

# STATE OF THE METRICS

## Glen Ellyn School District 41

October 12, 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>		

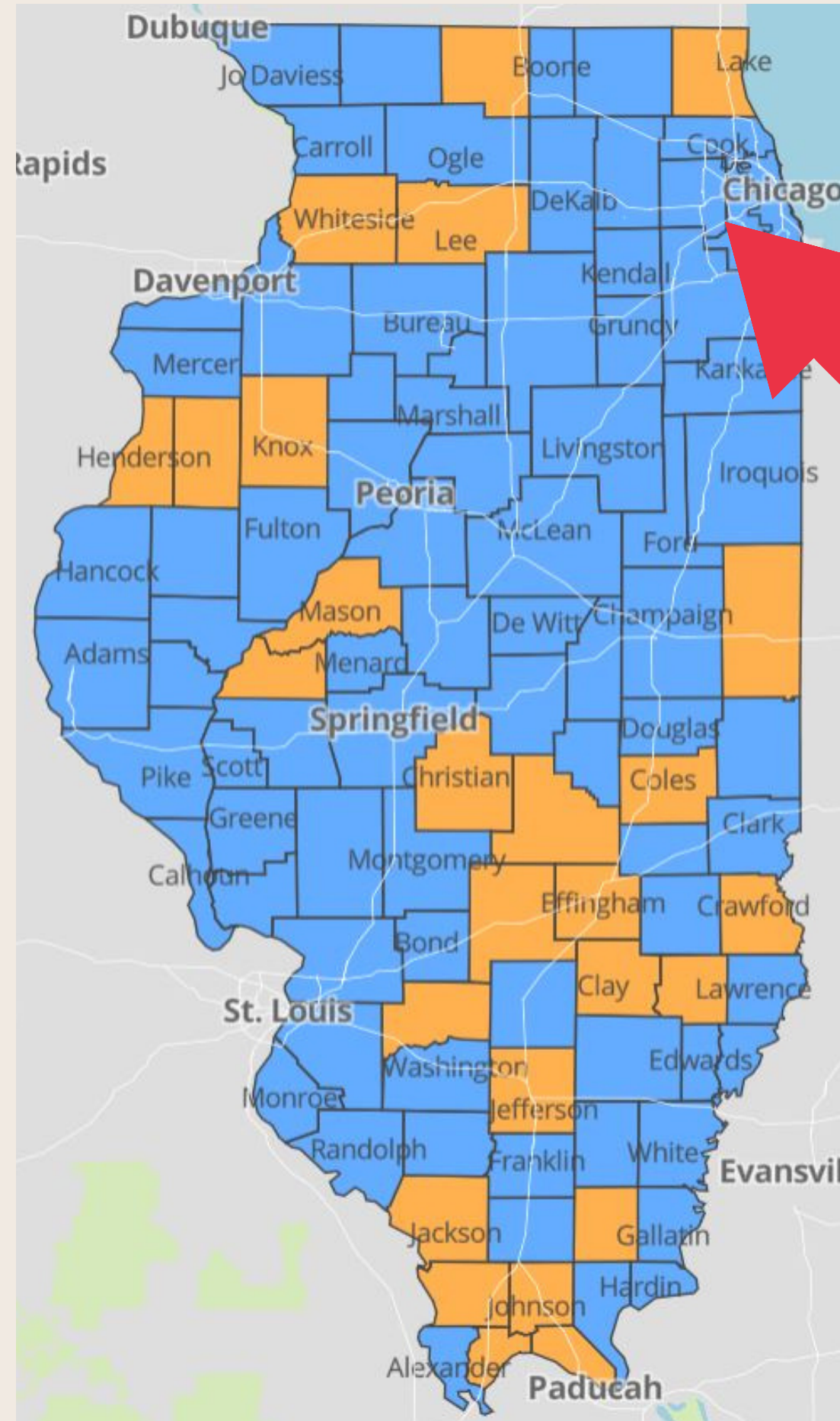
# **Week 40 Metrics**

**9/27-10/3**

# IDPH Statewide Picture Week 40 (9/27-10/3)

**Blue:** Stable COVID-19 metrics

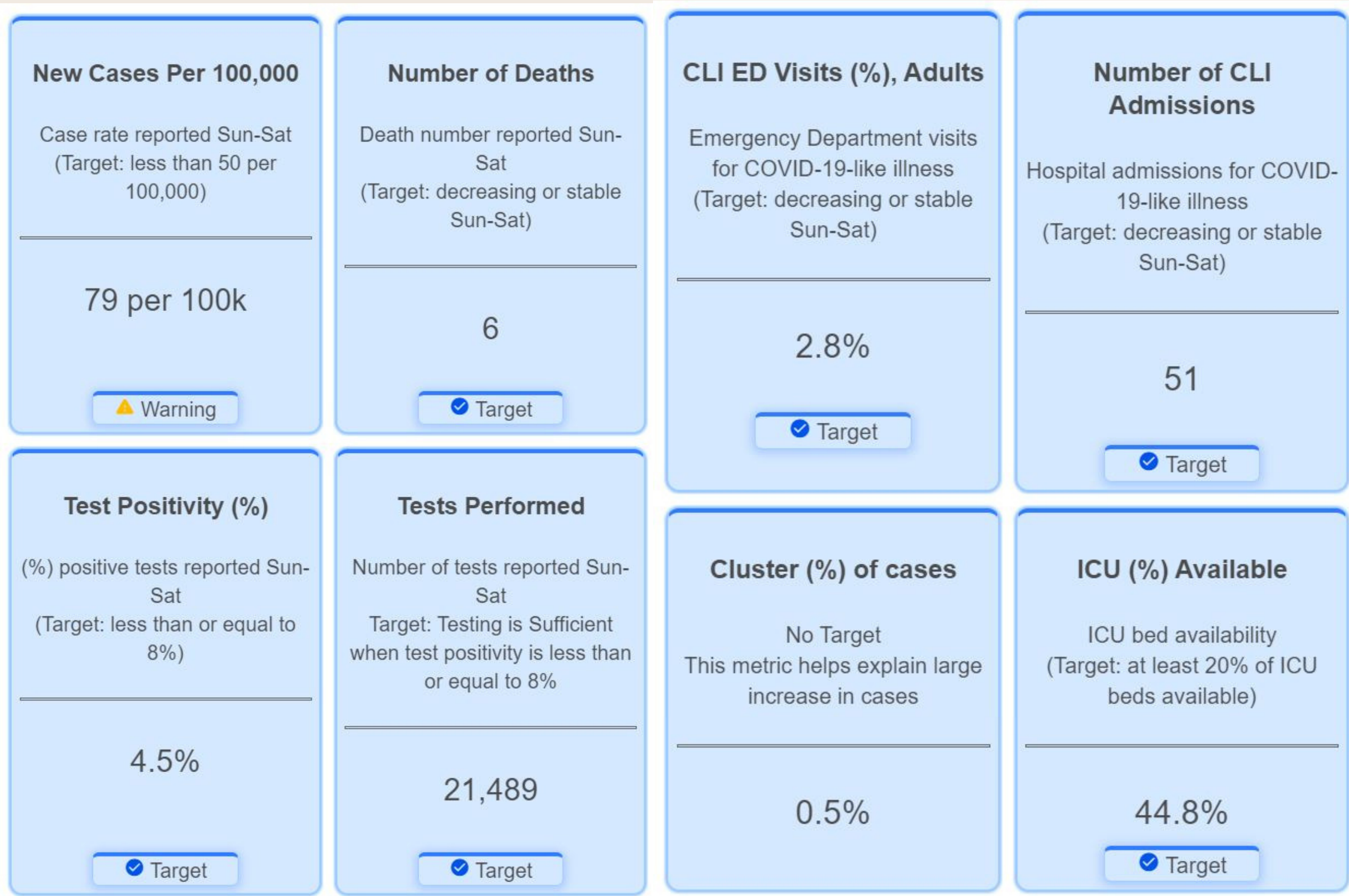
**Orange:** Warning signs of increased COVID-19 metrics



**DuPage County**



# IDPH County Level Metrics for DuPage Week 40 (9/27-10/3)



# IDPH COVID-19 School Metrics for DuPage Week 40 (9/27-10/3)

## Metrics for School Determination of Community Spread

### Test Positivity (%)

(%) positive tests reported Sun-Sat  
(Target: less than or equal to 5%)

4.5%

✓ Minimal

### New Cases Per 100,000

Cases Reported reported Sun-Sat  
(Target: less than 50 per 100,000)

79 Cases per 100k

⚠ Moderate

### New Cases

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

738 Cases

✓ Minimal

### Youth Case Increase

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






121 Youth Cases

✓ Minimal

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

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

Week 40, 9/27/2020-10/3/2020

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>	Transitioned to ORANGE (IDPH-defined) once in the last 4 weeks <sup>2</sup>	Stable	Moderate
<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>	79 per 100,000 per week	 <small>Down from 84 per 100,000 in Week 39</small>	Moderate
<b>Weekly Case Count Trend<sup>3,4</sup></b> <small>Source: Illinois-National Electronic Disease Surveillance System (I-NEDSS)</small>	Week 38 to Week 39 = +11.4% Week 39 to Week 40 = +3.0%		<i>Criteria for increase for two consecutive weeks were not met.</i>
<b>Weekly Youth (&lt;20 years old) Case Count Trend<sup>3,4</sup></b> <small>Source: I-NEDSS</small>	Week 38 to Week 39 = -4.5% Week 39 to Week 40 = -16.4%		<i>Criteria for increase for two consecutive weeks were not met.</i>
<b>Weekly Test Positivity<sup>2</sup></b> <small>Source: <a href="#">IDPH COVID-19 County &amp; School Metrics</a></small>	4.5%	 <small>Down from 4.9% in Week 39</small>	Minimal
<b>Neighboring/Regional Indicator Level<sup>5</sup></b> <small>Source: <a href="#">IDPH County Level COVID-19 Risk Metrics</a></small>	No county in orange this week or in the past 4 weeks		<i>Criteria were not met.</i>

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

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

Rolling Average Number Tested per Day	672.1	<p style="text-align: center;"><b>Data for 10/10/2020 (14-Day)</b></p>			
Rolling Average Number of Positive COVID Tests per Day	34.3				
Rolling Average COVID Positivity Rate	5.10 %			Rolling Average COVID Positivity Rate	4.27 %
Number of new cases (7-day) per 100,000 population	121.4			Number of new cases (14-day) per 100,000 population*	198.8

\*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:

	10/3/2020	10/4/2020	10/5/2020	10/6/2020	10/7/2020	10/8/2020	10/9/2020
Tests per Day*	641.3	666.7	666.9	664.9	663.4	678.4	669.9
Cases per Day*	21.9	23.7	23.0	25.0	26.0	29.0	31.1
Positivity Rate*	3.41 %	3.56 %	3.45 %	3.76 %	3.92 %	4.27 %	4.65 %
Number of new cases (7-day) per 100,000 population	77.4	84.0	81.5	88.5	92.1	102.7	110.3

\* Calculated as 7-day rolling averages

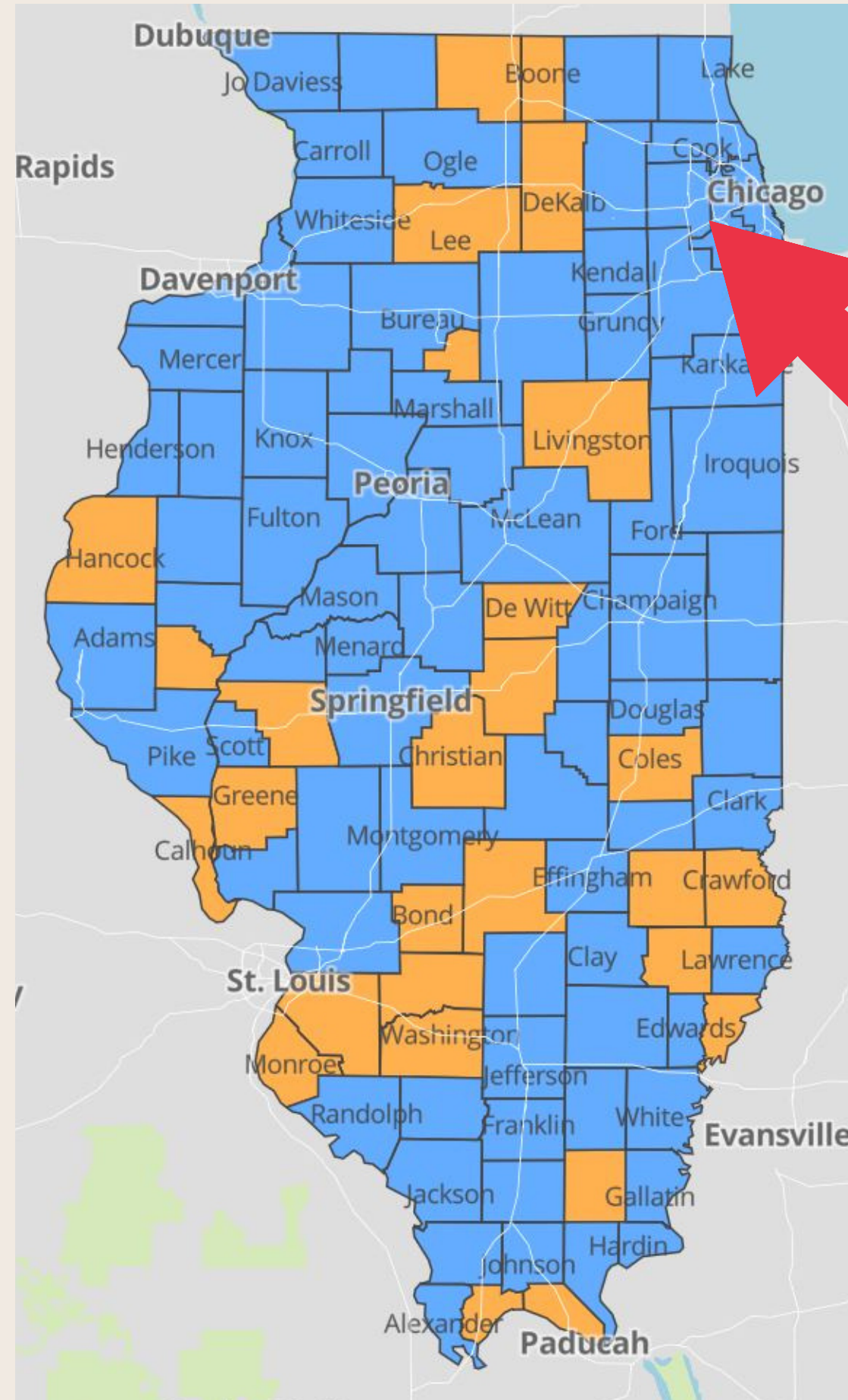
# **Week 39 Metrics**

**9/20-9/26**

# IDPH Statewide Picture Week 39 (9/20-9/26)

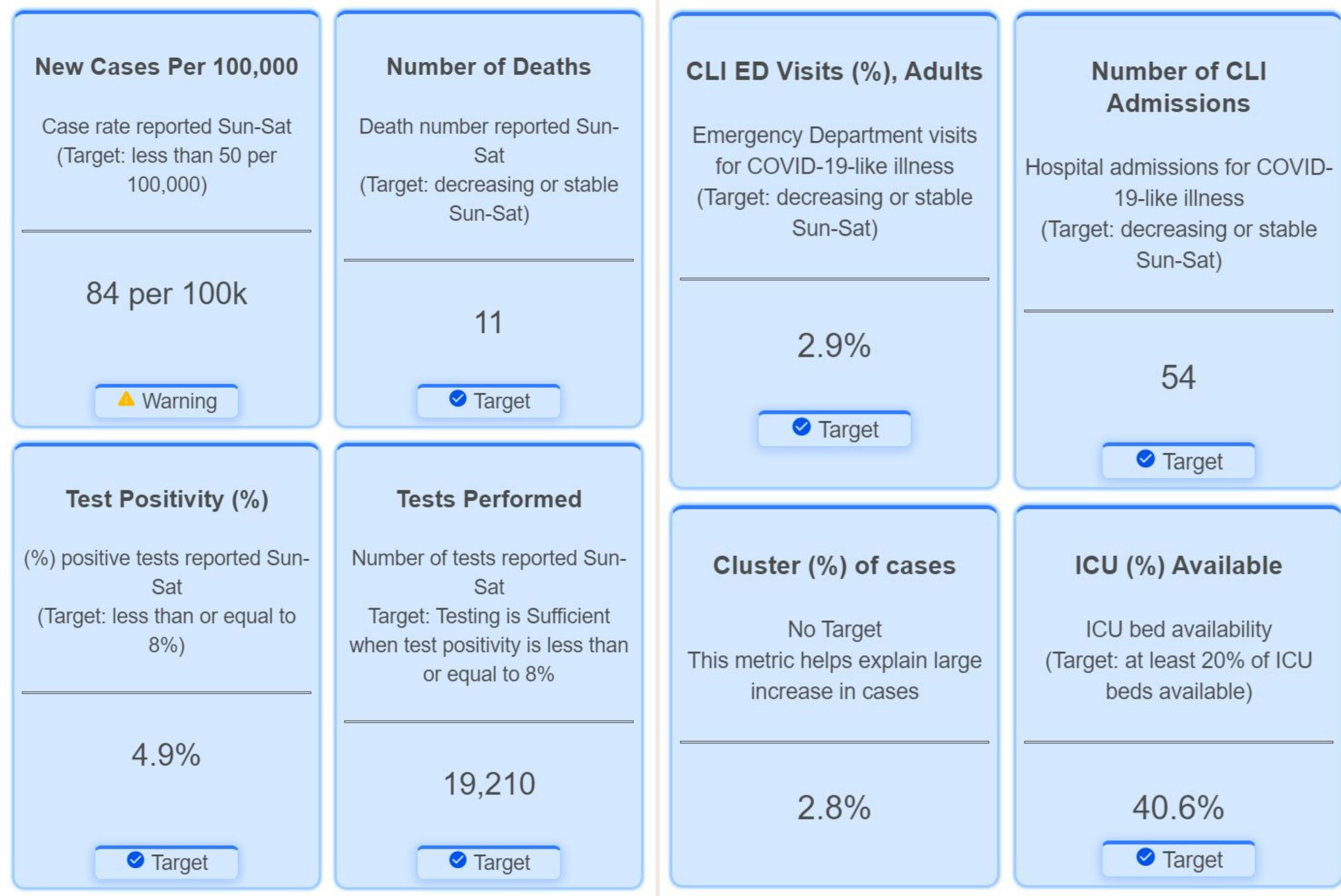
**Blue:** Stable COVID-19 metrics

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



**DuPage County**

# IDPH County Level Metrics for DuPage Week 39 (9/20-9/26)



# IDPH COVID-19 School Metrics for DuPage Week 39 (9/20-9/26)

## Metrics for School Determination of Community Spread

### Test Positivity (%)

(%) positive tests reported Sun-Sat  
(Target: less than or equal to 5%)

4.9%

✓ Minimal

### New Cases Per 100,000

Cases Reported reported Sun-Sat  
(Target: less than 50 per 100,000)

84 Cases per 100k

⚠ Moderate

### New Cases

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

777 Cases

✓ Minimal

### Youth Case Increase

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

129 Youth Cases






✓ Minimal



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

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

Week 39, 9/20/2020-9/26/2020

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>	Transitioned to ORANGE (IDPH-defined) once in the last 4 weeks <sup>2</sup>	Stable	Moderate
<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>	84 per 100,000 per week	 <small>Up from 72 per 100,000 in Week 38</small>	Moderate
<b>Weekly Case Count Trend<sup>3,4</sup></b> <small>Source: Illinois-National Electronic Disease Surveillance System (I-NEDSS)</small>	Week 37 to Week 38 = -1.7% Week 38 to Week 39 = +11.4%		<i>Criteria for increase for two consecutive weeks were not met.</i>
<b>Weekly Youth (&lt;20 years old) Case Count Trend<sup>3,4</sup></b> <small>Source: I-NEDSS</small>	Week 37 to Week 38 = -5.6% Week 38 to Week 39 = -4.5%		<i>Criteria for increase for two consecutive weeks were not met.</i>
<b>Weekly Test Positivity<sup>2</sup></b> <small>Source: <a href="#">IDPH COVID-19 County &amp; School Metrics</a></small>	4.9%	 <small>Up from 4.7 % in Week 38</small>	Minimal
<b>Neighboring/Regional Indicator Level<sup>5</sup></b> <small>Source: <a href="#">IDPH County Level COVID-19 Risk Metrics</a></small>	No county in orange this week but orange in the past 4 weeks		Minimal

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

Data for 10/5/2020 (7-Day)

Rolling Average Number Tested per Day	666.9
Rolling Average Number of Positive COVID Tests per Day	23.0
Rolling Average COVID Positivity Rate	3.45 %
Weekly New Case Rate per 100,000 population	81.5

Data for 10/5/2020 (14-Day)

Rolling Average COVID Positivity Rate	3.42 %
Weekly New Case Rate per 100,000 population	76.4

Over the Last Week:

	9/28/2020	9/29/2020	9/30/2020	10/1/2020	10/2/2020	10/3/2020	10/4/2020
Tests per Day*	594.9	601.0	581.3	641.0	634.3	641.3	666.7
Cases per Day*	20.1	20.4	21.7	23.3	22.3	21.9	23.7
Positivity Rate*	3.39 %	3.40 %	3.74 %	3.63 %	3.51 %	3.41 %	3.56 %
Weekly New Case Rate per 100,000 population	71.3	72.3	76.9	82.5	78.9	77.4	84.0

\* Calculated as 7-day rolling averages

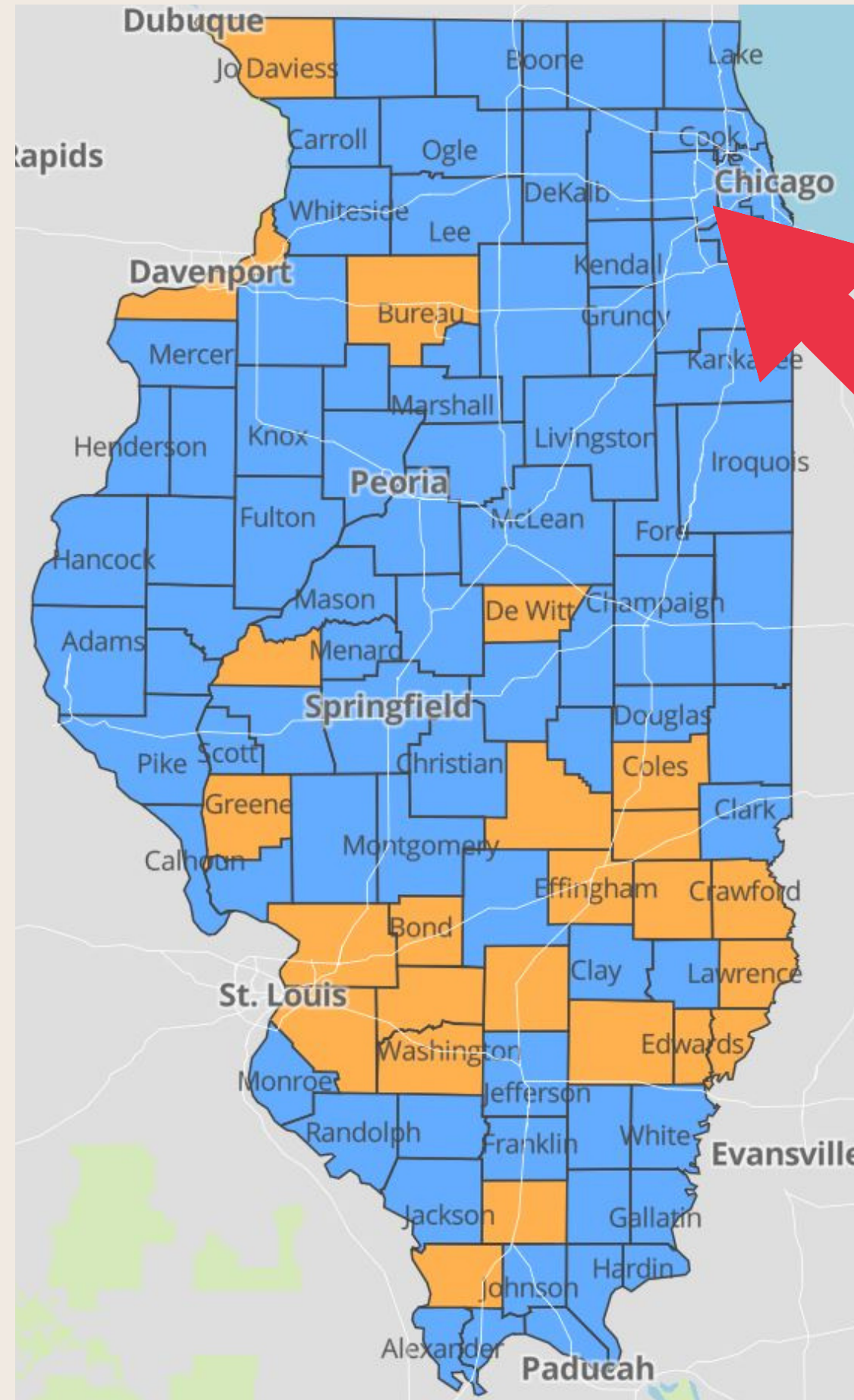
# **Week 38 Metrics**

**9/13-9/19**

# IDPH Statewide Picture Week 38 (9/13-9/19)

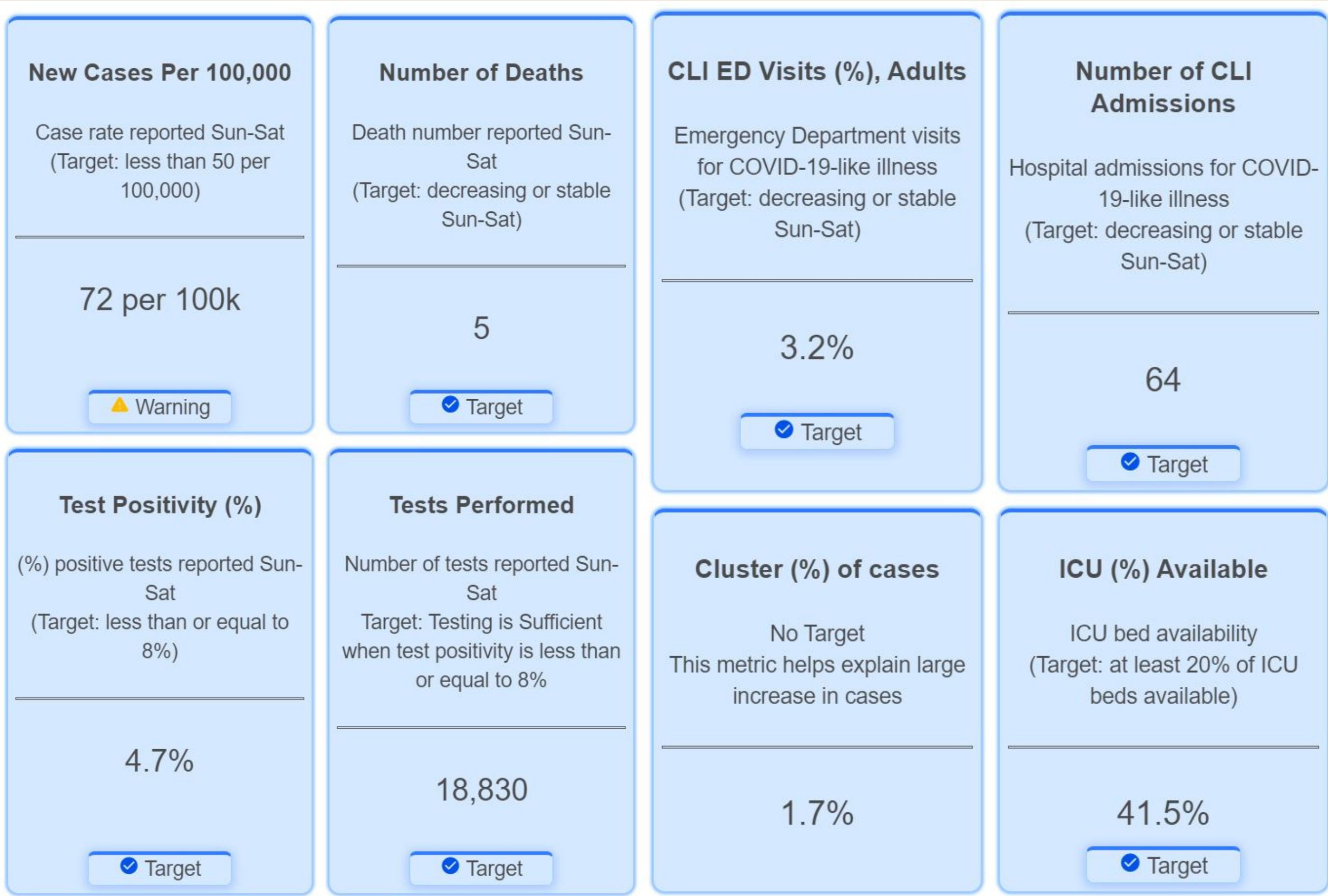
**Blue:** Stable COVID-19 metrics

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



**DuPage County**

# IDPH County Level Metrics for DuPage Week 38 (9/13-9/19)



# IDPH COVID-19 School Metrics for DuPage Week 38 (9/13-9/19)

## Metrics for School Determination of Community Spread

### Test Positivity (%)

(%) positive tests reported Sun-Sat  
(Target: less than or equal to 5%)

4.7%

✓ Minimal

### New Cases Per 100,000

Cases Reported reported Sun-Sat  
(Target: less than 50 per 100,000)

72 Cases per 100k

▲ Moderate

### New Cases

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

672 Cases

✓ Minimal

### Youth Case Increase

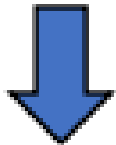




Cases Reported reported Sun-Sat  
(Target: decreasing or stable)

143 Youth Cases

✓ Minimal

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

DuPage County COVID-19 Community Transmission Level: **MODERATE**  
 Week 38, 9/13/2020-9/19/2020

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>	Transitioned to ORANGE (IDPH-defined) once in the last 4 weeks <sup>2</sup>	Stable	Moderate
<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>	72 per 100,000 per week	 <small>Down from 75 per 100,000 in Week 37</small>	Moderate
<b>Weekly Case Count Trend<sup>3,4</sup></b> <small>Source: Illinois-National Electronic Disease Surveillance System (I-NEDSS)</small>	Week 36 to Week 37 = -12.9% Week 37 to Week 38 = -1.7%		<i>Criteria for increase for two consecutive weeks were not met.</i>
<b>Weekly Youth (&lt;20 years old) Case Count Trend<sup>3,4</sup></b> <small>Source: I-NEDSS</small>	Week 36 to Week 37 = -24.5% Week 37 to Week 38 = -5.6%		<i>Criteria for increase for two consecutive weeks were not met.</i>
<b>Weekly Test Positivity<sup>2</sup></b> <small>Source: <a href="#">IDPH COVID-19 County &amp; School Metrics</a></small>	4.7%	 <small>Down from 5.7% in Week 37</small>	Minimal
<b>Neighboring/Regional Indicator Level<sup>5</sup></b> <small>Source: <a href="#">IDPH County Level COVID-19 Risk Metrics</a></small>	No county in orange this week but orange in the past 4 weeks		Minimal

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

Data for 9/28/2020 (7-Day)

Rolling Average Number Tested per Day	536.4
Rolling Average Number of Positive COVID Tests per Day	20.7
Rolling Average COVID Positivity Rate	3.86 %
Weekly New Case Rate per 100,000 population	73.4

Data for 9/28/2020 (14-Day)

Rolling Average COVID Positivity Rate	3.57 %
Weekly New Case Rate per 100,000 population	67.8

Over the Last Week:

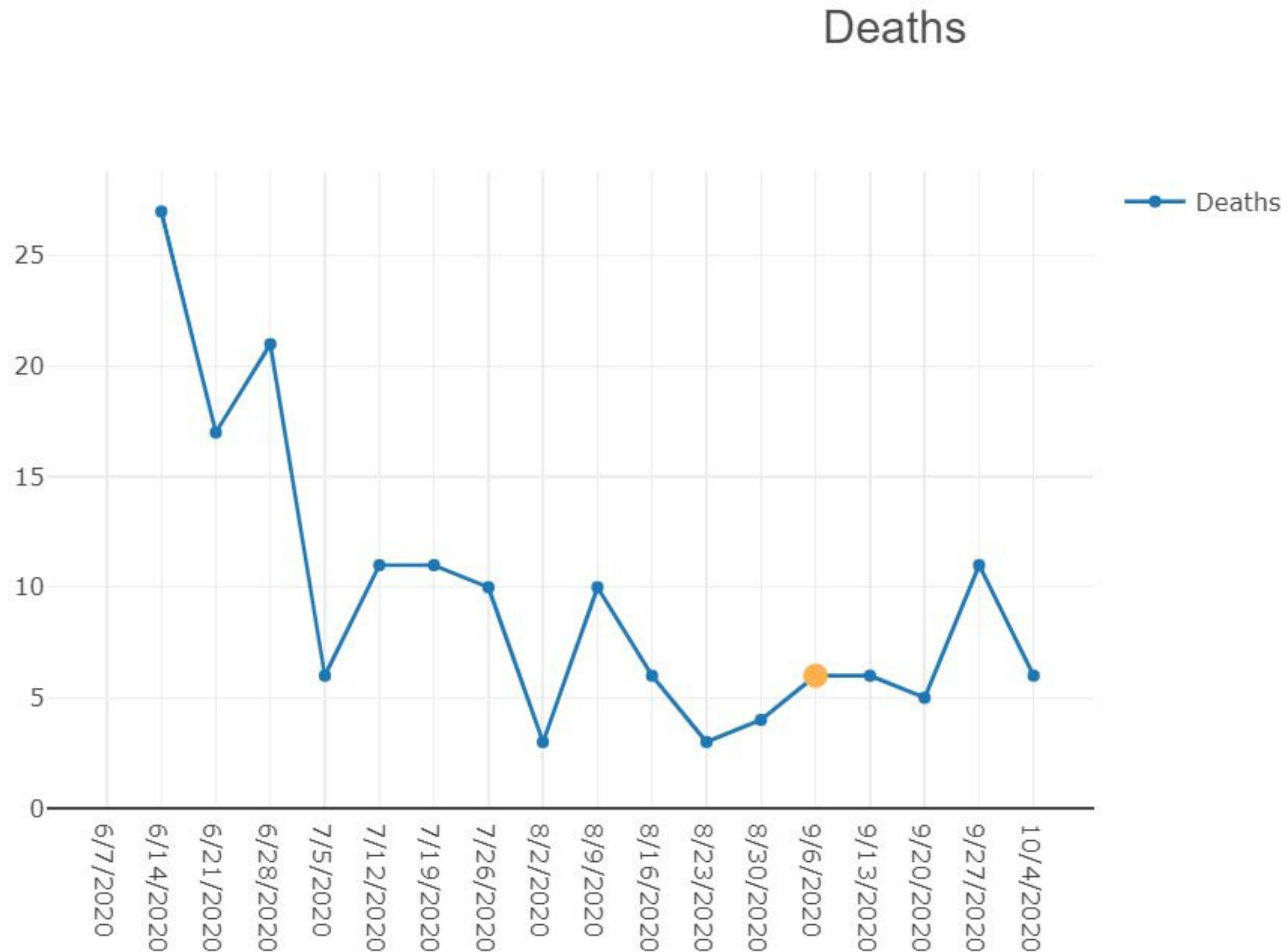
	9/21/2020	9/22/2020	9/23/2020	9/24/2020	9/25/2020	9/26/2020	9/27/2020
Tests per Day*	537.4	537.6	533.4	543.6	537.4	533.6	513.4
Cases per Day*	17.6	17.7	16.6	18.9	20.9	19.9	19.1
Positivity Rate*	3.27 %	3.30 %	3.11 %	3.47 %	3.88 %	3.72 %	3.73 %
Weekly New Case Rate per 100,000 population	62.3	62.8	58.7	66.8	73.9	70.4	67.8

\* Calculated as 7-day rolling averages

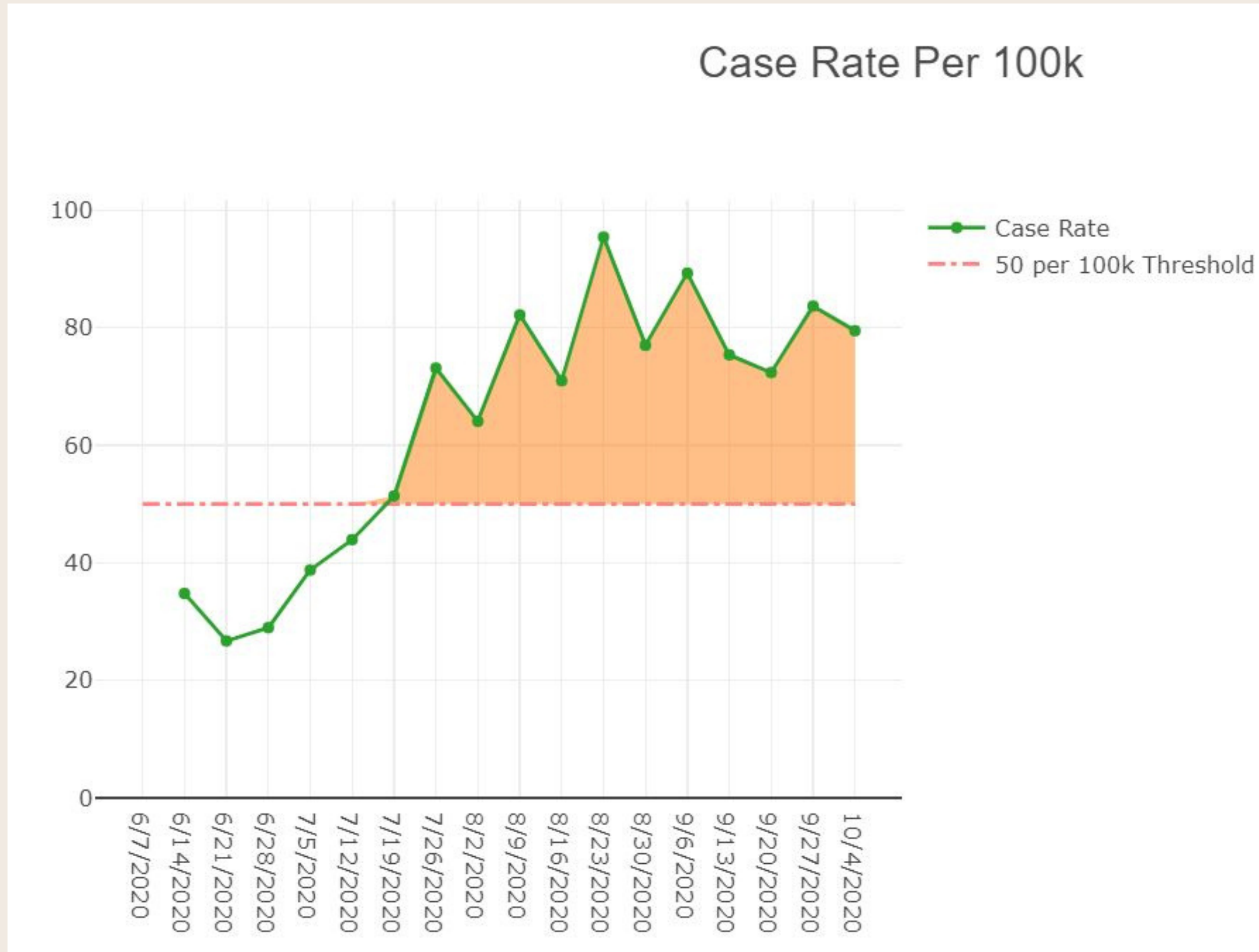


**Trends to watch...**

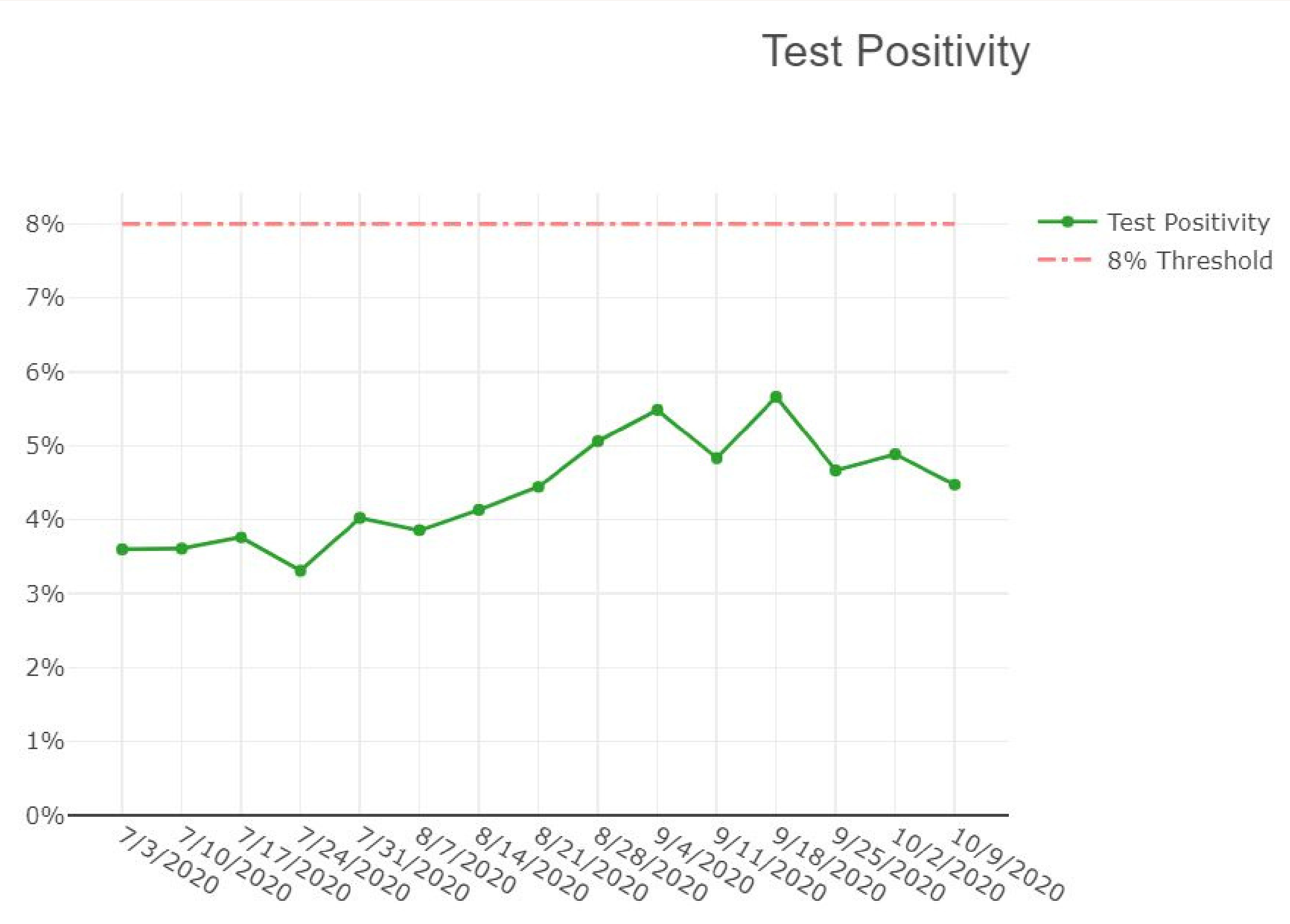
# DuPage County Number of Deaths



# DuPage County Case Rate per 100,000



# DuPage County Test Positivity



# DuPage County 7-Day Rolling Average by Age Group

