## METRICS UPDATE

## Glen Ellyn School District 41 Board of Education Workshop Meeting

January 11, 2021



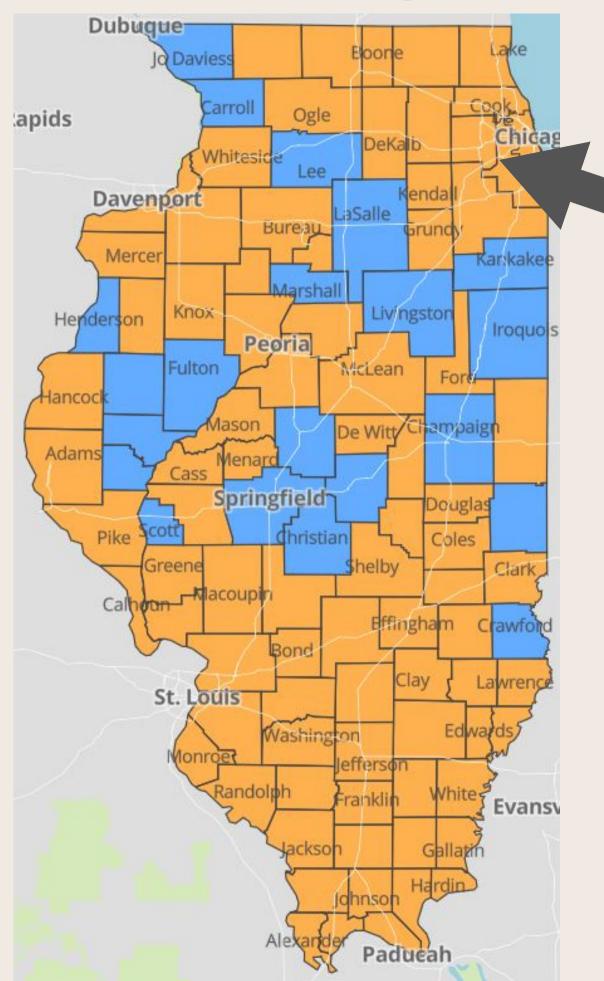
## Week 53 Metrics

12/27-1/2

#### **IDPH Statewide Map Week 53**

**Blue:** Stable COVID-19 metrics

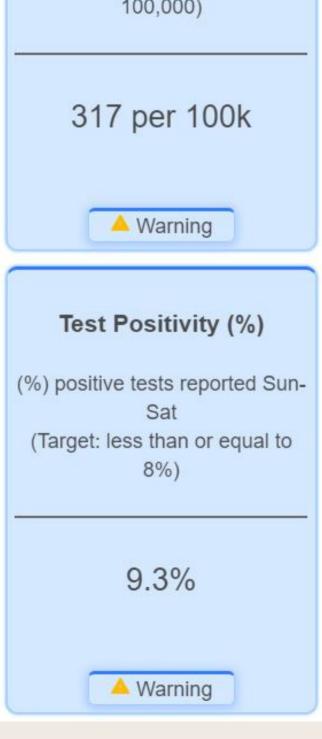
**Orange:** Warning signs of increased COVID-19 metrics



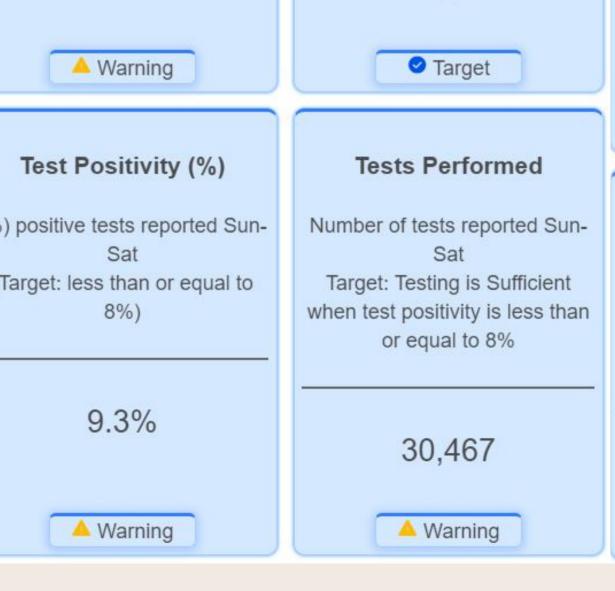
**DuPage County** 

#### **IDPH County Level Metrics for DuPage Week 53**



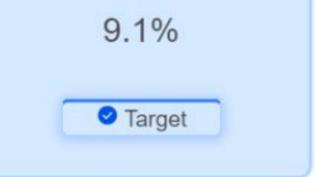


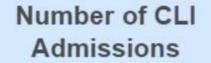
## **Number of Deaths** Death number reported Sun-Sat (Target: decreasing or stable Sun-Sat) 55 Target



#### CLI ED Visits (%), Adults

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





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



#### Cluster (%) of cases

No Target This metric helps explain large increase in cases

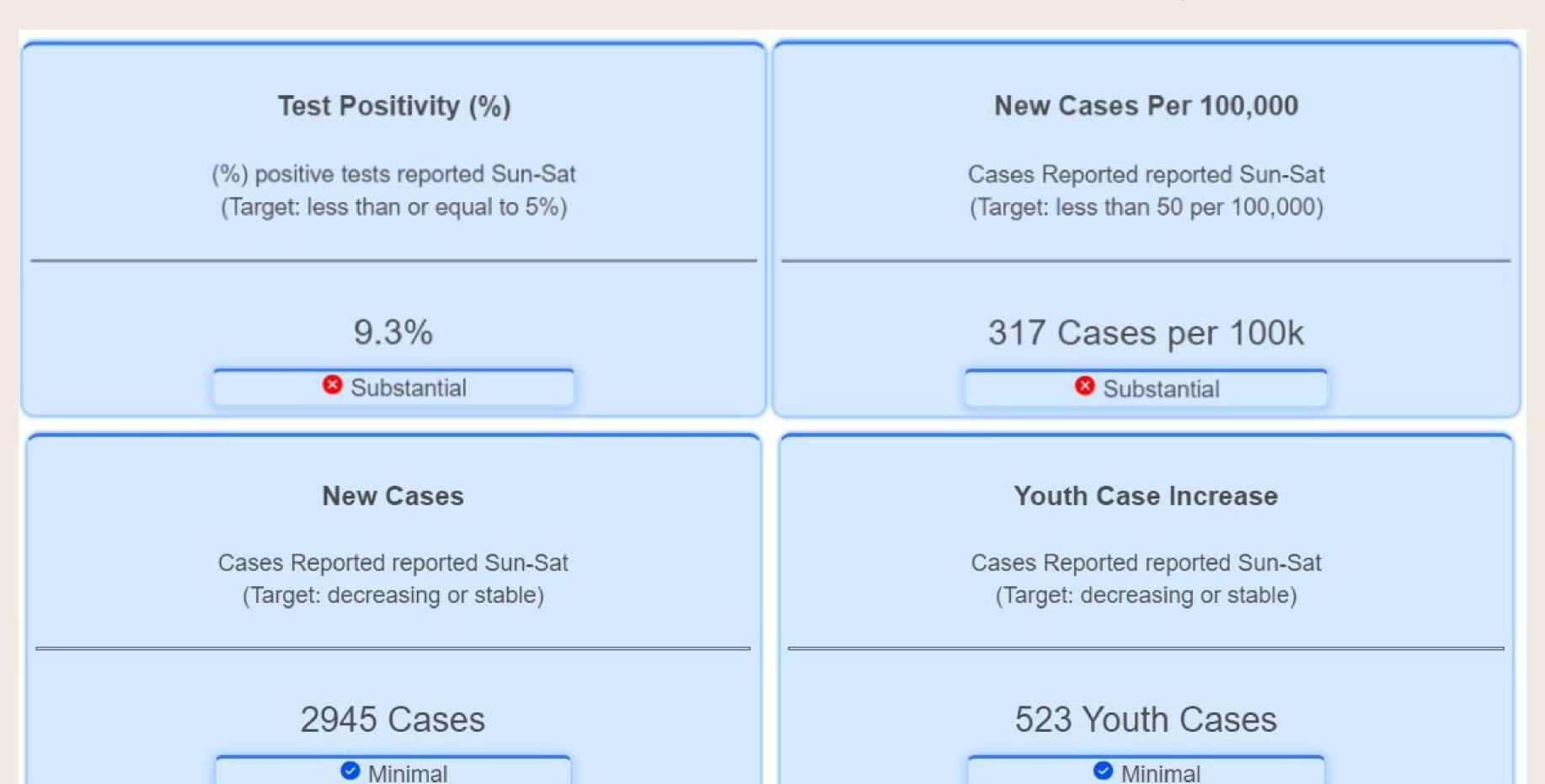
2.3%

#### ICU (%) Available

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

> 27% Target

#### IDPH COVID-19 School Metrics for DuPage County Week 53



#### DuPage County COVID-19 School Metrics<sup>1</sup>

DuPage County COVID-19 Community Transmission Level: SUBSTANTIAL Week 53, 12/27/2020-01/02/2021

COVID-19 School Metric	Value	Trend	Community Transmission Level by Metric
Illinois Department of Public Health (IDPH) County-Level Risk Metric Color Source: IDPH County Level COVID-19 Risk Metrics	Transitioned to ORANGE (IDPH- defined) once in the last 4 weeks <sup>2</sup>	1	Moderate
New Cases per 100,000 per Week <sup>2</sup> Source: IDPH County Level COVID-19 Risk Metrics	317 per 100,000 per week	Up from 247 per 100,000 in Week 52	Substantial
Weekly Case Count Trend <sup>3</sup> Source: IDPH COVID-19 County & School Metrics	Week 51 to Week 52 = -29.5% Week 52 to Week 53 = +28.4%	1	Minimal
Weekly Youth (<20 years old) Case Count Trend <sup>3</sup> Source: IDPH COVID-19 County & School Metrics	Week 51 to Week 52 = -26.1% Week 52 to Week 53 = +40.2%	1	Minimal
Weekly Test Positivity <sup>2</sup> Source: IDPH COVID-19 County & School Metrics	9.3%	Up from 7.8% in Week 52	Substantial
Neighboring/Regional Indicator Level <sup>4</sup> Source: IDPH County Level COVID-19 Risk Metrics	Region 8 in Tier 3 mitigation for two or more consecutive weeks	Stable	Substantial

## Local

#### Glen Ellyn School District 41 | Covid Dashboard

COVID data updated every Friday. Saliva surveillance screening results posted midweek.

COVID-19 Report for District 41 Students & Staff: COVID-19 REPORT

Cumulative Totals	In-Person Blended Students in Attendance	PreK-2	PreK-2	PreK-8	PreK-8	PreK-8	PreK-8	PreK-8	PreK-8
	Week of:	10/19 - 10/23	10/26 - 10/30	11/2 - 11/6	11/9 - 11/13	11/30 - 12/4	12/7 - 12/11	12/14 - 12/18	1/4/21 1/8
77	Number of new COVID-19 positive students for the week	1	4	11	12	20	11	7	11
	Number of students quarantined at home as of Friday due to close contact with a positive or probable case	23	26	61	98	36	38	47	35
19	Number of New COVID-19 positive staff for the week	1	2	0	5	4	4	2	1
	Number of staff quarantined at home as of Friday due to close contact with a positive or probable case	9	14	13	18	7	11	5	3

COVID 10 DEDODT

Source: https://www.d41.org/domain/1109

Saliva Surveillance Results				
Week of:	11/30 - 12/4	12/7 - 12/11	12/14 - 12/18	
Staff Participation Rate	35.59% 142 of 399	<b>34.35%</b> 180 of 524	<b>43.84%</b> 217 of 495	
Student Participation Rate	<b>64.46%</b> 1,705 of 2,645	61.98% 1,625 of 2,622	<b>62.39%</b> 1,606 of 2,574	
Staff/Findings of Potential Clinical Significance Rate	1.40% 2	0.00%	0.46%	
Student/Findings of Potential Clinical Significance Rate	<b>0.23%</b> 4	0.31% 5	<b>0.12%</b> 2	
Overall/Findings of Potential Clinical Significance Rate	<b>0.32%</b> 6	<b>0.28%</b> 5	<b>0.16%</b> 3	
False positives  (A finding of clinical significance on the RT-Lamp saliva tests that tests negative via RT-PCR)	1	0	0	

Only in-person staff and students are eligible for surveillance screening. Staff and students who have recovered from COVID-19 in the past 90 days are also not eligible for surveillance screening.



	Saliva Surveillance Results						
Week of:	1/4/21 - 1/8	1/11 - 1/15					
Staff % Consented	<b>58%</b> 286 of 495						
Student % Consented	<b>80%</b> 2,104 of 2,639						
Staff Rate of Return	<b>67%</b> 193 of 286						
Student Rate of Return	<b>76%</b> 1,599 of 2,104						
Staff Participation Rate	<b>39%</b> 193 of 495						
Student Participation Rate	<b>61%</b> 1,599 of 2,639						
Staff Referred	1						
Staff Referred Rate	0.52%						
Staff Screened Total	193						
Staff Total	495						
Student Referred	3						
Student Referred Rate	0.19%						
Student Screened Total	1,599						
Student Total	2,639						
Combined Referred	4						
Combined Referred Rate	0.22%						
Combined Screened Total	1,792						
Combined Total	3,134						
False Referrals	0						

#### Data by School for 1/6/2021

Data by School: Goal is 90% (staff/student data combined)					
Abe Lincoln % Consented	83%				
Abe Lincoln Rate of Return	80%				
Abe Lincoln Participation Rate	66%				
Ben Franklin % Consented	80%				
Ben Franklin Rate of Return	83%				
Ben Franklin Participation Rate	66%				
Churchill % Consented	71%				
Churchill Rate of Return	74%				
Churchill Participation Rate	53%				
Forest Glen % Consented	77%				
Forest Glen Rate of Return	72%				
Forest Glen Participation Rate	56%				
Hadley % Consented	72%				
Hadley Rate of Return	69%				
Hadley Participation Rate	49%				

### Definitions on the Saliva Dashboard

- Only in-person staff and students are eligible for surveillance screening.
- Staff and students who have recovered from COVID-19 in the past 90 days are also not eligible for surveillance screening.

<u>% Consented</u> = the total number of those that have a signed consent/the total of those that attend in-person

Rate of Return = the total number of tests turned in/the total number of those that have a signed consent

<u>Participation Rate</u> = the total number of tests turned in/the total number of those that attend in-person

<u>Referred</u> = participants that should be referred to a CLIA certified lab for a diagnostic test

<u>Referred Rate</u> = participants that should be referred to a CLIA certified lab for a diagnostic test/total number of participants screened

<u>False Referral</u> = a participant that should be referred to a CLIA certified lab who tests negative on the follow-up RT-PCR diagnostic test.

## Overall Summary: First 4 weeks of Saliva Testing

- 7,267 = the total number of screening tests performed
- There have been a total of 18 "referred" participants
  - 4 staff
  - 14 students

• 1 "false referral"

#### Summary of the First 4 weeks of Saliva Testing by Week

- Week 1: total number of tests: 1,847 (Student: 1,705 Staff: 142)
  - Procedure for Post-Thanksgiving Break testing: Test kits were delivered by volunteers to student's homes the weekend of Thanksgiving break (11/28-11/29). Staff picked up their test kits. Samples were dropped off at schools by parents/staff on 11/30 and 12/1. Result: Total of 6 participants referred. 1 false referral. Remote learning for all on 11/30-12/2. Elementary schools back to blended on 12/3. Hadley remained on full remote learning due to high number of staff on quarantine.
- Week 2: total number of tests: 1,805 (Student: 1,625 Staff: 180)
  - Procedure: Test kits sent home from school on 12/4 with elementary students. Hadley parents picked up test kits 12/4 or 12/6 and dropped off 12/6-12/7. Result: Total of 5 participants referred. Elementary schools remained on blended for whole week. Hadley students on full remote 12/7-12/8 and were able to return to blended model on Wednesday 12/9.
- Week 3: total number of tests: 1,823 (Student: 1,606 Staff: 217)
  - Procedure: Test kits were already at home with all participants and returned on 12/14 for all AM students and 12/15 for all PM students. Staff returned tests either date. Result: Total of 3 participants referred. All schools on blended for whole week.
- Week 4: total number of tests: 1,792 (Student: 1,599 Staff: 193)
  - Procedure for Post-Winter Break testing: All test kits were already at home with participants. Parents/staff dropped off tests at any school on 1/4-1/5. Result: Total of 4 participants referred. Remote learning for all 1/4-1/6. Return to blended model for all on 1/7.

#### Glen Ellyn, Glendale Heights, Lombard, Wheaton, and Carol Stream

Data for 1/7/2021 (7-day and 14-day rolling averages)

Data	for	1/7	/2021	(7-Day)
				( )

Rolling Average Number Tested per Day	863.6
	005.0
Rolling Average Number of Positive COVID Tests	91.7
per Day	
Rolling Average COVID Positivity Rate	10.62 %
Number of new cases (7-day) per 100,000 population	324.8

#### Data for 1/7/2021 (14-Day)

Rolling Average COVID Positivity Rate	9.47 %
Number of new cases (14-day) per 100,000 population*	585.8

<sup>\*10/08/2020:</sup> 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:

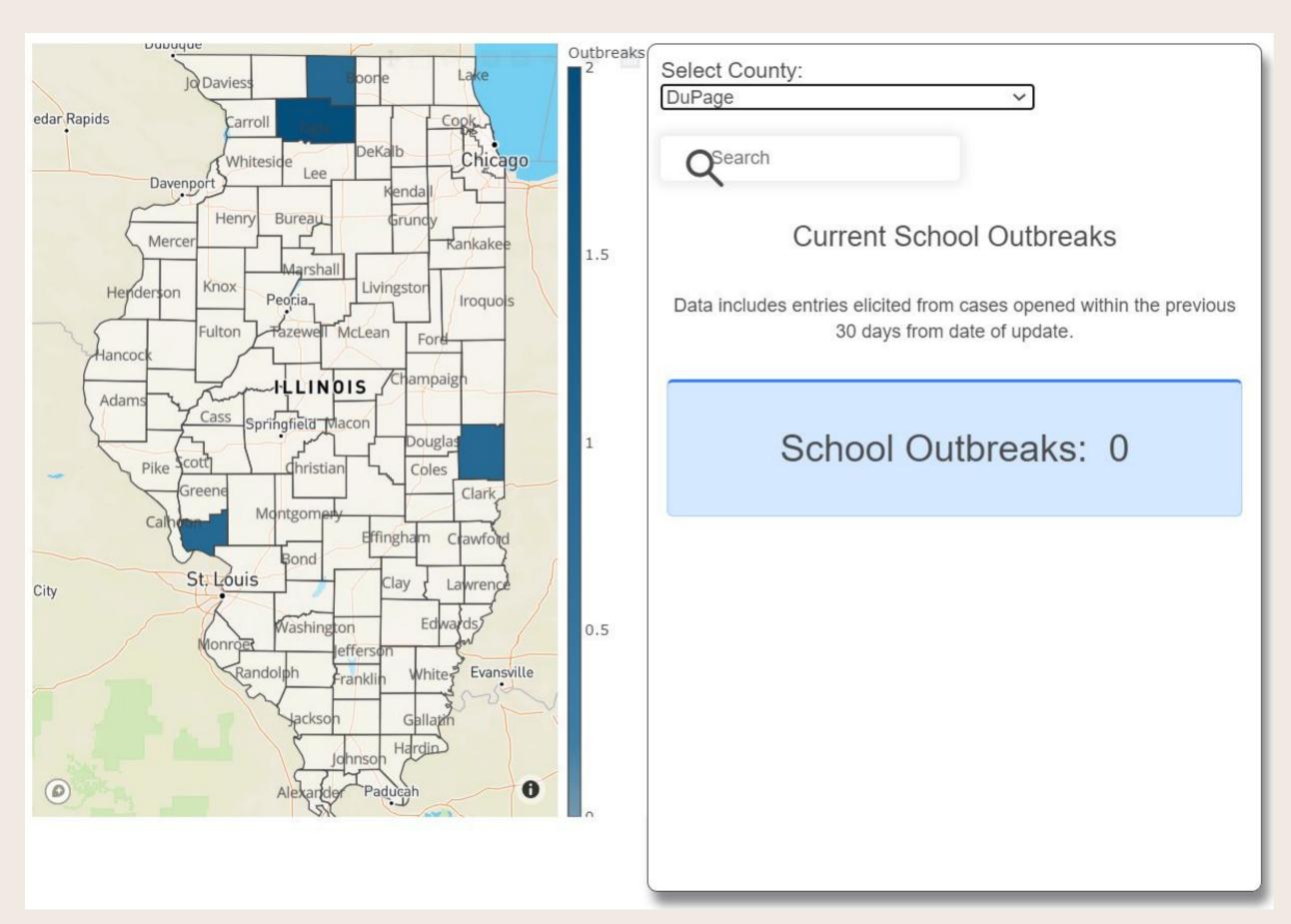
	12/31/2020	1/1/2021	1/2/2021	1/3/2021	1/4/2021	1/5/2021	1/6/2021
Tests per Day*	882.9	874.3	822.3	855.6	834.4	852.1	886.9
Cases per Day*	73.7	77.0	84.6	86.3	87.3	87.3	88.1
Positivity Rate*	8.35 %	8.81 %	10.28 %	10.09 %	10.46 %	10.24 %	9.94 %
Number of new cases (7- day) per 100,000 population	261.1	272.7	299.5	305.6	309.1	309.1	312.1

<sup>\*</sup> Calculated as 7-day rolling averages

## DuPage County

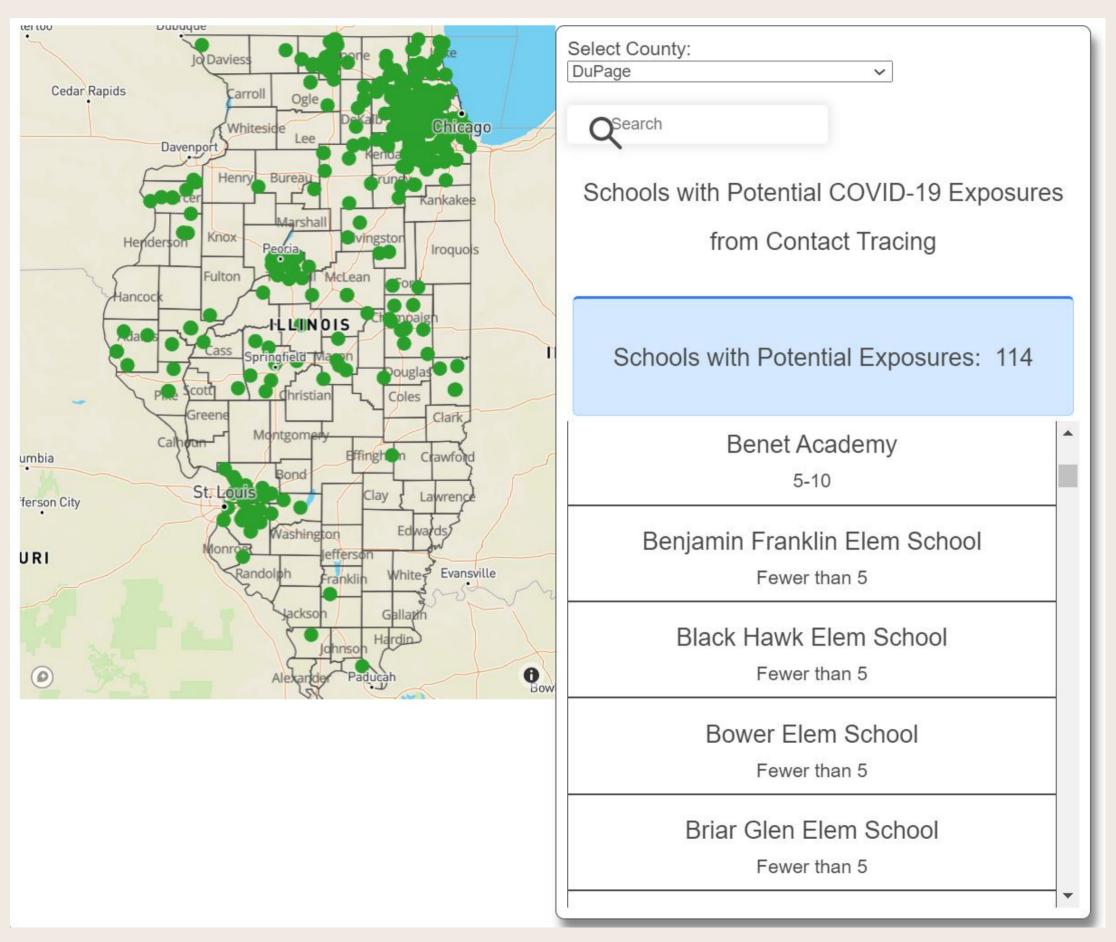
## **DuPage County School Outbreaks**

As of 1/8/2021

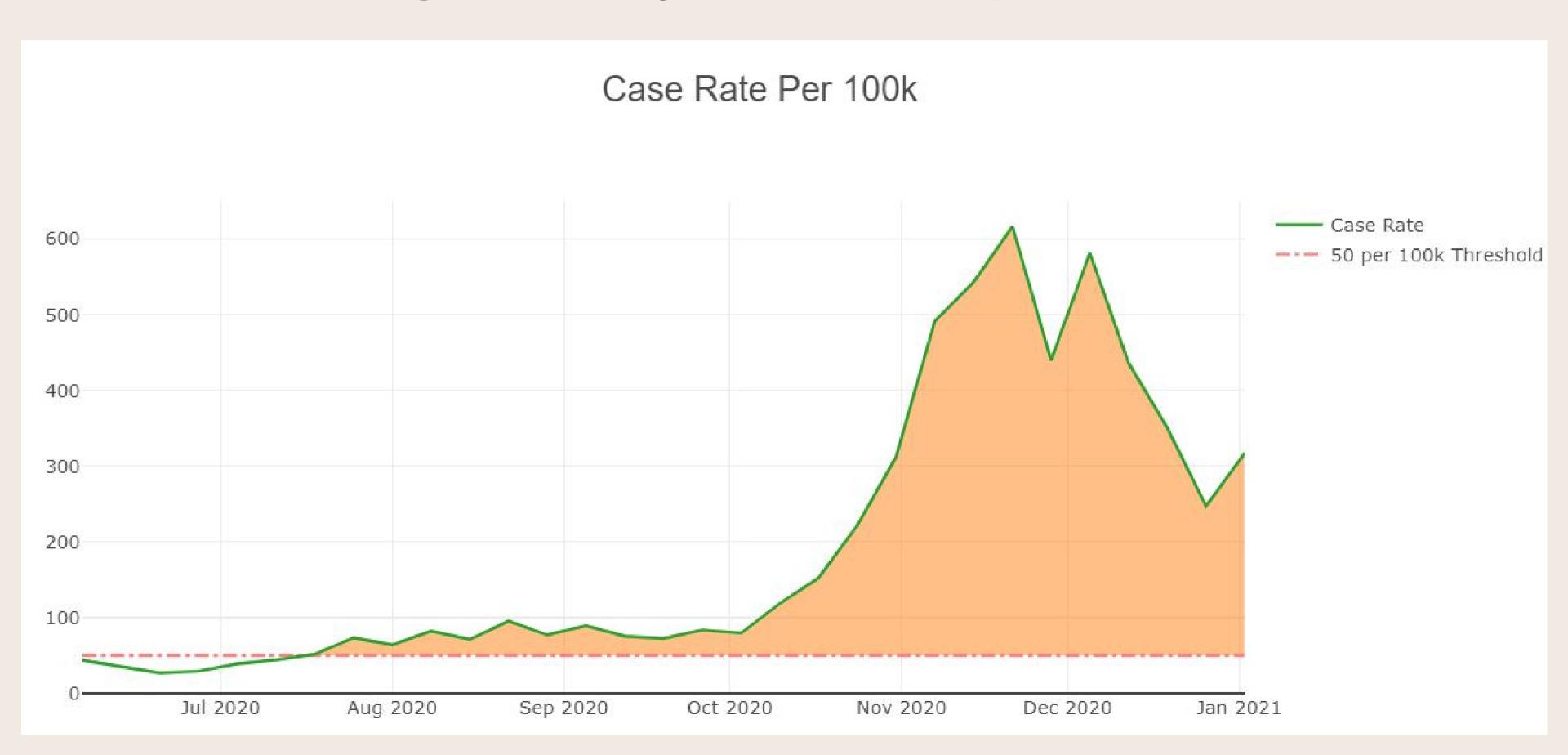


#### **DuPage County Schools with Potential COVID-19 Exposures**

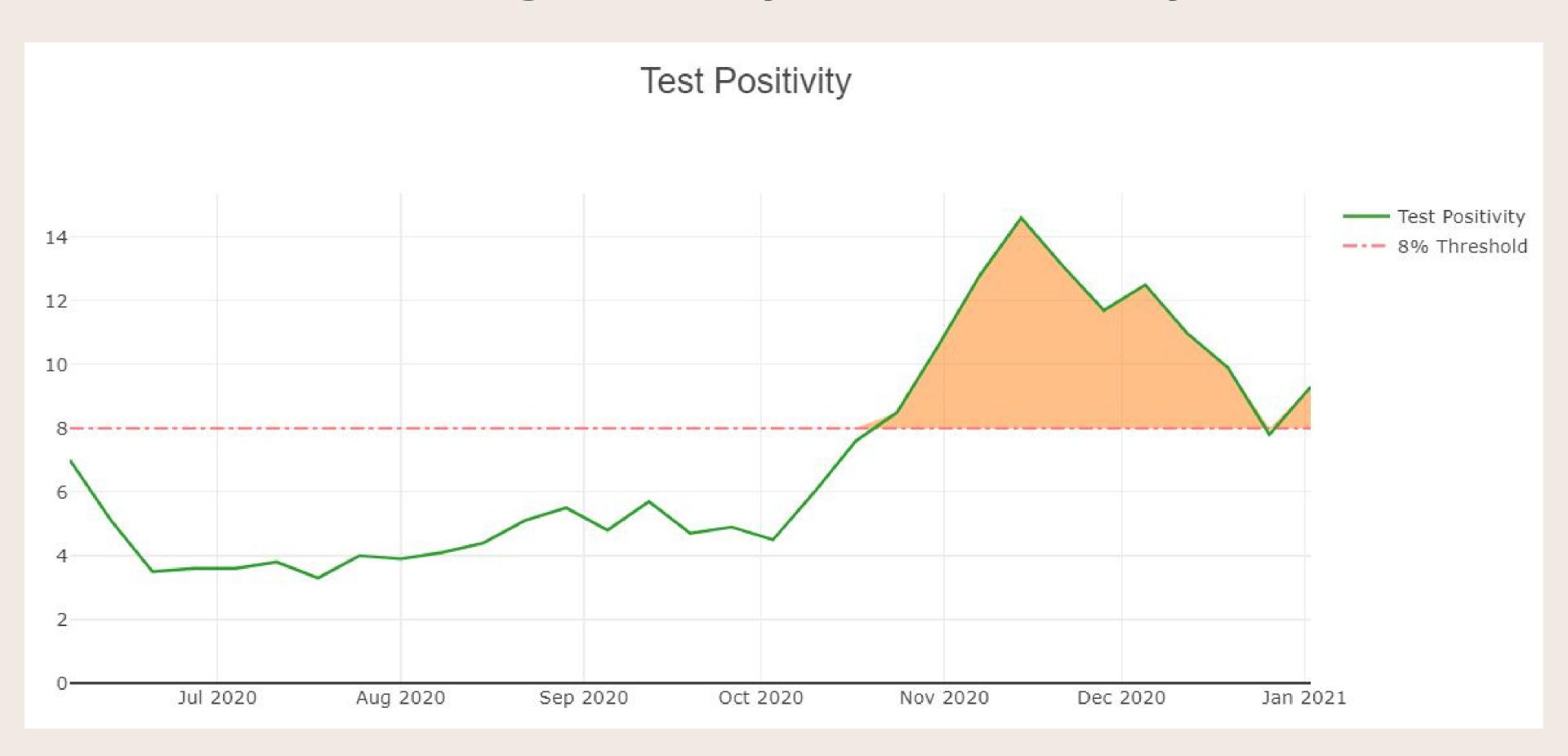
As of 1/8/2021



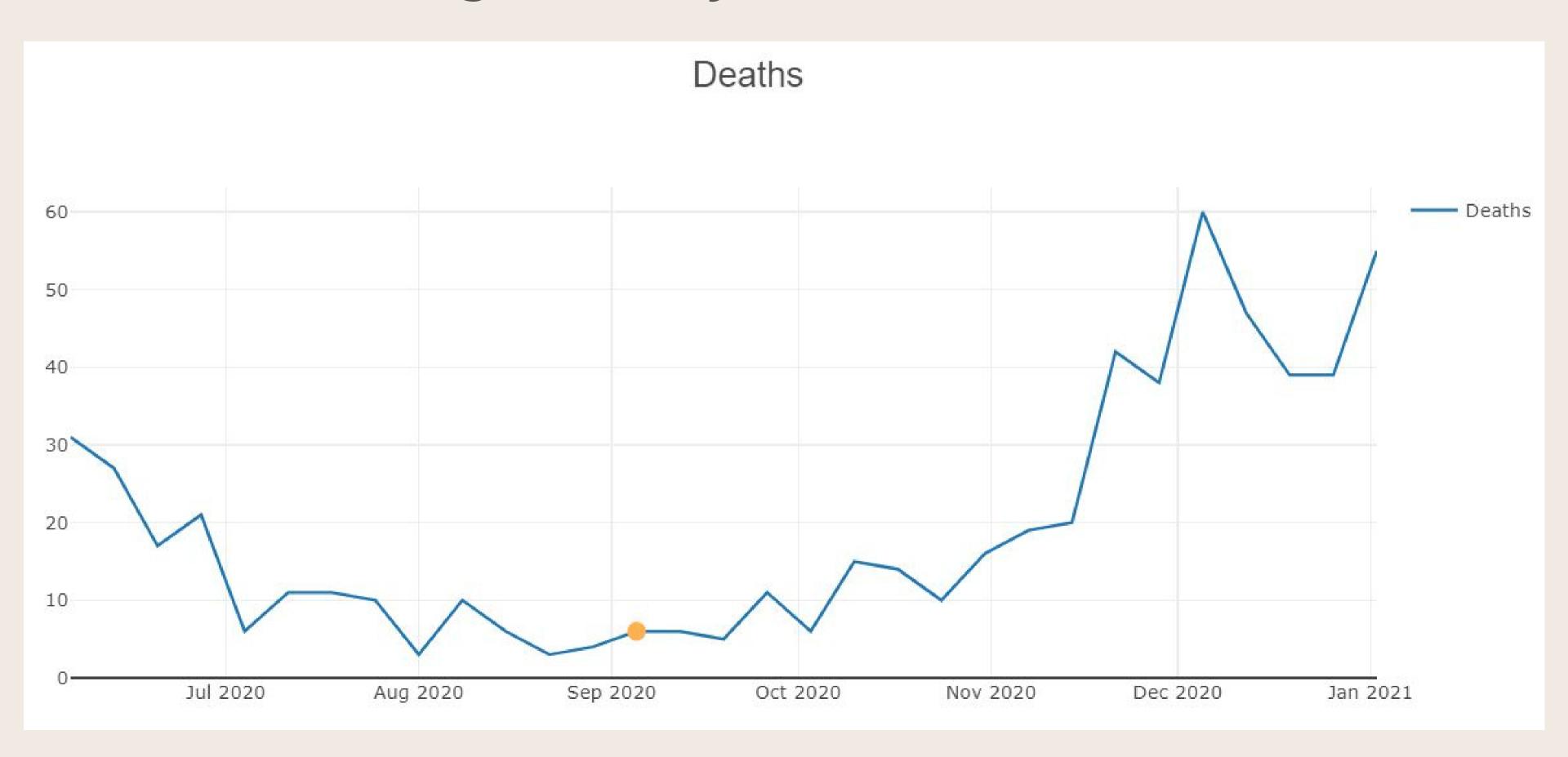
## DuPage County Case Rate per 100,000



## **DuPage County Test Positivity**

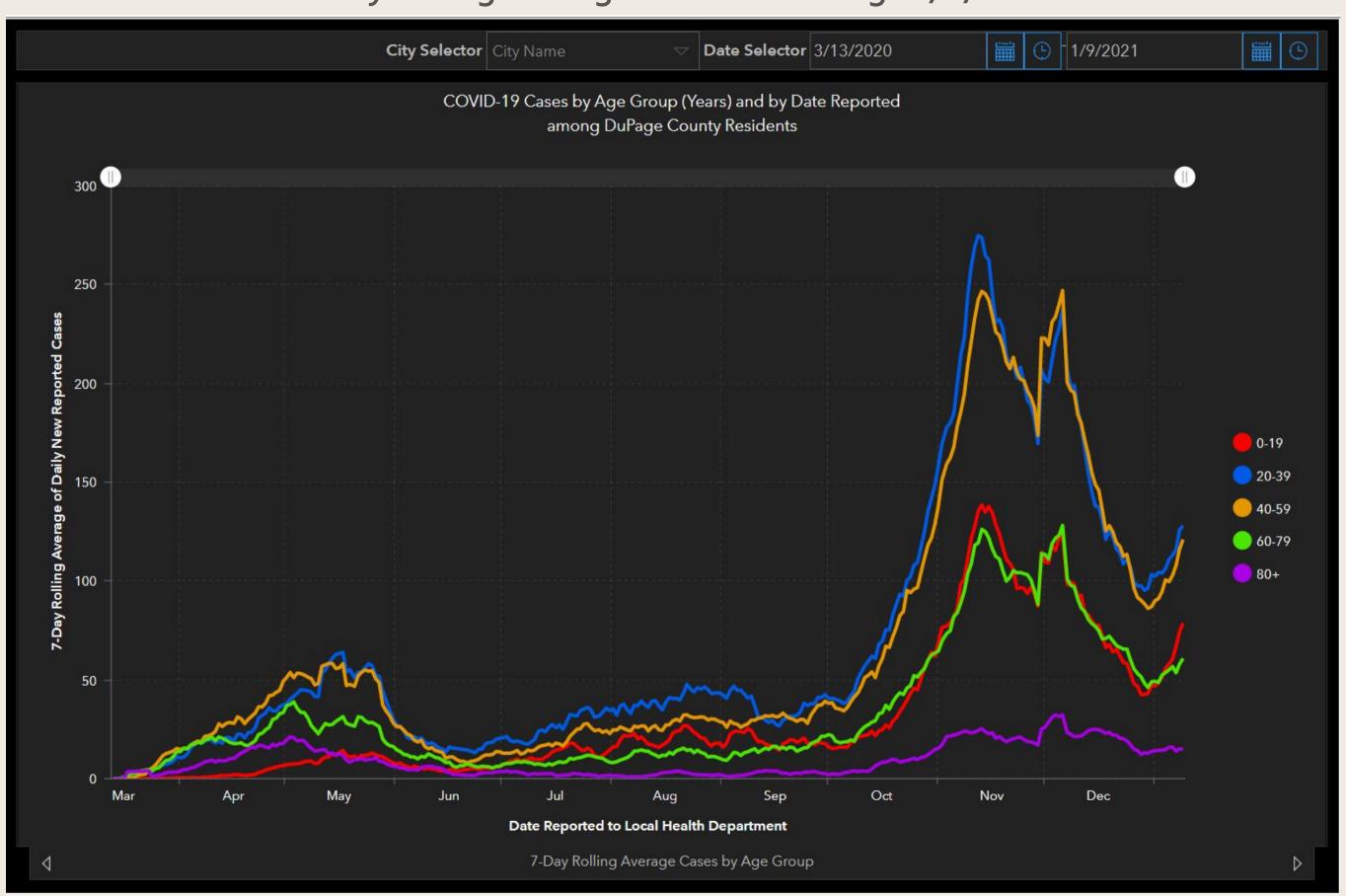


## **DuPage County Number of Deaths**



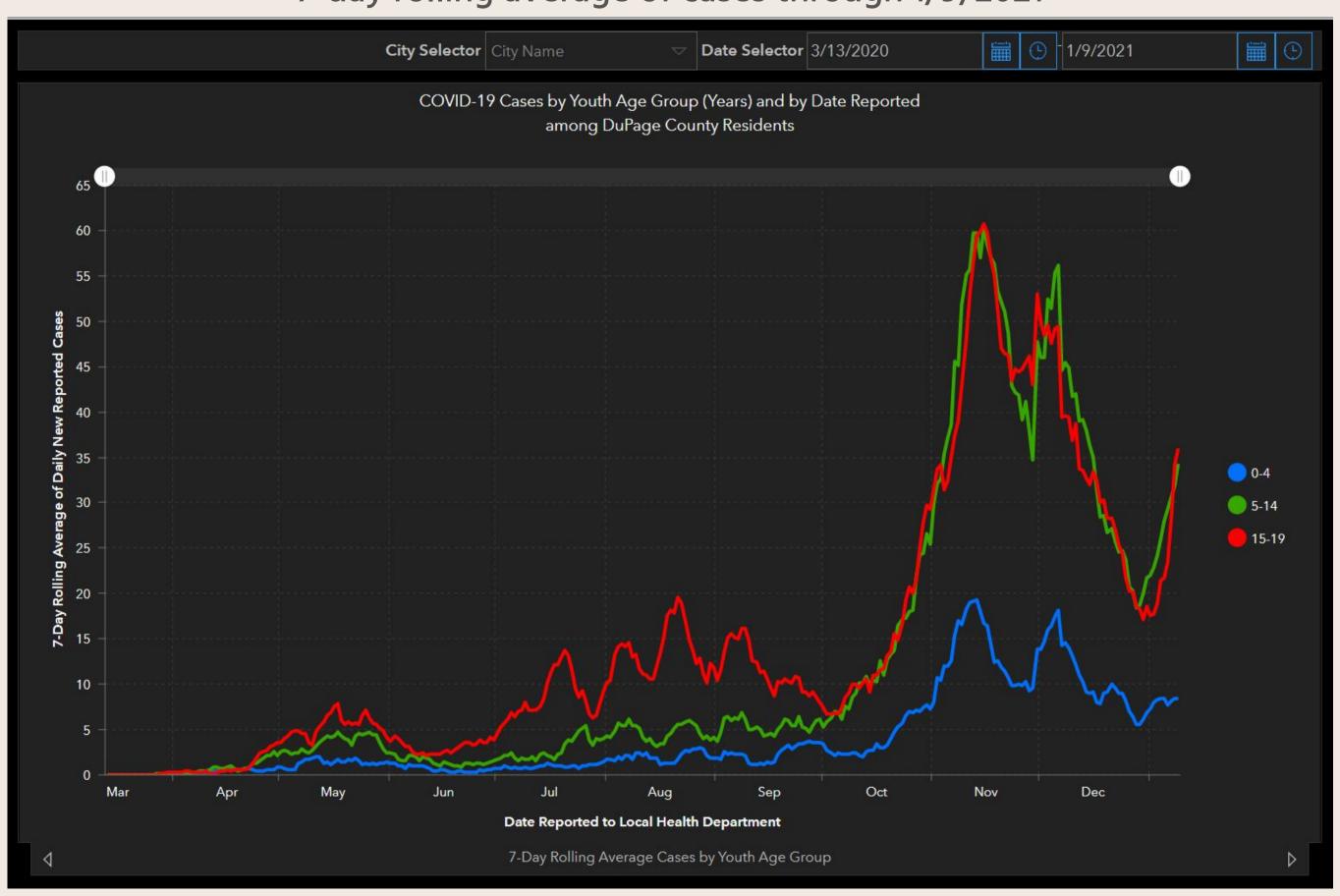
### **DuPage County Cases by Age Group**

7-day rolling average of cases through 1/9/2021



## DuPage County Cases by Youth Age Group

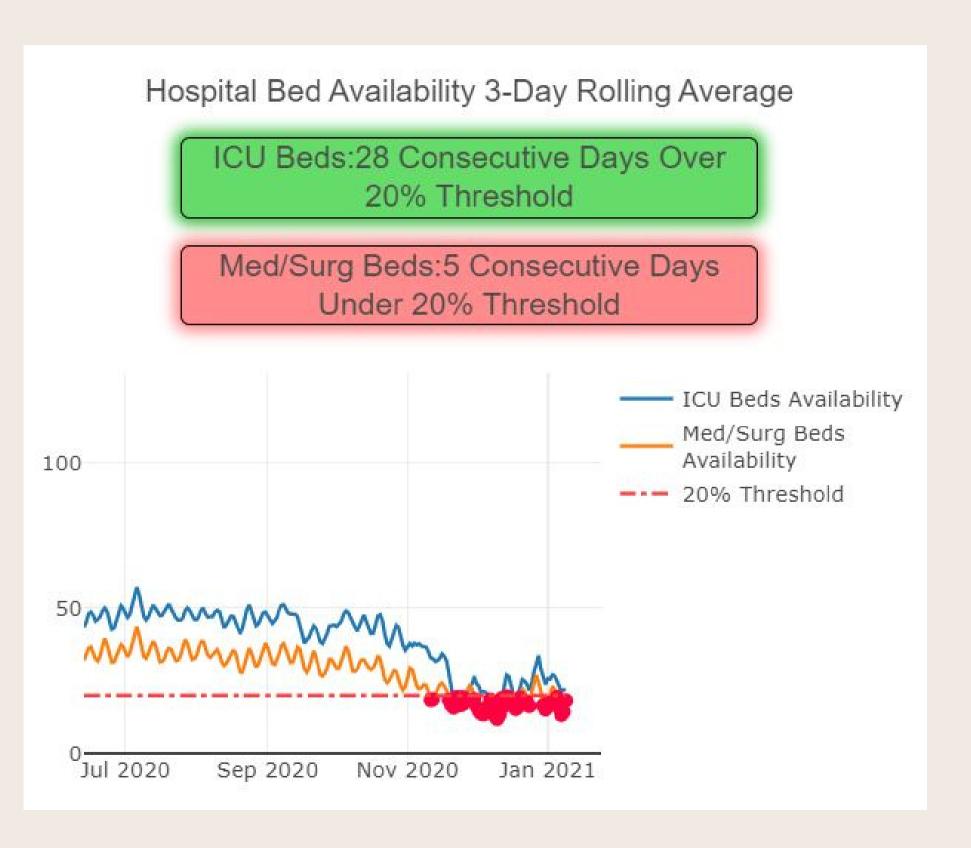
7-day rolling average of cases through 1/9/2021

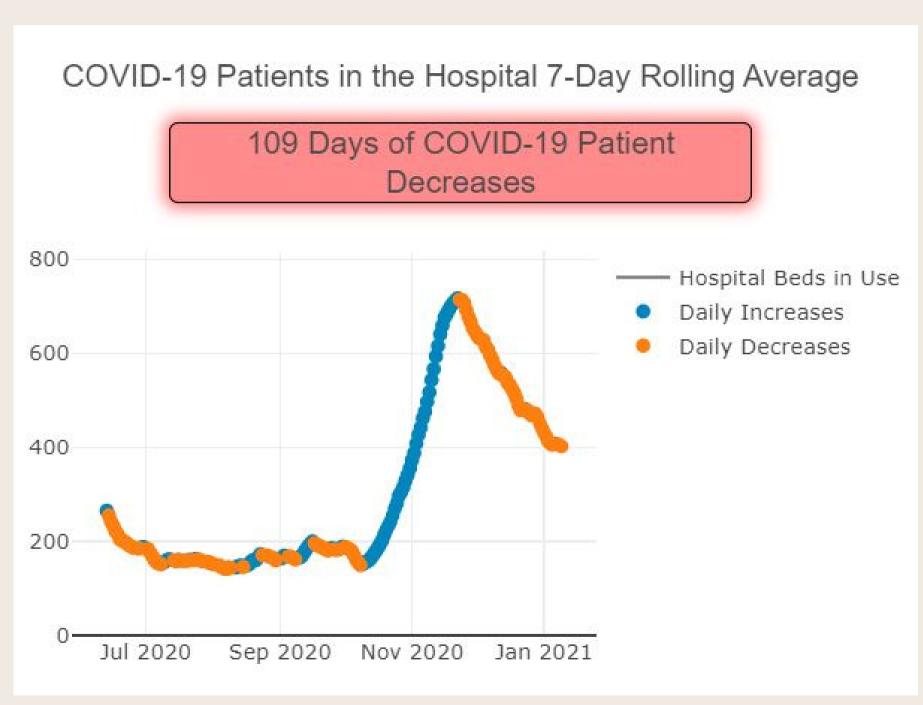


# IDPH Region 8: DuPage and Kane County

## **IDPH Region 8 Hospitalization**

As of January 10, 2021





## **IDPH Region 8 Percent Positivity**

7-Day Rolling Average as of January 10, 2021



## **IDPH Region 8 Testing Data**

#### Region 8 Test Positivity

Date	Positive Tests	Total Tested	Daily Test Positivity	Test Positivity 7-Day Rolling Avg
12/28/2020	593	6,176	9.6	9
12/29/2020	700	6,119	11.4	9.1
12/30/2020	877	8,260	10.6	9.4
12/31/2020	930	9,340	10.0	9.8
1/1/2021	518	4,903	10.6	10.2
1/2/2021	548	5,783	9.5	10.1
1/3/2021	531	4,773	11.1	10.4
1/4/2021	821	7,170	11.5	10.6
1/5/2021	719	6,782	10.6	10.5
1/6/2021	970	9,426	10.3	10.5
1/7/2021	981	9,286	10.6	10.6

## State of Illinois Tier 3 Mitigations 11/20/2020

#### RESTORE **ILLINOIS**

#### Tier 3 mitigations begin in all regions on Friday, Nov. 20.

#### **OPEN**



**BARS AND RESTAURANTS OUTDOOR SERVICE, PICKUP & DELIVERY** 



**HEALTH AND FITNESS CENTERS** AT 25% CAPACITY



**OUTDOOR SPORTS & RECREATION** WITH 10 PERSON GATHERING LIMITS



**CRITICAL INFRASTRUCTURE** AND TRADES



HOTELS **LIMITED TO REGISTERED GUESTS** 



PERSONAL CARE SERVICE AT 25% CAPACITY







SCHOOLS AND DAY CARE (LOCAL DECISION)





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MANUFACTURING WITH SAFETY GUIDELINES



**PHARMACY** AT 50% CAPACITY

#### **PAUSE**



**BANQUET HALLS** & EVENT SPACES



**GAMING AND** CASINOS



**INDOOR GROUP SPORTS & RECREATIONAL ACTIVITIES** 



CULTURAL **INSTITUTIONS** 



INDOOR **FITNESS CLASSES** 



**OFFICES SHOULD WORK** REMOTELY IF POSSIBLE



**LIMIT GATHERINGS TO** YOUR HOUSEHOLD

## Stay tuned for a near future metric to get excited about...

### **Vaccination Rates**



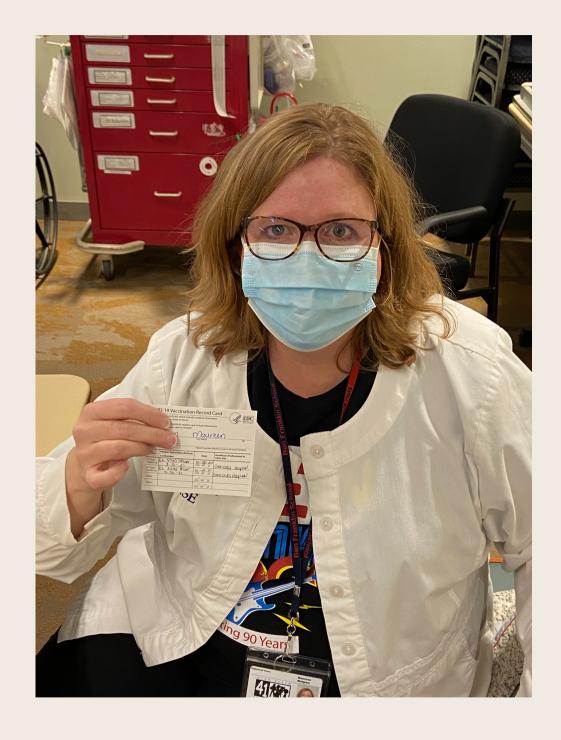






As of January 4, 2021, over 27,000 doses of Pfizer and Moderna vaccine have been received and distributed in DuPage County.

### Vaccination Rates







The DCHD COVID-19 vaccine clinics continue offering about 1,500 appointments per week for other healthcare personnel who are not affiliated with hospitals.

Any personnel in this category should register for the COVID-19 Vaccine Weekly Update.

## Metrics References...

## **IDPH Metrics Methodology**

All metrics will be updated weekly, based on the previous week (i.e., previous Sunday through Saturday)

#### Weekly New Case Rate per 100,000 people

Calculated as a rate = [County case count for 7 days] / [County population] x100,000

If there are fewer than 10 new cases for 7 days, the rate is not calculated and the exact count is used, due to instability in the rate.

Minimal: Case count is fewer than 10 or the rate is < 50 cases per 100,000 people

Moderate: Case rate is > 50 cases per 100,000 people or < 100 cases per 100,000

Substantial: Case rate is greater than 100 cases per 100,000 people

#### **Weekly Count of New cases increase**

The total count of new cases reported during the 7 days is measured for the change from week to week for two consecutive weeks

Minimal: Case number increases for 2 weeks, by > 5% each week and <10%

Moderate: Case number increases for 2 weeks, by > 10% each week and <20%

Substantial: Case number increases for 2 weeks, by > 20% each week

#### **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

Minimal: Case number increases for 2 weeks, by > 5% each week and <10%

Moderate: Case number increases for 2 weeks, by > 10% each week and <20%

Substantial: Case number increases for 2 weeks, by > 20% each week

#### **Test Positivity**

The testing data represents data reported to IDPH through Electronic Laboratory Reporting (ELR) only. It is based on the date results are reported into the ELR. It excludes testing data that are received from sites that have not implemented ELR. This excludes 3-5% of test data. Weekly test positivity = [County positive tests for 7 days] / [County total tests for same 7 days] x 100

Minimal: Test positivity is <5%

Moderate: Test positivity is >5% and <8%

Substantial: Test positivity is >8%

Source: https://www.dph.illinois.gov/countyschool?county=DuPage

## **IDPH Warning Level Indicators**

IDPH uses numerous indicators when determining if a county is experiencing stable COVID-19 activity, or if there are warning signs of increased COVID-19 risk in the county. Blue indicates that the county is experiencing overall stable COVID-19 metrics. Orange indicates there are warning signs of increased COVID-19 transmission in the county.

A county is considered at the warning level when at least two of the following metrics triggers a warning:

- New cases per 100,000 people. If there are more than 50 new cases per 100,000 people in the county, this triggers a warning.
- Number of deaths. This metric indicates a warning when the weekly number of deaths increases more than 20% for two consecutive weeks.
- Weekly test positivity. This metric indicates a warning when the 7-day test positivity rate rises above 8%.
- ICU availability. If there are fewer than 20% of intensive care units available in the region, this triggers a warning.
- Weekly emergency department visits. This metric indicates a warning when the weekly percent of COVID-19-like-illness emergency department visits increase by more than 20% for two consecutive weeks.
- Weekly hospital admissions. A warning is triggered when the weekly number of hospital admissions for COVID-19-like-illness increases by more than 20% for two consecutive weeks.
- Tests performed. This metric is used to provide context and indicate if more testing is needed in the county.
- Clusters. This metric looks at the percent of COVID-19 cases associated with clusters or outbreaks and is used to understand large increase in cases.

These metrics are intended to be used for local level awareness to help local leaders, businesses, local health departments, and the public make informed decisions about personal and family gatherings, as well as what activities they choose to do. The metrics are updated weekly, from the Sunday-Saturday of the prior week.

## IDPH Regions Methodology

#### **Test Positivity**

Each day, for each region and county, a 7-day test positivity average is calculated by dividing the sum of COVID-19 positive tests for 7 days by the sum of the total COVID-19 tests for the same 7 days, rounded to one decimal place. Whenever the test positivity average (for 7 days) increases from the previous day or is 8% or greater, it is flagged. The data is published online with a three-day lag.

Calculation: 100 x [Sum of positive tests for 7 days] / [Sum of total tests for same 7 days]

#### Hospital Admissions for COVID-Like Illness (CLI)

Each day, for each region, a 7-day average is calculated by dividing the total number of CLI hospital admissions for 7 days by 7, rounded to a whole number. Whenever the average CLI hospital admissions increases from the previous day, it is flagged. The data is published online with a three-day lag.

Calculation: [Region CLI hospital admissions for 7 days] / 7

#### **Medical/Surgical Beds Percent Availability**

Each day, for each region, the sum of the available medical and surgical beds over three days is divided by the sum of the total medical and surgical beds (i.e., bed capacity) over the same period. The data is published online with a three-day lag.

Calculation: 100 x [Sum of medical and surgical beds available in the region for 3 days] / [Sum of total medical and surgical beds in the region for same 3 days]

#### **Intensive Care Unit (ICU) Percent Availability**

Each day, for each region, the sum of the available ICU beds over three days is divided by the sum of the total ICU beds (i.e., bed capacity) over the same period. The data is published online with a three-day lag.

Calculation: 100 x [Sum of ICU beds available in the region for 3 days] / [Sum of total ICU beds in the region for same 3 days]

#### **DuPage County COVID-19 School Metrics Guidance**

Minimal Community Transmission	Moderate Community Transmission	Substantial Community Transmission
Encourage in-person learning with at least six feet of physical distancing between students and faculty/staff*  Consider opt-in remote option for students  * All IDPH/ISBE health & safety precautions in place, including universal use of face coverings	Encourage learning models that maintain at least six feet of physical distancing*  Some-to-no mixing of groups of students and teachers throughout/across school days  Some students participate in virtual and some participate in-person  School officials should use their discretion and expertise to determine which populations of students should receive in-person instruction whose needs are less likely to be met by virtual instruction; maintain essential services in-person and/or with remote access.  *All IDPH/ISBE health & safety precautions in place, including universal use of face coverings	Encourage 100% remote learning*  School officials should use their discretion and expertise to determine which populations of students shoul receive inperson instruction whose needs are less likely to be met by virtual instruction.  * All IDPH/ISBE health and safety precautions in place, including universal use of face coverings and at least six fee of physical distancing
Alert for one metric but remained BLUE (IDPH-defined) 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 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 (IDPH-defined) 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 (IDPH defined 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 county youth case numbers increase for two consecutive weeks with a >20% increase occurring each week  Weekly test positivity >8%  Region moved to Tier 1 mitigation

Return to full in-person learning as before COVID-19 will be based on broad access and uptake of a safe, effective vaccine to prevent additional spread of COVID-19 and/or when there are no new cases over a sustained period. This corresponds to Phase 5 of Restore Illinois Plan.

## DuPage County Health Department Leaves "Remote or In-Person Learning Plans" Discretion to Superintendents (10/26/2020)

As COVID-19 cases continue to rise locally, the Return to School Framework recommends that school officials review and consider the level of disease activity in their communities as they make decisions about if and when to shift between learning models this school year. DCHD has been working closely with the DuPage ROE and school district administrators in DuPage County to help inform plans for safely reopening schools this fall.

NOTE: <u>DCHD supports the decision-making authority and discretion of Superintendents in DuPage County to determine the appropriate learning plans, whether remote or in-person, and implementation for their school district.</u> DCHD has worked collaboratively with Superintendents to equip them with the public health guidance and data necessary to aid and inform their decision-making process during any transmission level. <u>DCHD is not able to and does not have the authority to endorse the safety of any specific decision made by Superintendents, within or outside of the recommendations provided in our framework.</u> As stated in our framework, we encourage DuPage Superintendents to consider individual school-level factors such as case and outbreak activity, specific disease trends and distribution, absenteeism among students and staff within a school, ability of the school to implement key mitigation strategies, and alternate remote learning site options and safety protocols when making the decision for their school community.

From the DuPage County Health Department COVID-19: Information for Schools and Daycares updated 10/26/2020

### **COVID-19 School Aged Metrics and School Outbreaks**

IDPH is monitoring several trends at the county, regional, and statewide level. This page includes information about schoolaged cases and outbreaks in schools.

Data for school-aged cases include the number of new cases reported each week by county among age groups 5-11 years, 12-17 years, and 18-22 years. Not all cases among those aged 5-17 years are associated with schools.

Outbreak information is reported once the outbreak investigation is considered complete. Some outbreaks are pending processing and evaluation and will be added as more complete information is available. The outbreak information is reported by local health departments to the Illinois Department of Public Health through an outbreak reporting system.

Specific outbreaks included are those that have been identified by the local health department to have <u>five or more COVID-19 cases who may have a shared exposure on school grounds and are from different households.</u> Case counts for school-related outbreaks also include those associated with before and after school programs (e.g., school-sponsored sports). These outbreaks do not include secondary cases that may occur in a household member who has not been on school grounds.

Schools across Illinois are at various stages – in-person, remote, or hybrid learning. This can change at any time depending on outbreaks, test positivity, and new cases in the school or community.

## Schools with Potential COVID-19 Exposures

The data on this page represent information collected through contract tracing. Location information is gathered by asking cases to recall locations visited in the 14 days preceding symptom onset or specimen collection if symptoms are not present. The location name and type of location are entered into a centralized database called Salesforce<sup>®</sup>.

School data show the number of confirmed and probable cases who listed a school as a place visited, but that does not mean it is where they were infected. Only schools where names have been provided are included.

Data completeness is affected by several factors, including ability to reach cases, willingness of cases to report location information, completeness of the location information provided, and differentiation in how contact tracers interpret and enter information provided.

Data for Chicago Public Schools are tracked separately.

These data are subject to change as contact tracers enter new information. Data includes information elicited from cases opened within the previous 30 days from date of update. Data will be updated weekly.

Schools include both public and private schools.