last two weeks of September. Among more than 200,000 students and 63,000 staff who had returned to school, Oster reported an infection rate of 0.13% among students and 0.24% among staff. The low infection rates support what other researchers have seen in smaller samples. "What we haven't seen are superspreader events" that ignited in schools, says Sallie Permar, MD, PhD, a professor of pediatrics and immunology at Duke. "The fear that you'd have one infected kid come to school, and then you'd have many other kids and teachers and relatives [at home] get infected — that hasn't happened."
  - See also: Schools Aren't Super-Spreaders
- School Re-Openings after Summer Breaks in Germany Did Not Increase SARS-CoV-2
  - Over a large number of specifications, sub-group analyses and robustness checks, we do not find any evidence of a positive effect of school re-openings on case numbers. On the contrary, our preferred specification indicates that the end of summer breaks had a negative effect on the number of new confirmed cases. Three weeks after the end of summer breaks, cases have decreased by 0.55 cases per 100,000 inhabitants or 27 percent of a standard deviation. Our results are not explained by changes in mobility patterns around school re-openings arising from travel returnees. We conclude that school re-openings in Germany under strict hygiene measures combined with quarantine and containment measures have not increased the number of newly confirmed SARS-CoV-2 infections.
- Child care not associated with spread of COVID-19, Yale study finds
  - The study, published in the journal Pediatrics, found that exposure to child care was not associated with an elevated risk of spreading COVID-19 from children to adults, provided the child care programs took multiple safety measures — including disinfecting, handwashing, symptom screening, social distancing, mask-wearing, and limiting group size — and were located in communities where the spread of COVID-19 was contained. (Full article here)

Study from Duke
https://www.insidehighered.com/news/2020/11/18/duke-study-highlights-importance-broad-asymptomatic-testing
https://www.cdc.gov/mmwr/volumes/69/wr/mm6946e1.htm?s_cid=mm6946e1_w

- Over the course of the first 10 weeks of the fall semester, Duke conducted 68,913 tests on 10,265 students. Slightly more than half (51 percent) of the 84 total students who tested positive were asymptomatic
- "Some of those individuals had some very high viral load numbers: what that translates to is how much virus they had when we tested them,"
- Also of note, the authors wrote that contact tracing has found no evidence linking transmission to in-person classes.
- The authors also found that student compliance with testing on their scheduled testing date was approximately 95 percent.

UNICEF: Schools are not 'main drivers' of Covid among kids
https://subscriber.politicopro.com/education/article/2020/11/unicef-schools-are-not-main-drivers-of-covid-among-kids-2020415