

# STATE OF THE METRICS

## Glen Ellyn School District 41

October 29, 2020



# Presented by the Glen Ellyn School District 41

## Pandemic Response Advisory Team Metrics Subcommittee:

**Katie Adduci**, APRN, MSN, FNP-BC is a Board Certified Emergency Nurse at Advocate Good Samaritan Hospital in Downers Grove where she has practiced for the past 15 years. She is on the Board of Directors for the Illinois Society of Advanced Practice Nurses. She is a parent member of Ann & Robert H. Lurie Children's Hospital of Chicago Family and Ethics Advisory Boards. She volunteers for the National Kidney Foundation of Illinois pediatric programs. She is also a Medical Guardian for Honor Flight Chicago. She lives in Glen Ellyn with her husband and two children, who attend Ben Franklin Elementary and Hadley Junior High.

**David Check** is a banking professional with Masters of a Business Administration degree and Chartered Financial Analyst certification. In his career, David has financed acquisitions of numerous private educational and healthcare companies, reviewing budgets and financial ledgers. David is a member of the FAC committee to the SD 41 Superintendent. He lives in Glen Ellyn with his wife and two kids, who attend Churchill Elementary in its dual language program.

**Ellen Dickey** has worked at Argonne National Laboratory in the BioSafety and Security program for the past seven years. Prior to that she worked for the federal government for 10 years in the national security arena. She lives in Glen Ellyn and has a second and first grader at Ben Franklin, along with a three-year-old future Ben Franklin Bear.

**Kathy Maxon** is an employee of District 41 with a background in special education and is the Administrative Assistant at Churchill School. She is the President of AFSCME Local 1334, the union representing the support staff of the district. She has served on various district leadership teams, professional development teams, Churchill leadership team, and community task forces. Has presented at Illinois Professional Development Conferences and Learning Forward National Conferences for Educational Professional Learning. She has been a past small business owner/contractor in the construction sector. She lives in Glen Ellyn and her children are graduates of District 41 and District 87.

**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%

# 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.



## DuPage County COVID-19 School Metrics Guidance

Minimal Community Transmission	Moderate Community Transmission	Substantial Community Transmission
<p><b>Encourage in-person learning with at least six feet of physical distancing between students and faculty/staff*</b></p> <p>Consider opt-in remote option for students</p> <p><u>* All IDPH/ISBE health &amp; safety precautions in place, including universal use of face coverings</u></p>	<p><b>Encourage learning models that maintain at least six feet of physical distancing*</b></p> <p><b>Some-to-no mixing of groups of students and teachers throughout/across school days</b></p> <p><b>Some students participate in virtual and some participate in-person</b></p> <p>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.</p> <p><u>* All IDPH/ISBE health &amp; safety precautions in place, including universal use of face coverings</u></p>	<p><b>Encourage 100% remote learning*</b></p> <p>School officials should use their discretion and expertise to determine which populations of students should receive inperson instruction whose needs are less likely to be met by virtual instruction.</p> <p><u>* All IDPH/ISBE health and safety precautions in place, including universal use of face coverings and at least six feet of physical distancing</u></p>
<p>Alert for one metric but remained BLUE (IDPH-defined) at any point in the last 4 weeks</p> <p>Weekly county case rates <math>\leq 50</math> per 100,000</p> <p>Weekly county overall case numbers increase for two consecutive weeks with a <math>&gt;5\%</math> to <math>\leq 10\%</math> increase occurring each week</p> <p>Weekly county youth case numbers increase for two consecutive weeks with a <math>&gt;5\%</math> to <math>\leq 10\%</math> increase occurring each week</p> <p>Weekly test positivity <math>\leq 5\%</math></p> <p>Neighboring county in orange once in the last 4 weeks</p>	<p>Transitioned to ORANGE (IDPH-defined) once in last 4 weeks</p> <p>Weekly county case rates <math>&gt;50</math> to <math>\leq 100</math> per 100,000</p> <p>Weekly county overall case numbers increase for two consecutive weeks with a <math>&gt;10\%</math> or <math>\leq 20\%</math> increase occurring each week</p> <p>Weekly county youth case numbers increase for two consecutive weeks with a <math>&gt;10\%</math> or <math>\leq 20\%</math> increase occurring each week</p> <p>Weekly test positivity <math>&gt;5\%</math> but <math>\leq 8\%</math></p>	<p>Remained in ORANGE (IDPH defined) for <math>&gt;2</math> consecutive weeks</p> <p>Weekly county case rates above <math>&gt; 100</math> per 100,000</p> <p>Weekly county overall case numbers increase for two consecutive weeks with a <math>&gt; 20\%</math> increase occurring each week</p> <p>Weekly county youth case numbers increase for two consecutive weeks with a <math>&gt;20\%</math> increase occurring each week</p> <p>Weekly test positivity <math>&gt;8\%</math></p> <p>Region moved to Tier 1 mitigation</p>
<p><b>Return to full in-person learning</b> 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.</p>		



# From the DuPage County Health Department:

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: 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. 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. 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. 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

# **Week 42 Metrics**

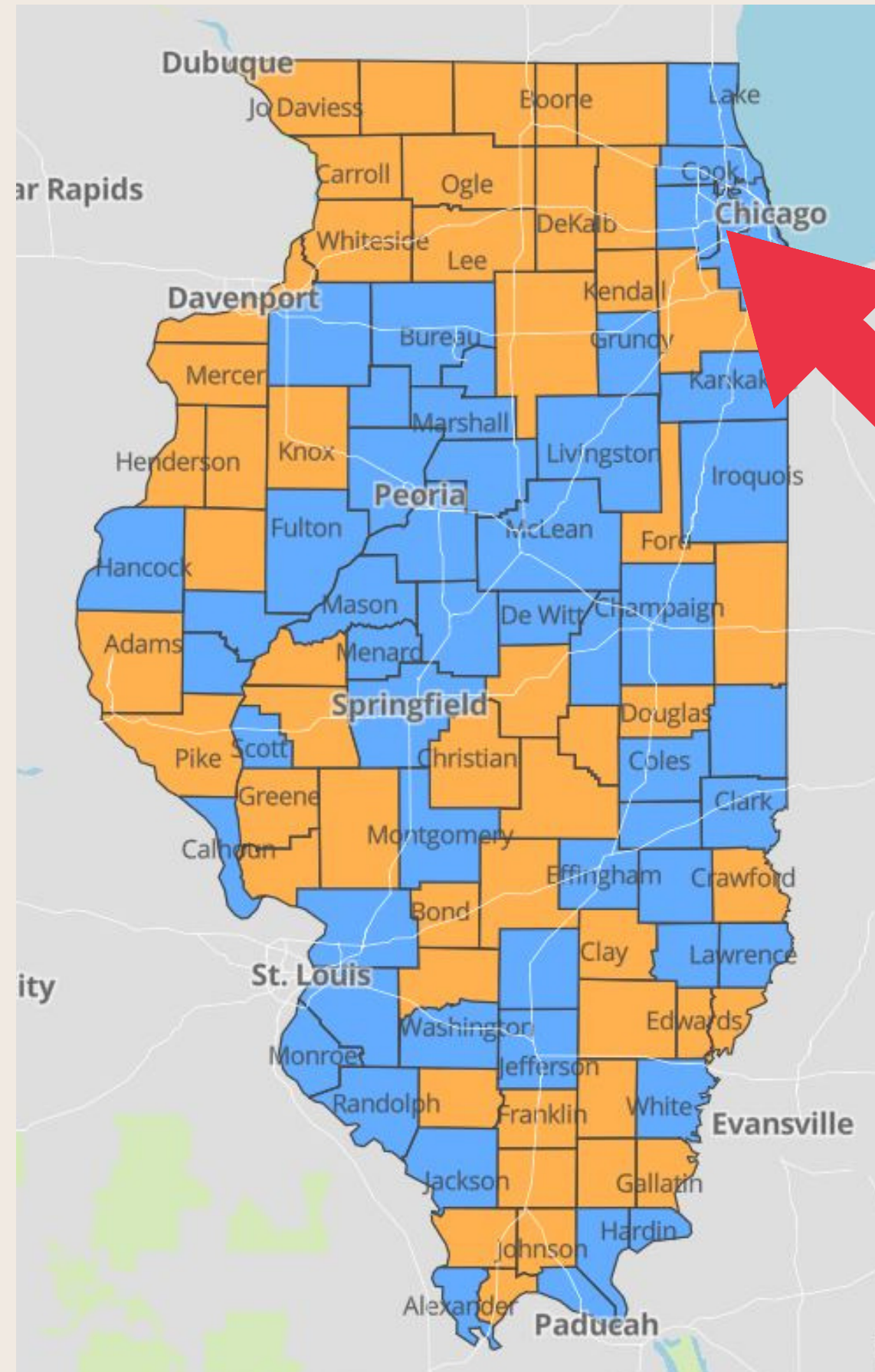
**10/11-10/17**



# IDPH Statewide Picture Week 42 (10/11-10/17)

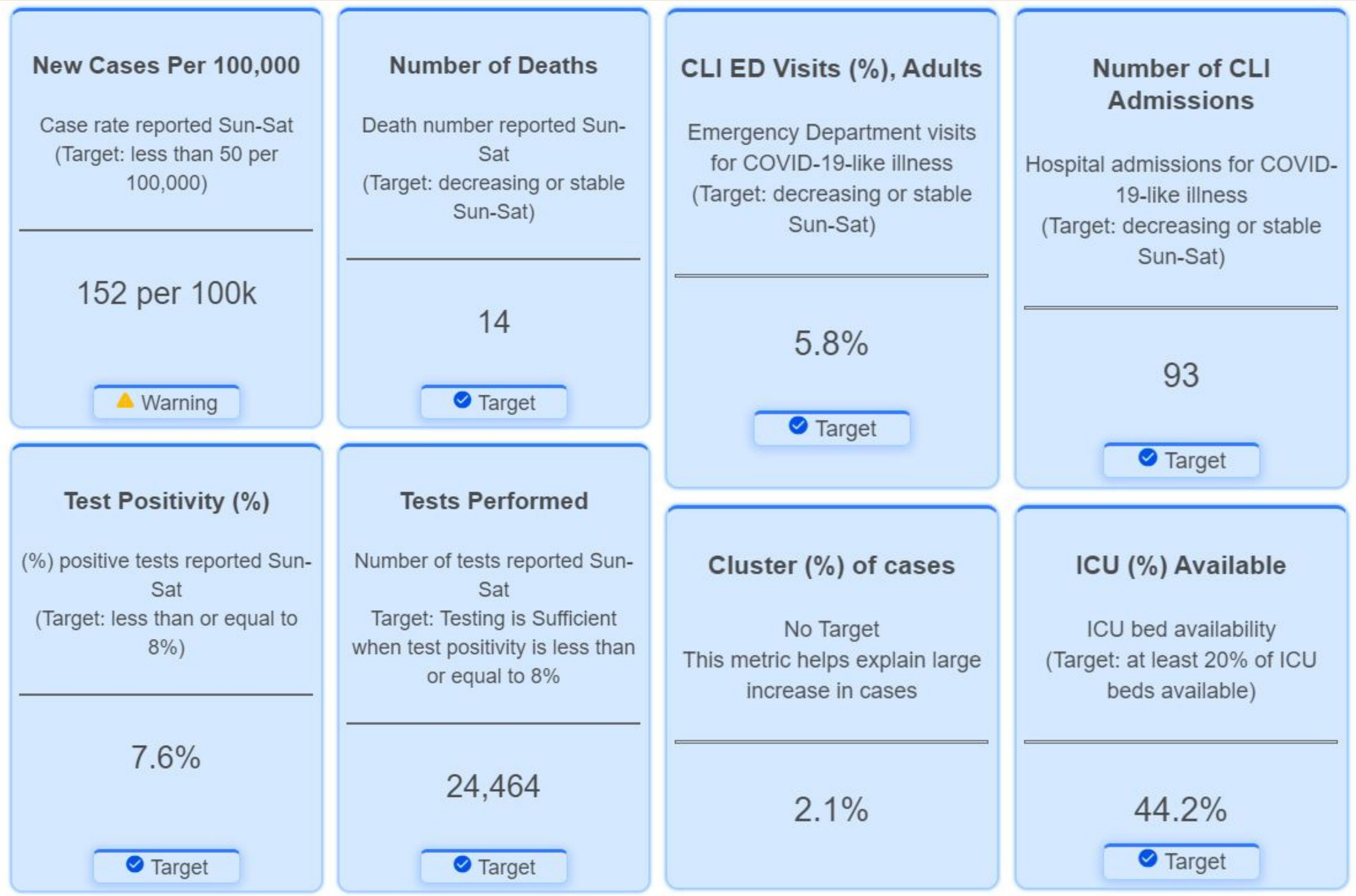
**Blue:** Stable COVID-19 metrics

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



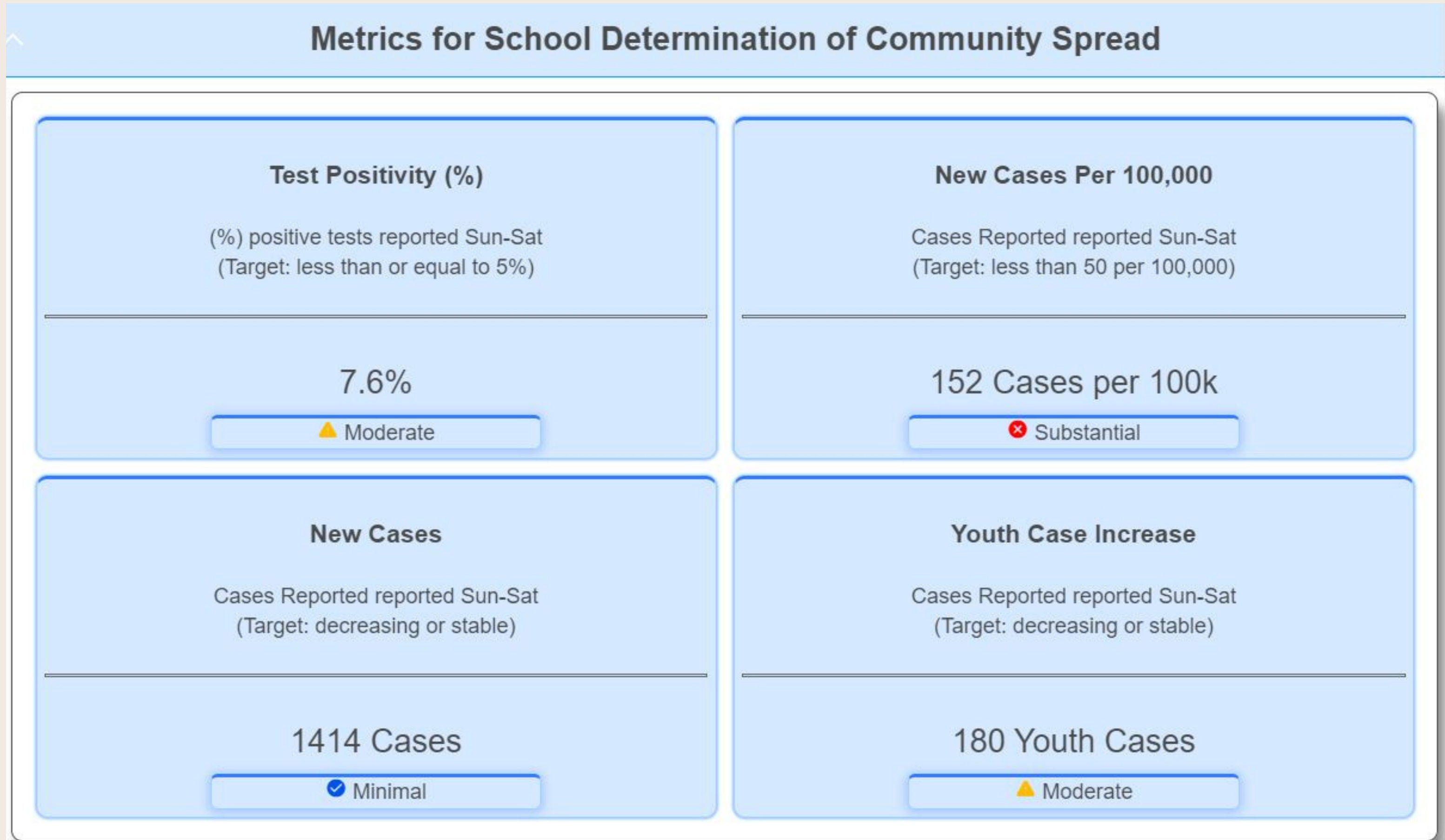
**DuPage County**

# IDPH County Level Metrics for DuPage Week 42 (10/11-10/17)





# IDPH COVID-19 School Metrics for DuPage Week 42 (10/11-10/17)


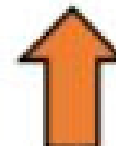
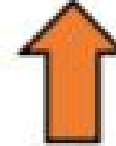
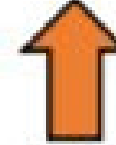
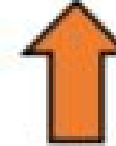




# DuPage County COVID-19 School Metrics<sup>1</sup>

DuPage County COVID-19 Community Transmission Level: **SUBSTANTIAL**

Week 42, 10/11/2020-10/17/2020

COVID-19 School Metric	Value	Trend	Community Transmission Level by Metric
<b>Illinois Department of Public Health (IDPH) County-Level Risk Metric Color</b> <small>Source: <a href="#">IDPH County Level COVID-19 Risk Metrics</a></small>	Alert for one metric but remained BLUE (IDPH-defined) at any point in the last 4 weeks <sup>2</sup>	Stable	Minimal
<b>New Cases per 100,000 per Week<sup>2</sup></b> <small>Source: <a href="#">IDPH County Level COVID-19 Risk Metrics</a></small>	152 per 100,000 per week	 <small>Up from 119 per 100,000 in Week 41</small>	Substantial
<b>Weekly Case Count Trend<sup>3</sup></b> <small>Source: <a href="#">IDPH COVID-19 County &amp; School Metrics</a></small>	Week 40 to Week 41 = +49.2% Week 41 to Week 42 = +28.4%		Substantial
<b>Weekly Youth (&lt;20 years old) Case Count Trend<sup>3</sup></b> <small>Source: <a href="#">IDPH COVID-19 County &amp; School Metrics</a></small>	Week 40 to Week 41 = +13.2% Week 41 to Week 42 = +31.4%		Moderate
<b>Weekly Test Positivity<sup>2</sup></b> <small>Source: <a href="#">IDPH COVID-19 County &amp; School Metrics</a></small>	7.6%	 <small>Up from 6.0% in Week 41</small>	Moderate
<b>Neighboring/Regional Indicator Level<sup>4</sup></b> <small>Source: <a href="#">IDPH County Level COVID-19 Risk Metrics</a></small>	Region 8 moved to Tier 1 mitigation		Substantial

**Trends to watch...**

**Local**



# Glen Ellyn School District 41

Data for 10/19-10/23

## Glen Ellyn School District 41 | Covid Dashboard

*Note: Data based on self-reported information for blended in-person students. Data for Week of 10/19 and 10/26 represent PreK-2 only*

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

Cumulative Totals	In-Person Blended Students in Attendance	PreK-2	PreK-2	PreK-8
	<i>Week of:</i>	<i>10/19 - 10/23</i>	<i>10/26 - 10/30</i>	<i>11/2 - 11/6</i>
1	Number of New COVID-19 Positive Students for the week	1		
	Number of students quarantined at home due to close contact with a positive case for the week as of Friday.	23		
1	Number of New COVID-19 Positive Staff for the week	1		
	Number of staff quarantined at home due to close contact with a positive case for the week as of Friday.	9		

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

Data for 10/28/2020 (7-day and 14-day rolling averages)

Data for 10/28/2020 (7-Day)

Rolling Average Number Tested per Day	<b>782.3</b>
Rolling Average Number of Positive COVID Tests per Day	<b>69.1</b>
Rolling Average COVID Positivity Rate	<b>8.84 %</b>
Number of new cases (7-day) per 100,000 population	<b>244.9</b>

Data for 10/28/2020 (14-Day)

Rolling Average COVID Positivity Rate	<b>7.70 %</b>
Number of new cases (14-day) per 100,000 population*	<b>442.2</b>

\*Update - 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)

Over the Last Week:

	10/21/2020	10/22/2020	10/23/2020	10/24/2020	10/25/2020	10/26/2020	10/27/2020
Tests per Day*	<b>838.9</b>	<b>841.3</b>	<b>831.9</b>	<b>960.9</b>	<b>817.6</b>	<b>813.7</b>	<b>791.6</b>
Cases per Day*	<b>55.7</b>	<b>57.4</b>	<b>54.4</b>	<b>68.7</b>	<b>62.7</b>	<b>67.9</b>	<b>67.4</b>
Positivity Rate*	<b>6.64 %</b>	<b>6.83 %</b>	<b>6.54 %</b>	<b>7.15 %</b>	<b>7.67 %</b>	<b>8.34 %</b>	<b>8.52 %</b>
Number of new cases (7-day) per 100,000 population	<b>197.3</b>	<b>203.4</b>	<b>192.8</b>	<b>243.3</b>	<b>222.1</b>	<b>240.3</b>	<b>238.8</b>

\* Calculated as 7-day rolling averages

**DuPage County**



# DuPage County School Absenteeism Covid-like Illness

Week 42: 10/11-10/17

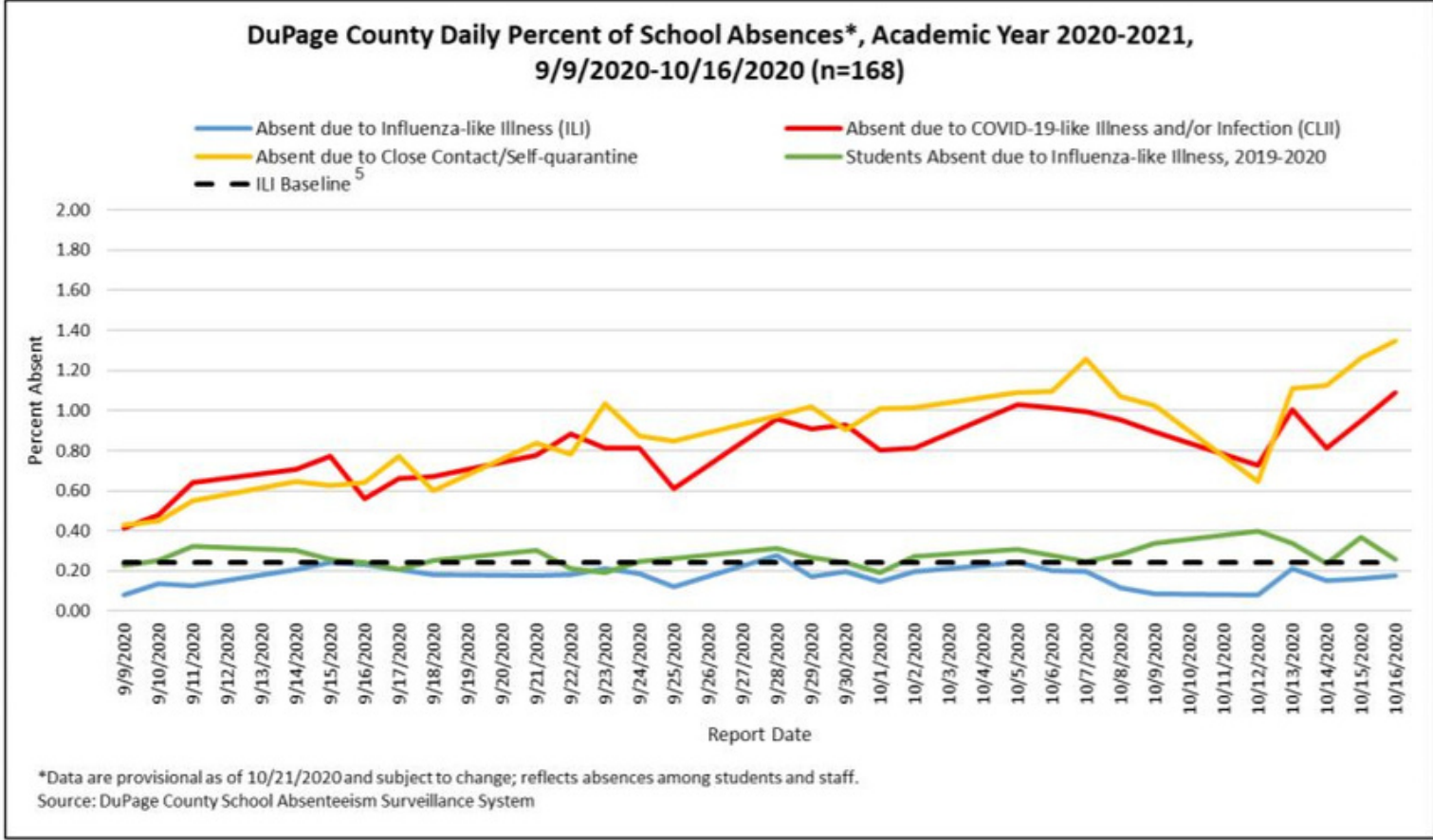
### School Absenteeism

DuPage County Health Department received absenteeism reports from **152 schools (38.8% of 392 public and private schools)** with in-person attendance by students or staff during **Week 42**.

Data are collected on absences due to influenza-like illness (ILI), COVID-19-like illness and/or infection (CLII), close contact/self-quarantine, other (non-illness/non-quarantine), unknown reasons, in-school presentation of illness, and total illness among students and staff.

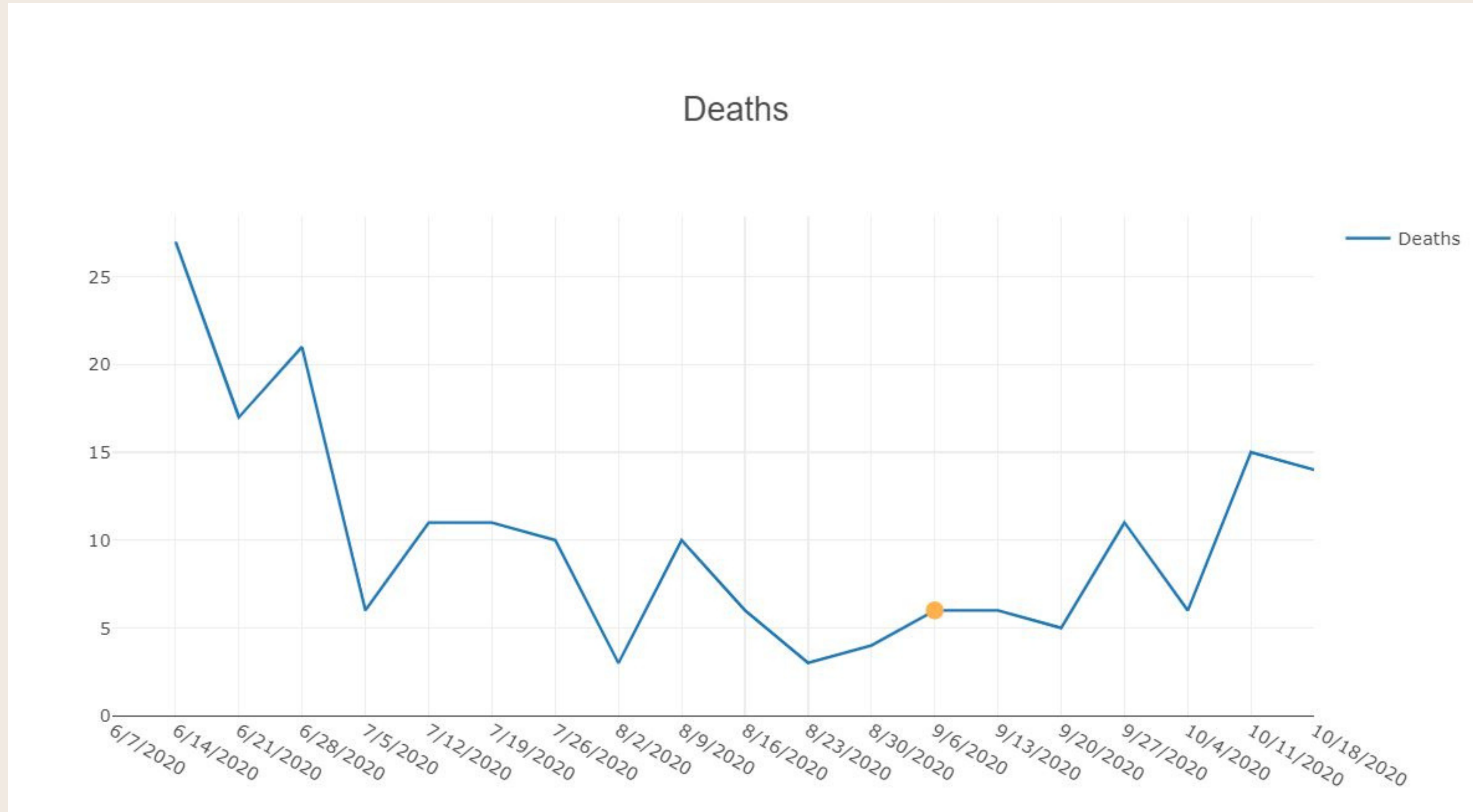
For **Week 42**, the overall school absenteeism rate due to:

- ILI was **1.73 per 1,000 students and staff** (ILI baseline: 2.37 per 1,000 students)
- CLII was **9.56 per 1,000 students and staff** (ILI baseline: 2.37 per 1,000 students)

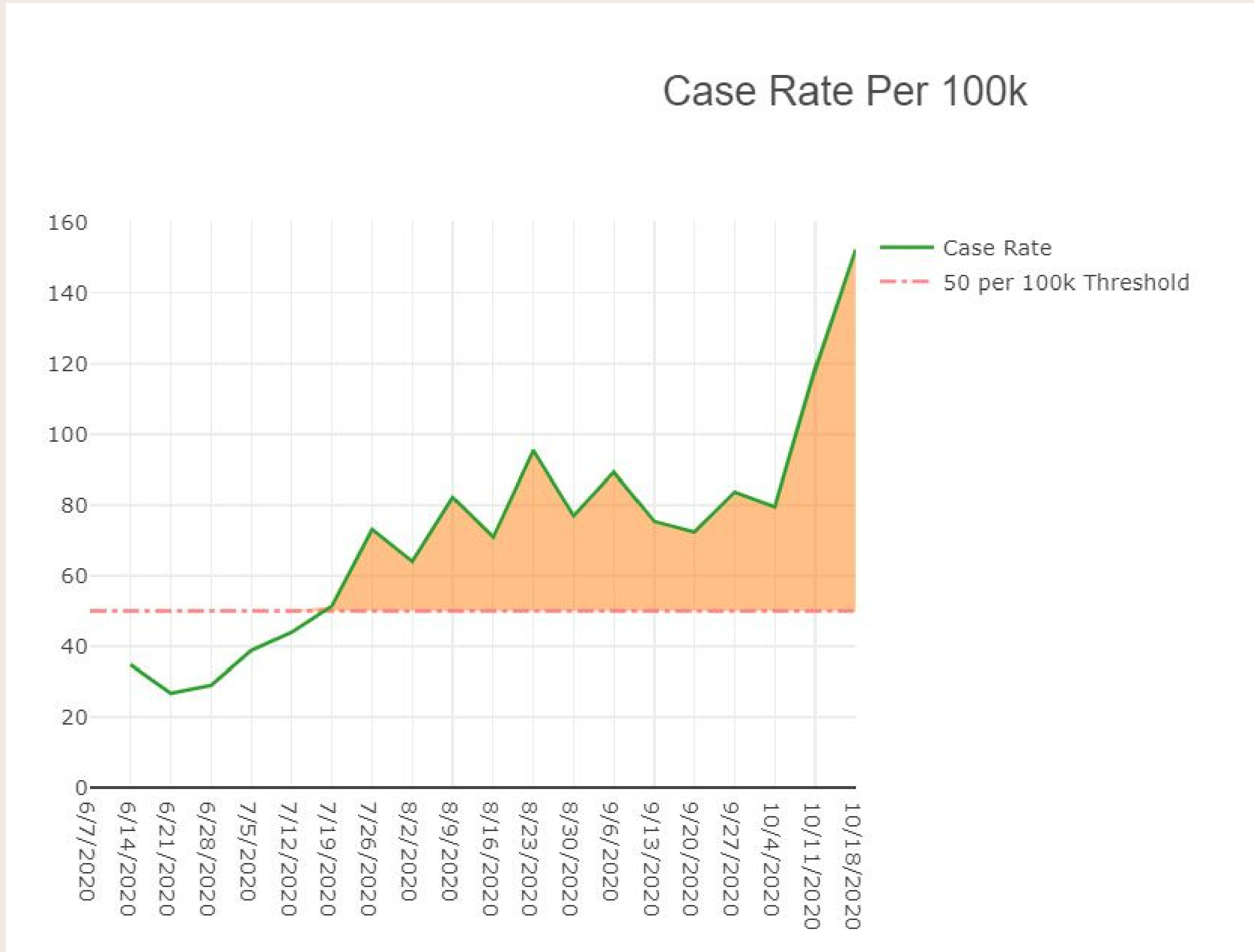


\*Data are provisional as of 10/21/2020 and subject to change; reflects absences among students and staff. Source: DuPage County School Absenteeism Surveillance System

# DuPage County Number of Deaths



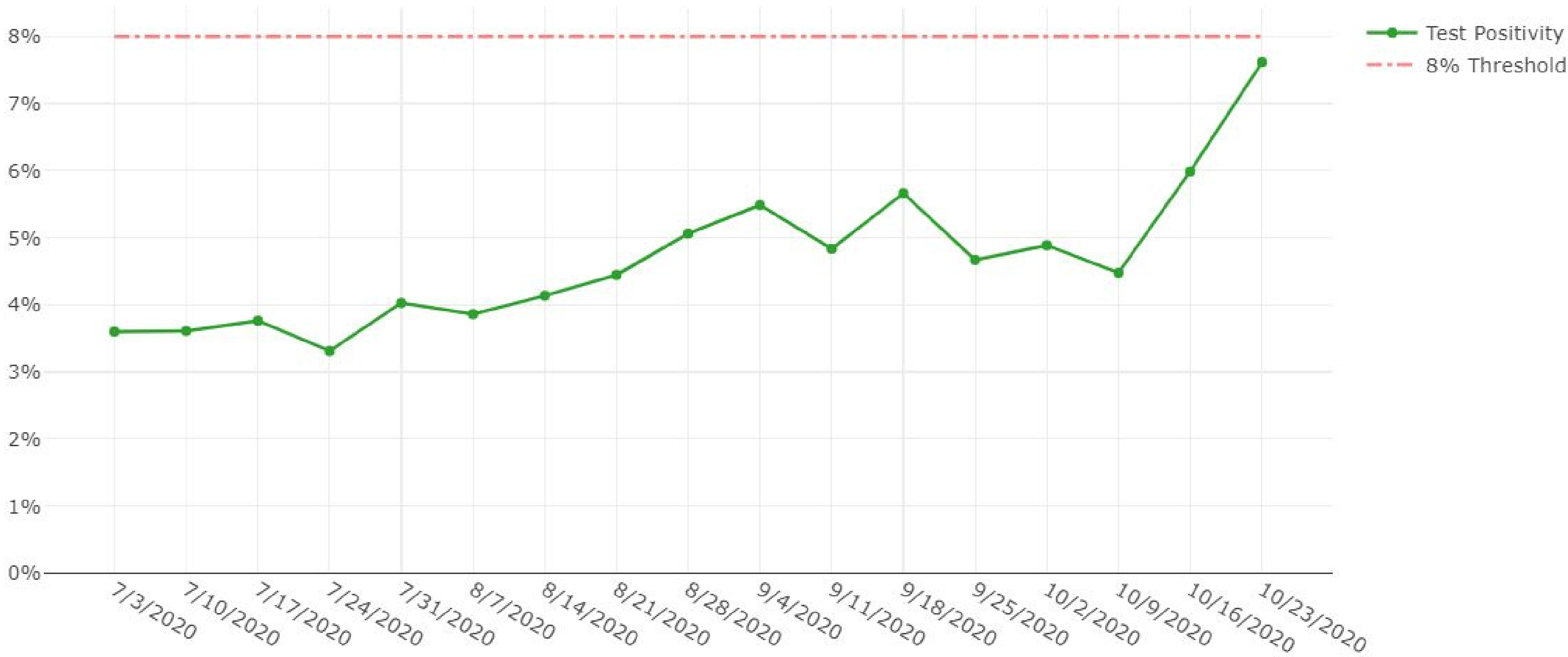
# DuPage County Case Rate per 100,000





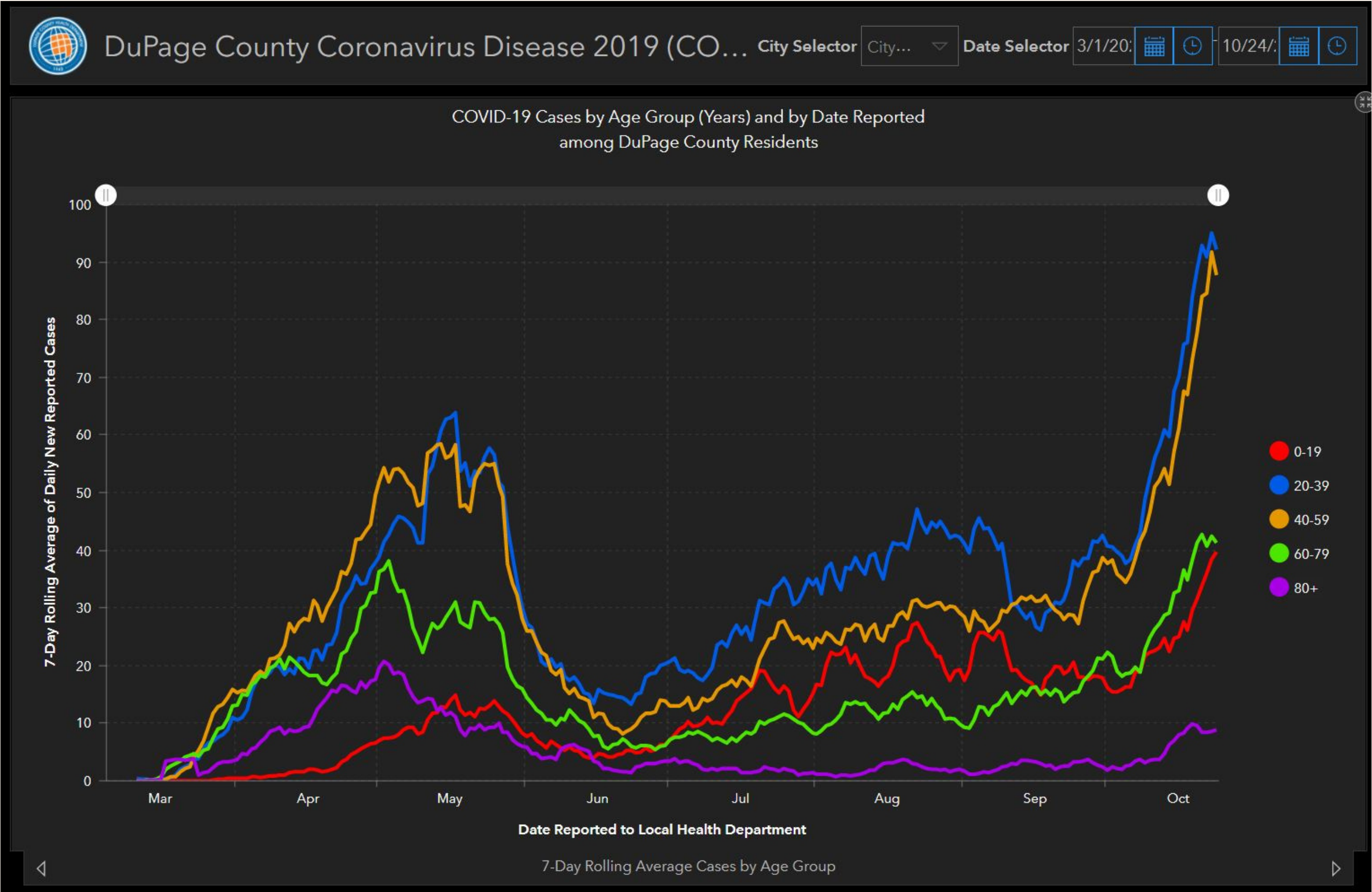
# DuPage County Test Positivity

Test Positivity



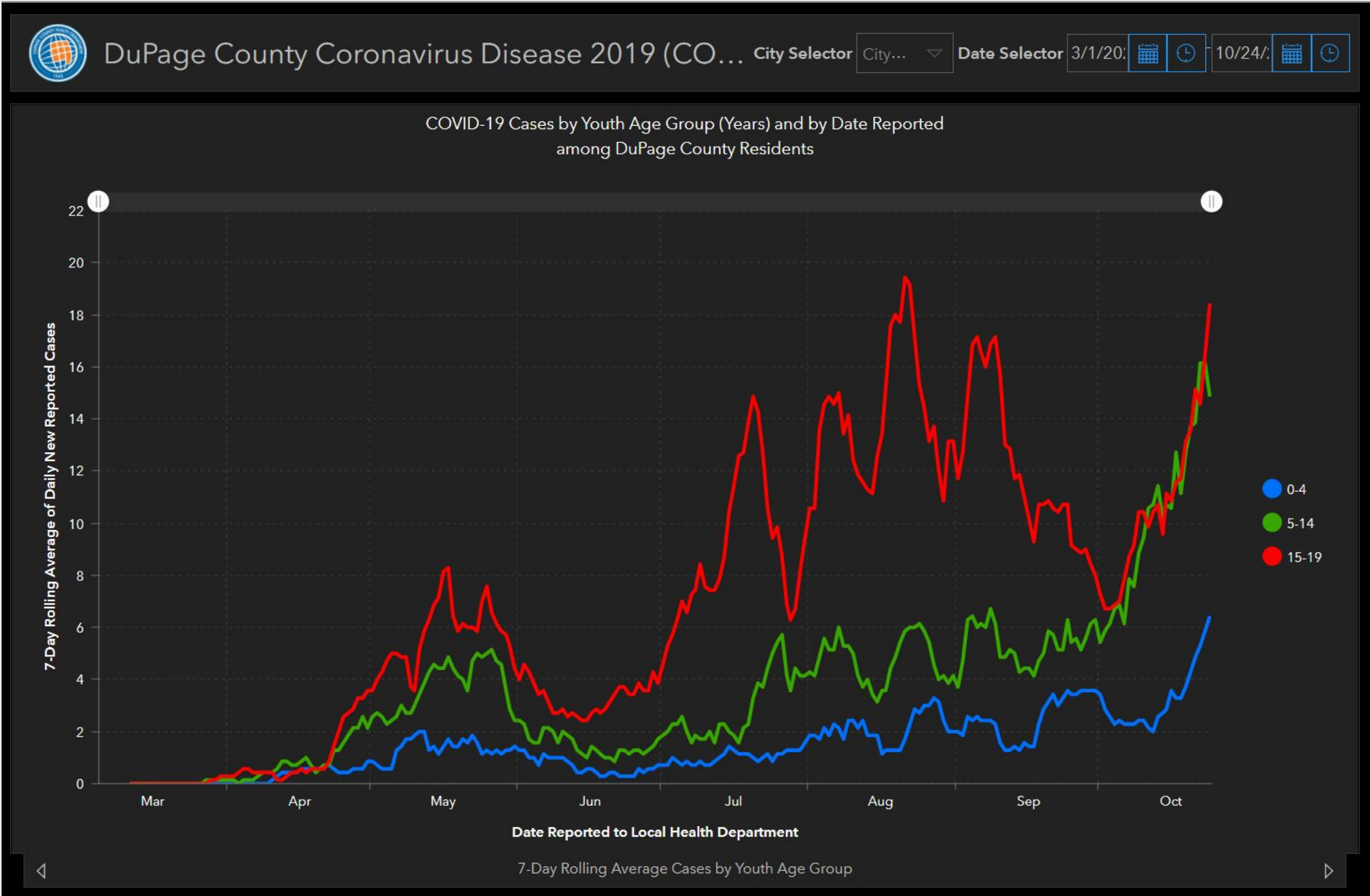
# DuPage County Cases by Age Group

7-day rolling average of cases through 10/24/2020



# DuPage County Cases by Youth Age Group

7-day rolling average of cases through 10/24/2020



**IDPH Region 8:**

**DuPage and Kane County**



# IDPH Region 8 Percent Positivity and Hospitalization

As of October 28, 2020

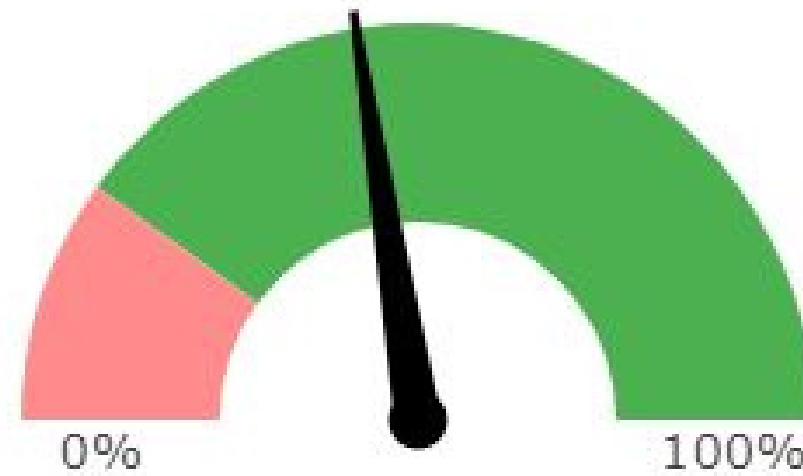
## Hospital Availability 3 Day Rolling Average

Med Surg Bed Availability  
(20% threshold)

ICU Bed Availability  
(20% threshold)



28%



44%

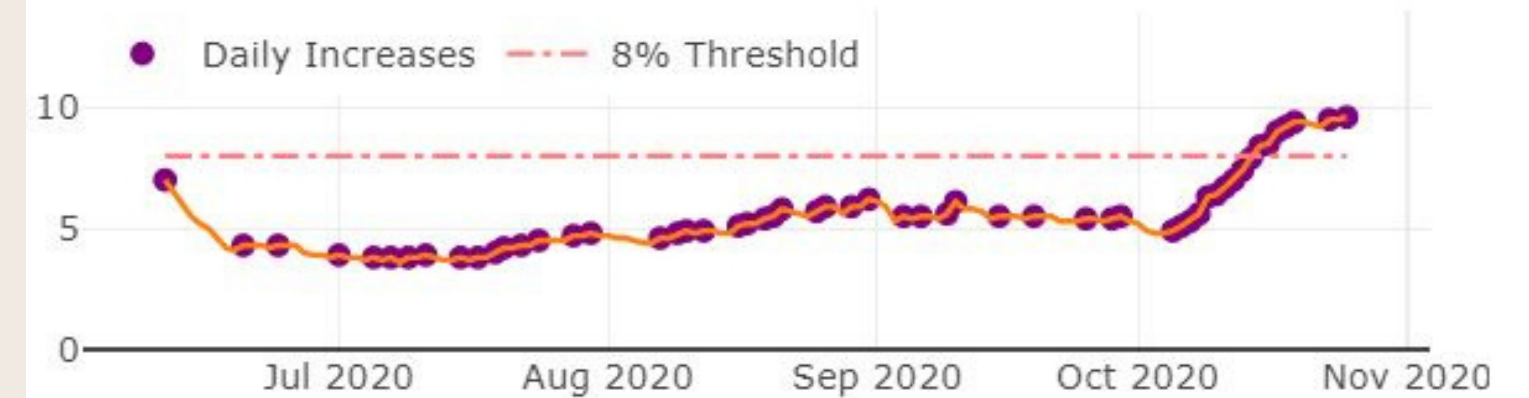
All Time

Last 30 Days

Last 10 Days

## Test Positivity 7 Day Rolling Average

55 Days of Positivity Increases



## Hospital Admissions 7 Day Rolling Average

46 Days of Hospital Admission Increases



# IDPH Region 8 Testing Data

## Region 8 Test Positivity

Date	Positive Tests	Total Tested	Daily Test Positivity	Test Positivity 7-Day Rolling Avg
10/15/2020	653	7,060	9.2	8.4
10/16/2020	500	6,119	8.2	8.5
10/17/2020	709	7,503	9.4	9
10/18/2020	405	4,366	9.3	9.2
10/19/2020	520	4,821	10.8	9.4
10/20/2020	490	4,825	10.2	9.4
10/21/2020	542	6,207	8.7	9.3
10/22/2020	608	7,007	8.7	9.2
10/23/2020	706	7,316	9.7	9.5
10/24/2020	585	6,088	9.6	9.5
10/25/2020	543	5,438	10.0	9.6