

STATE OF THE METRICS

Glen Ellyn School District 41

October 20, 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>Encourage in-person learning with at least six feet of physical distancing between students and faculty/staff*</p> <p>Consider opt-in remote option for students</p> <p><u>* All IDPH/ISBE health & safety precautions in place, including universal use of face coverings</u></p>	<p>Encourage learning models that maintain at least six feet of physical distancing*</p> <p>Some-to-no mixing of groups of students and teachers throughout/across school days</p> <p>Some students participate in virtual and some participate in-person</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 & safety precautions in place, including universal use of face coverings</u></p>	<p>Encourage 100% remote learning*</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 ≤ 50 per 100,000</p> <p>Weekly county overall case numbers increase for two consecutive weeks with a $>5\%$ to $\leq 10\%$ increase occurring each week</p> <p>Weekly county youth case numbers increase for two consecutive weeks with a $>5\%$ to $\leq 10\%$ increase occurring each week</p> <p>Weekly test positivity $\leq 5\%$</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 >50 to ≤ 100 per 100,000</p> <p>Weekly county overall case numbers increase for two consecutive weeks with a $>10\%$ or $\leq 20\%$ increase occurring each week</p> <p>Weekly county youth case numbers increase for two consecutive weeks with a $>10\%$ or $\leq 20\%$ increase occurring each week</p> <p>Weekly test positivity $>5\%$ but $\leq 8\%$</p>	<p>Remained in ORANGE (IDPH defined) for >2 consecutive weeks</p> <p>Weekly county case rates above > 100 per 100,000</p> <p>Weekly county overall case numbers increase for two consecutive weeks with a $> 20\%$ increase occurring each week</p> <p>Weekly county youth case numbers increase for two consecutive weeks with a $>20\%$ increase occurring each week</p> <p>Weekly test positivity $>8\%$</p> <p>Region moved to Tier 1 mitigation</p>
<p>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.</p>		

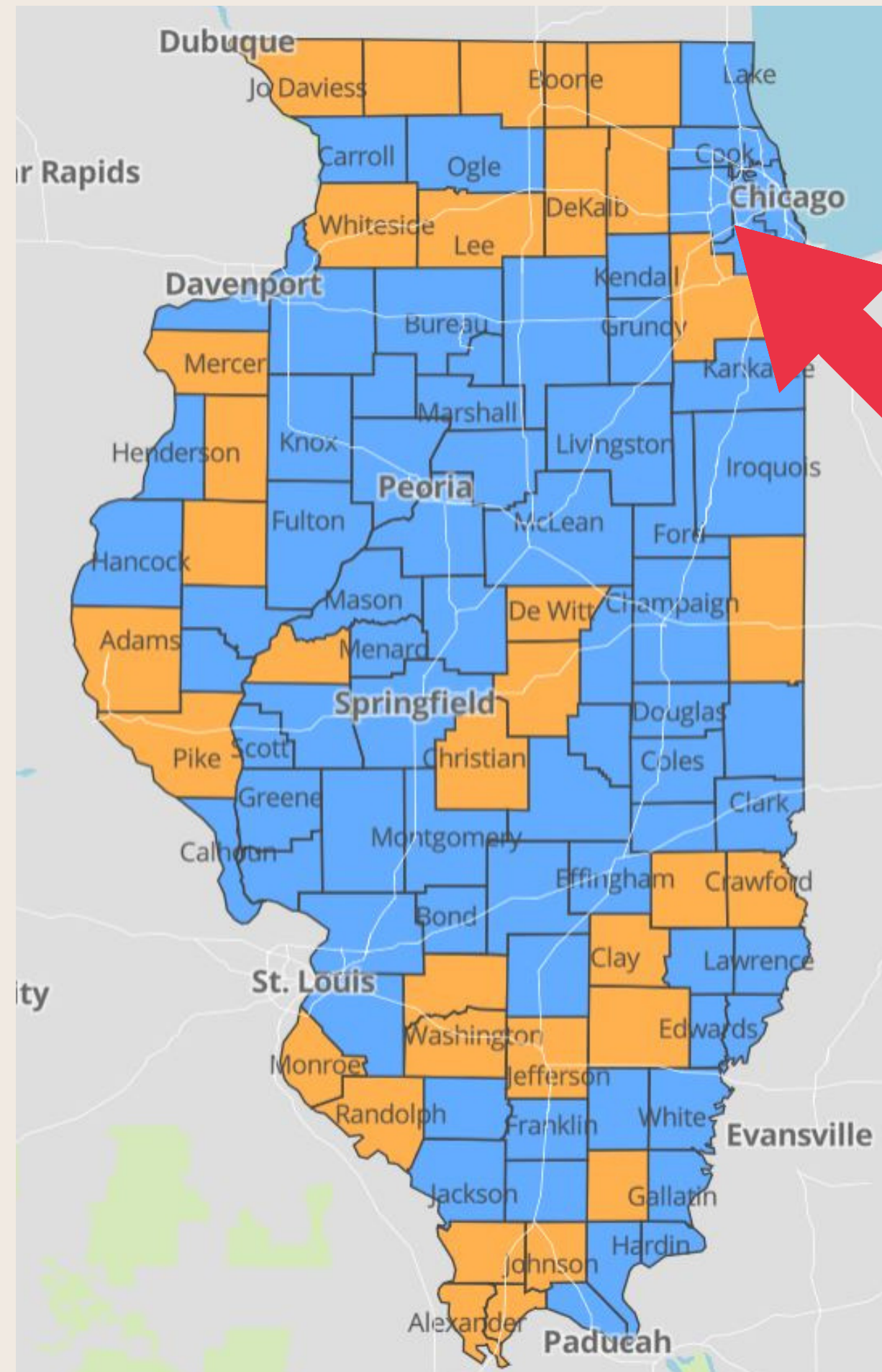
Week 41 Metrics

10/4-10/10

IDPH Statewide Picture Week 41 (10/4-10/10)

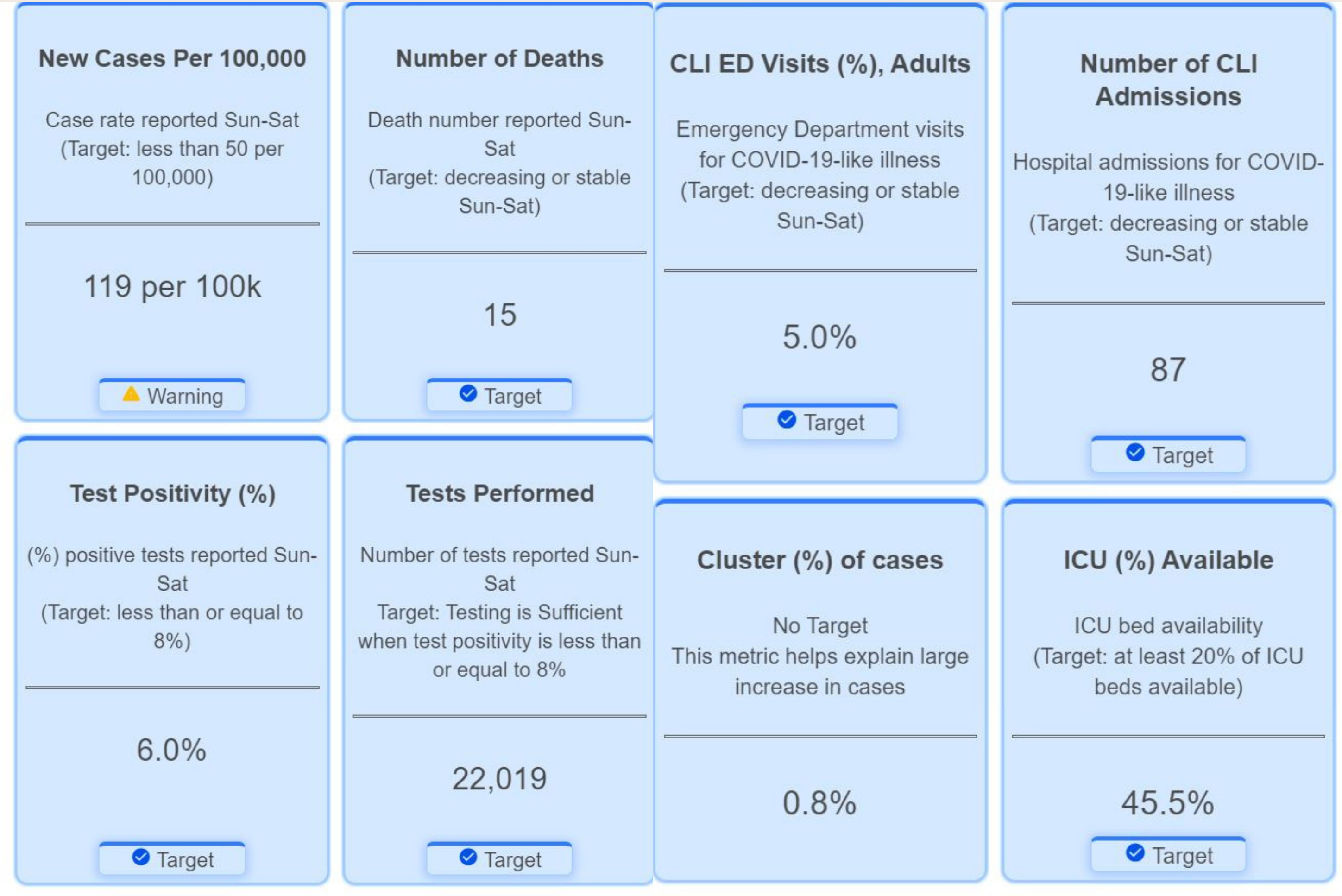
Blue: Stable COVID-19 metrics

Orange: Warning signs of increased COVID-19 metrics

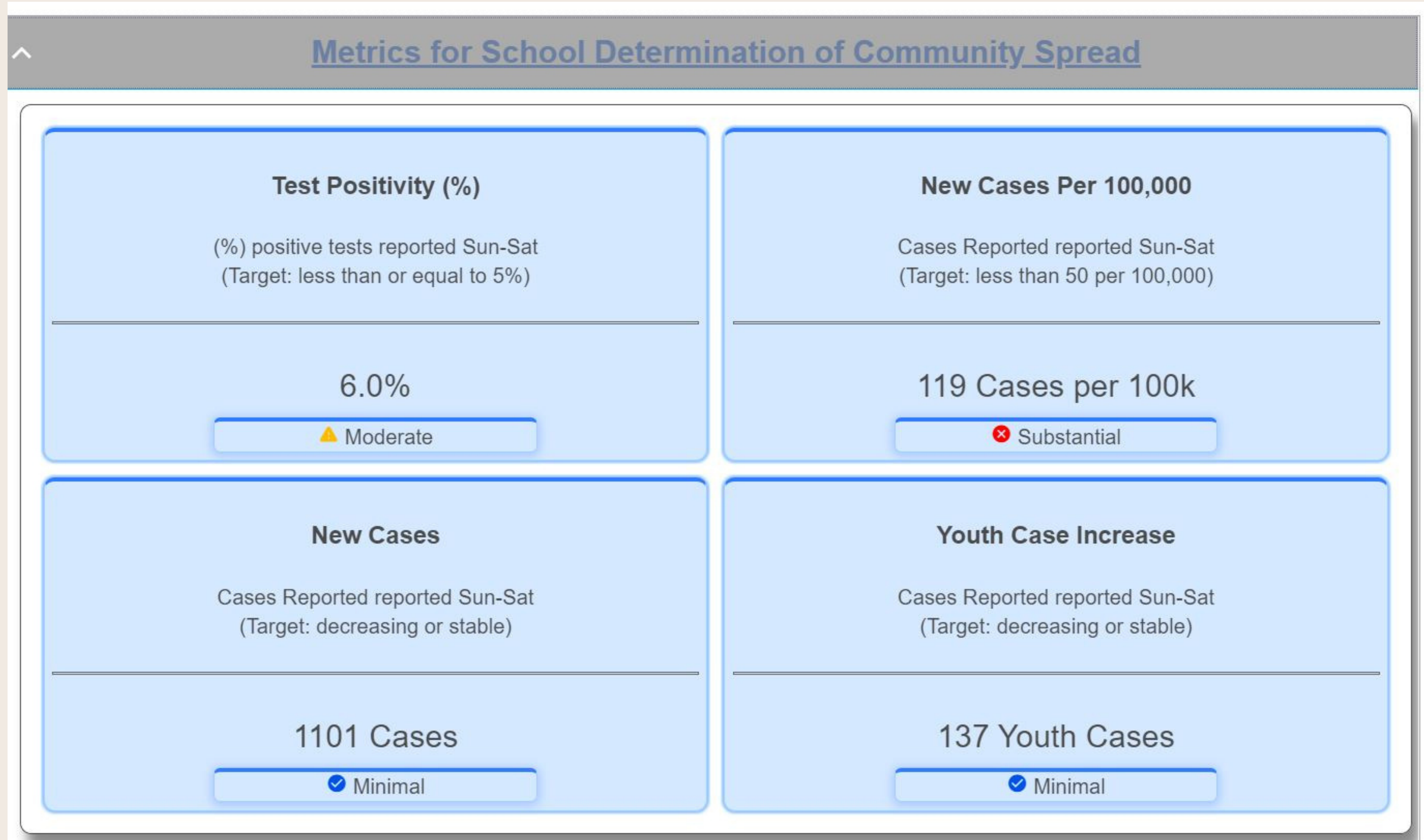


DuPage County

IDPH County Level Metrics for DuPage Week 41 (10/4-10/10)









IDPH COVID-19 School Metrics for DuPage Week 41 (10/4-10/10)



DuPage County COVID-19 School Metrics¹

DuPage County COVID-19 Community Transmission Level: **SUBSTANTIAL**
Week 41, 10/4/2020-10/10/2020

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	Alert for one metric but remained BLUE (IDPH-defined) at any point in the last 4 weeks ²		Minimal
New Cases per 100,000 per Week² Source: IDPH County Level COVID-19 Risk Metrics	119 per 100,000 per week	 Up from 79 per 100,000 in Week 40	Substantial
Weekly Case Count Trend³ Source: IDPH COVID-19 County & School Metrics	Week 39 to Week 40 = -5.0% Week 40 to Week 41 = +49.2%		Criteria for increase for two consecutive weeks were not met.
Weekly Youth (<20 years old) Case Count Trend³ Source: IDPH COVID-19 County & School Metrics	Week 39 to Week 40 = -6.2% Week 40 to Week 41 = +13.2%		Criteria for increase for two consecutive weeks were not met.
Weekly Test Positivity² Source: IDPH COVID-19 County & School Metrics	6.0%	 Up from 4.5% in Week 40	Moderate
Neighboring/Regional Indicator Level⁴ Source: IDPH County Level COVID-19 Risk Metrics	Neighboring county in orange once in the last 4 weeks		Minimal

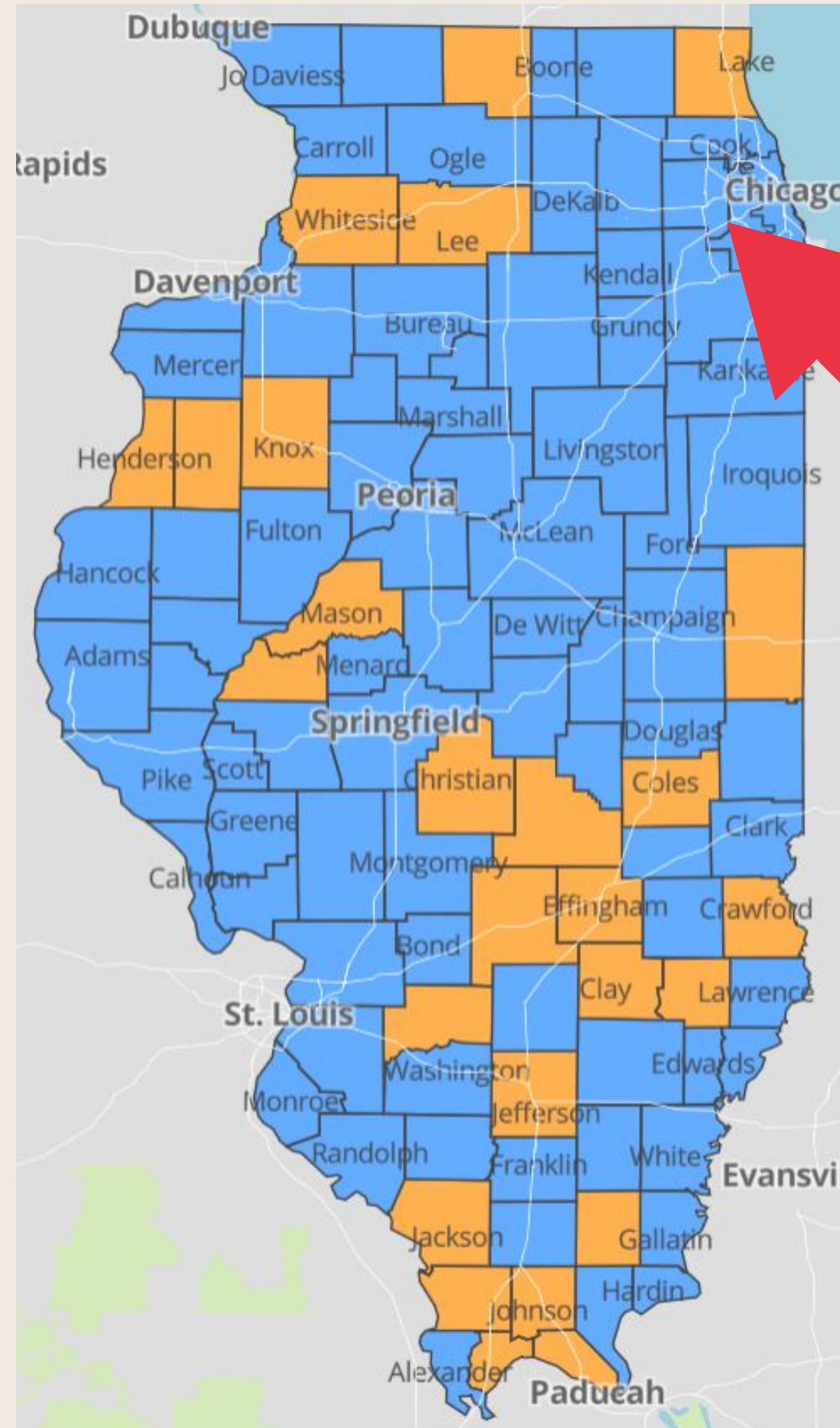
Week 40 Metrics

9/27-10/3

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

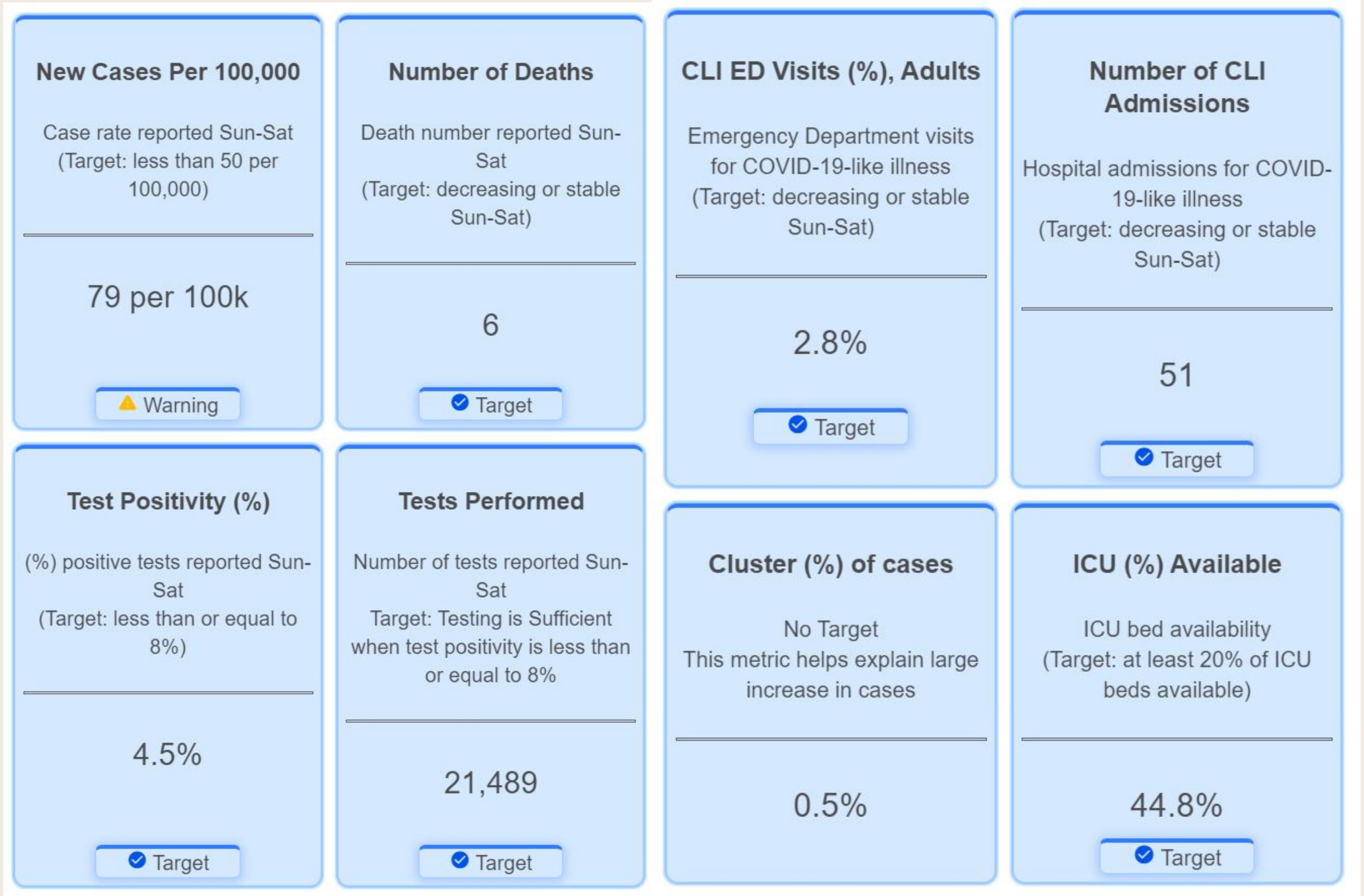
Blue: Stable COVID-19 metrics

Orange: Warning signs of increased COVID-19 metrics

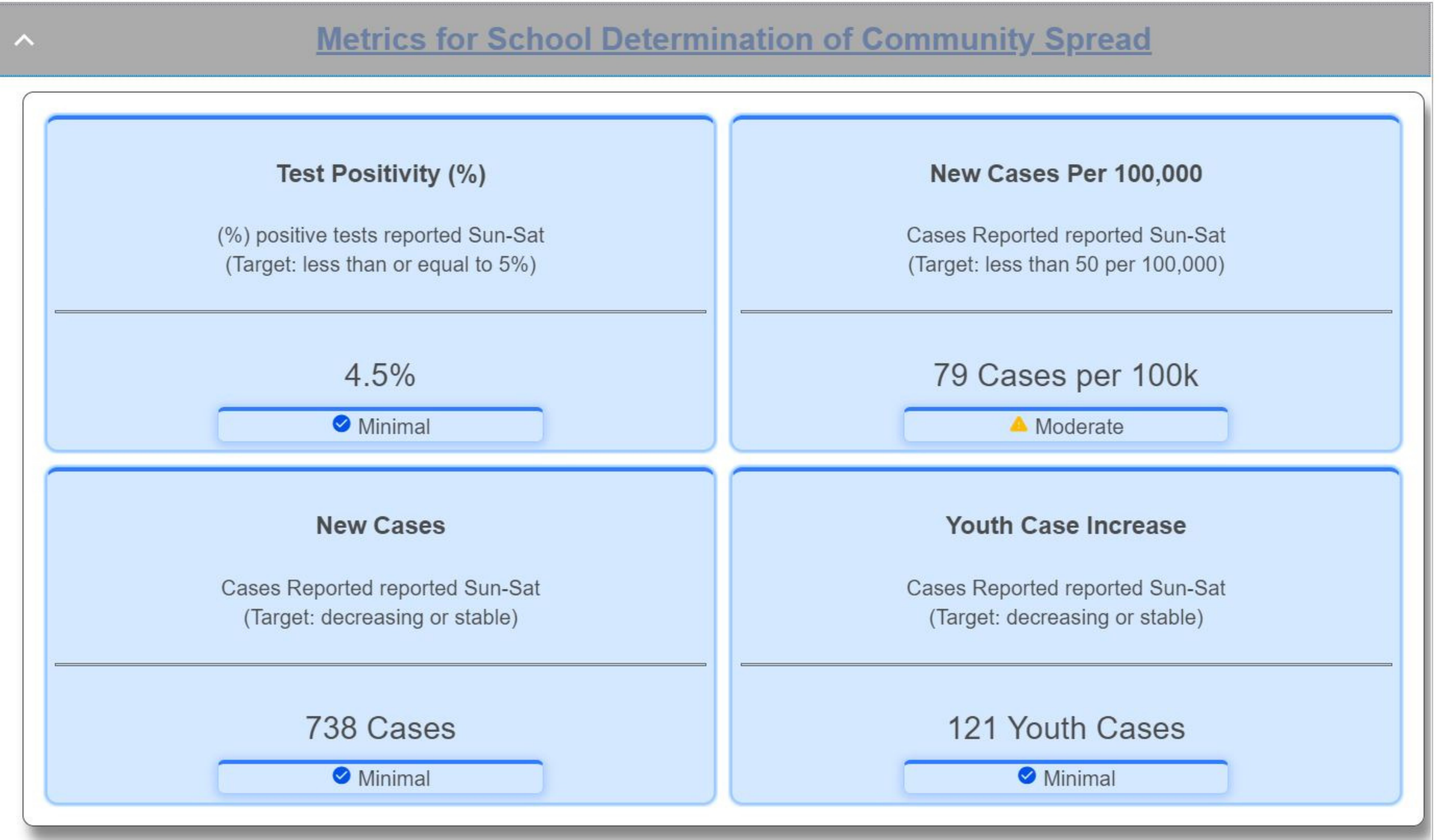


DuPage County

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)



DuPage County COVID-19 School Metrics¹

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
Illinois Department of Public Health (IDPH) County-Level Risk Metric Color <small>Source: IDPH County Level COVID-19 Risk Metrics</small>	Transitioned to ORANGE (IDPH-defined) once in the last 4 weeks ²	Stable	Moderate
New Cases per 100,000 per Week² <small>Source: IDPH County Level COVID-19 Risk Metrics</small>	79 per 100,000 per week	 <small>Down from 84 per 100,000 in Week 39</small>	Moderate
Weekly Case Count Trend^{3,4} <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%		Criteria for increase for two consecutive weeks were not met.
Weekly Youth (<20 years old) Case Count Trend^{3,4} <small>Source: I-NEDSS</small>	Week 38 to Week 39 = -4.5% Week 39 to Week 40 = -16.4%		Criteria for increase for two consecutive weeks were not met.
Weekly Test Positivity² <small>Source: IDPH COVID-19 County & School Metrics</small>	4.5%	 <small>Down from 4.9% in Week 39</small>	Minimal
Neighboring/Regional Indicator Level⁵ <small>Source: IDPH County Level COVID-19 Risk Metrics</small>	No county in orange this week or in the past 4 weeks		Criteria were not met.

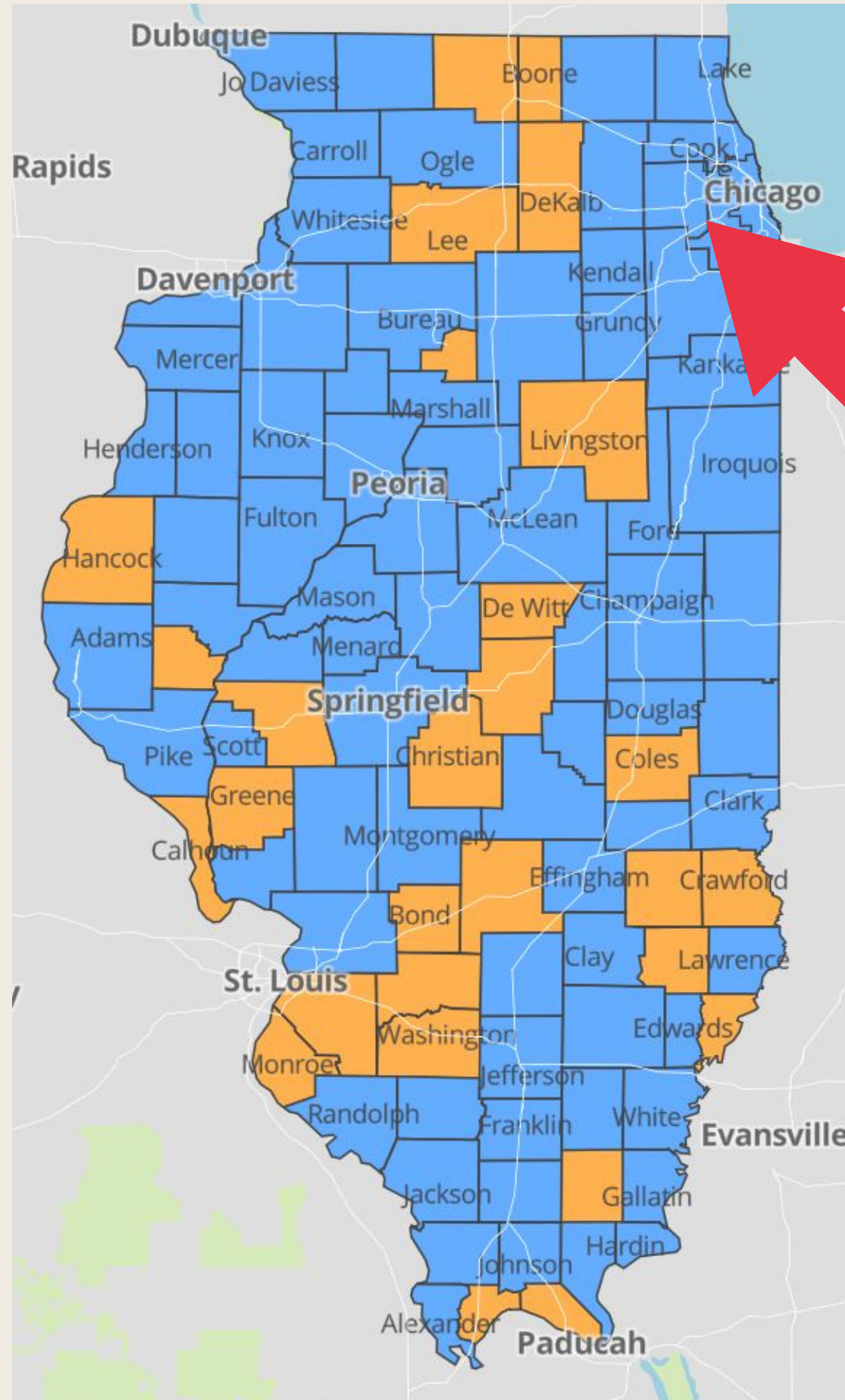
Week 39 Metrics

9/20-9/26

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

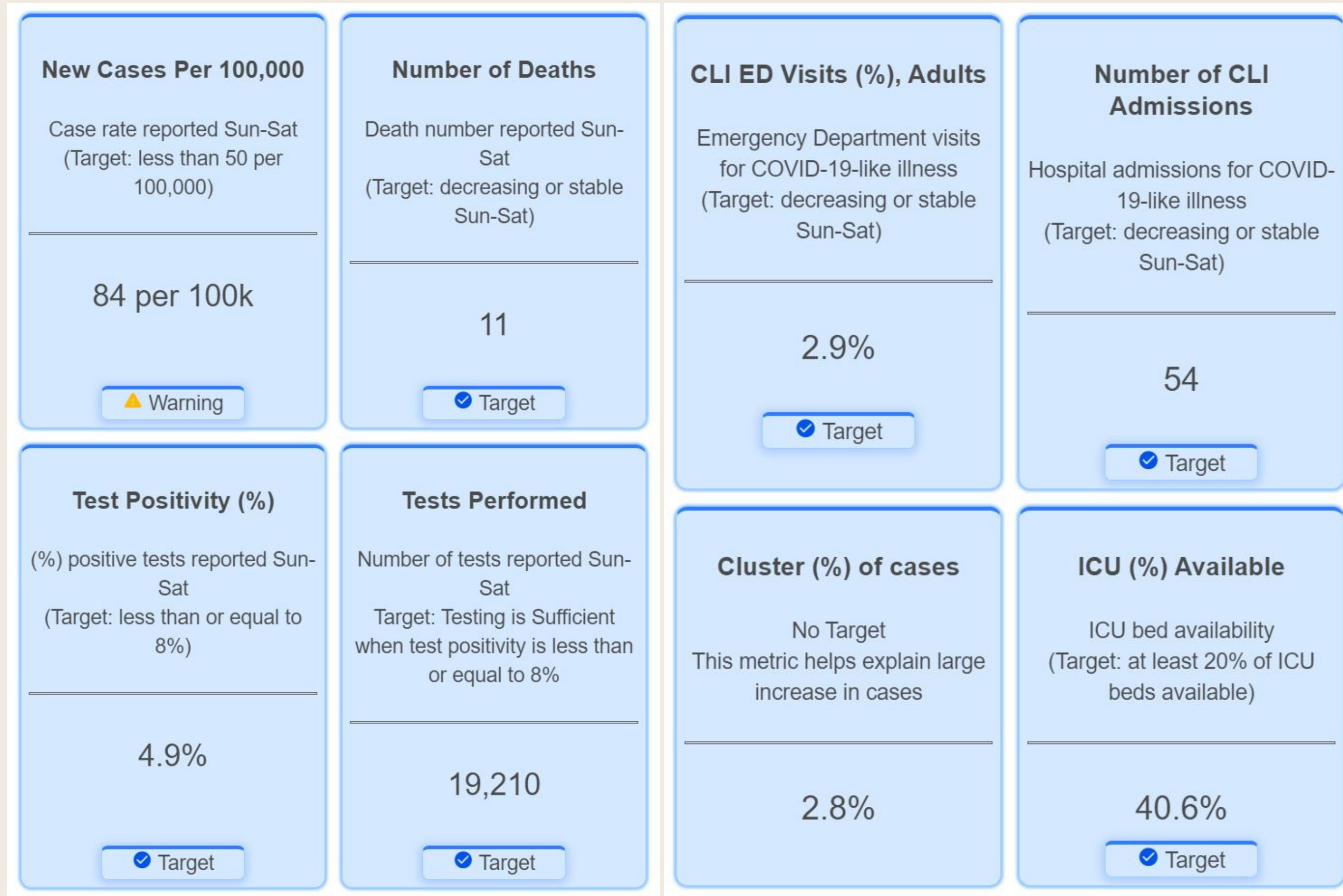
Blue: Stable COVID-19 metrics

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 Metrics¹

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
Illinois Department of Public Health (IDPH) County-Level Risk Metric Color <small>Source: IDPH County Level COVID-19 Risk Metrics</small>	Transitioned to ORANGE (IDPH-defined) once in the last 4 weeks ²	Stable	Moderate
New Cases per 100,000 per Week² <small>Source: IDPH County Level COVID-19 Risk Metrics</small>	84 per 100,000 per week	 <small>Up from 72 per 100,000 in Week 38</small>	Moderate
Weekly Case Count Trend^{3,4} <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>
Weekly Youth (<20 years old) Case Count Trend^{3,4} <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>
Weekly Test Positivity² <small>Source: IDPH COVID-19 County & School Metrics</small>	4.9%	 <small>Up from 4.7 % in Week 38</small>	Minimal
Neighboring/Regional Indicator Level⁵ <small>Source: IDPH County Level COVID-19 Risk Metrics</small>	No county in orange this week but orange in the past 4 weeks		Minimal

Trends to watch...

Local

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

Data for 10/20/2020 (7-day and 14-day rolling averages)

Data for 10/20/2020 (7-Day)

Rolling Average Number Tested per Day	829.0
Rolling Average Number of Positive COVID Tests per Day	52.9
Rolling Average COVID Positivity Rate	6.38 %
Number of new cases (7-day) per 100,000 population	187.2

Data for 10/20/2020 (14-Day)

Rolling Average COVID Positivity Rate	5.76 %
Number of new cases (14-day) per 100,000 population*	320.7

*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:

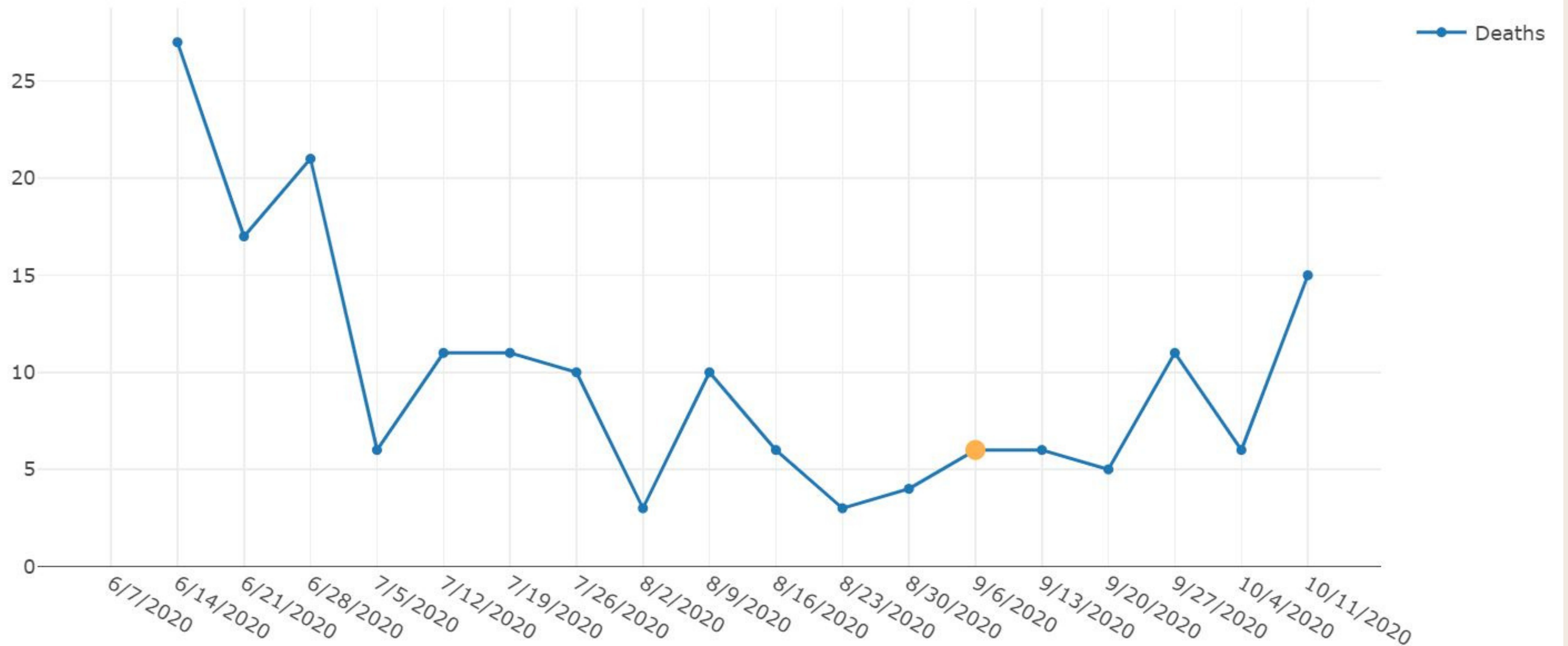
	10/13/2020	10/14/2020	10/15/2020	10/16/2020	10/17/2020	10/18/2020	10/19/2020
Tests per Day*	744.6	741.6	693.4	749.0	641.9	797.0	793.0
Cases per Day*	37.7	37.4	37.4	42.9	36.9	43.3	47.1
Positivity Rate*	5.07 %	5.05 %	5.40 %	5.72 %	5.74 %	5.43 %	5.94 %
Number of new cases (7-day) per 100,000 population	133.6	132.5	132.5	151.8	130.5	153.3	167.0

* Calculated as 7-day rolling averages

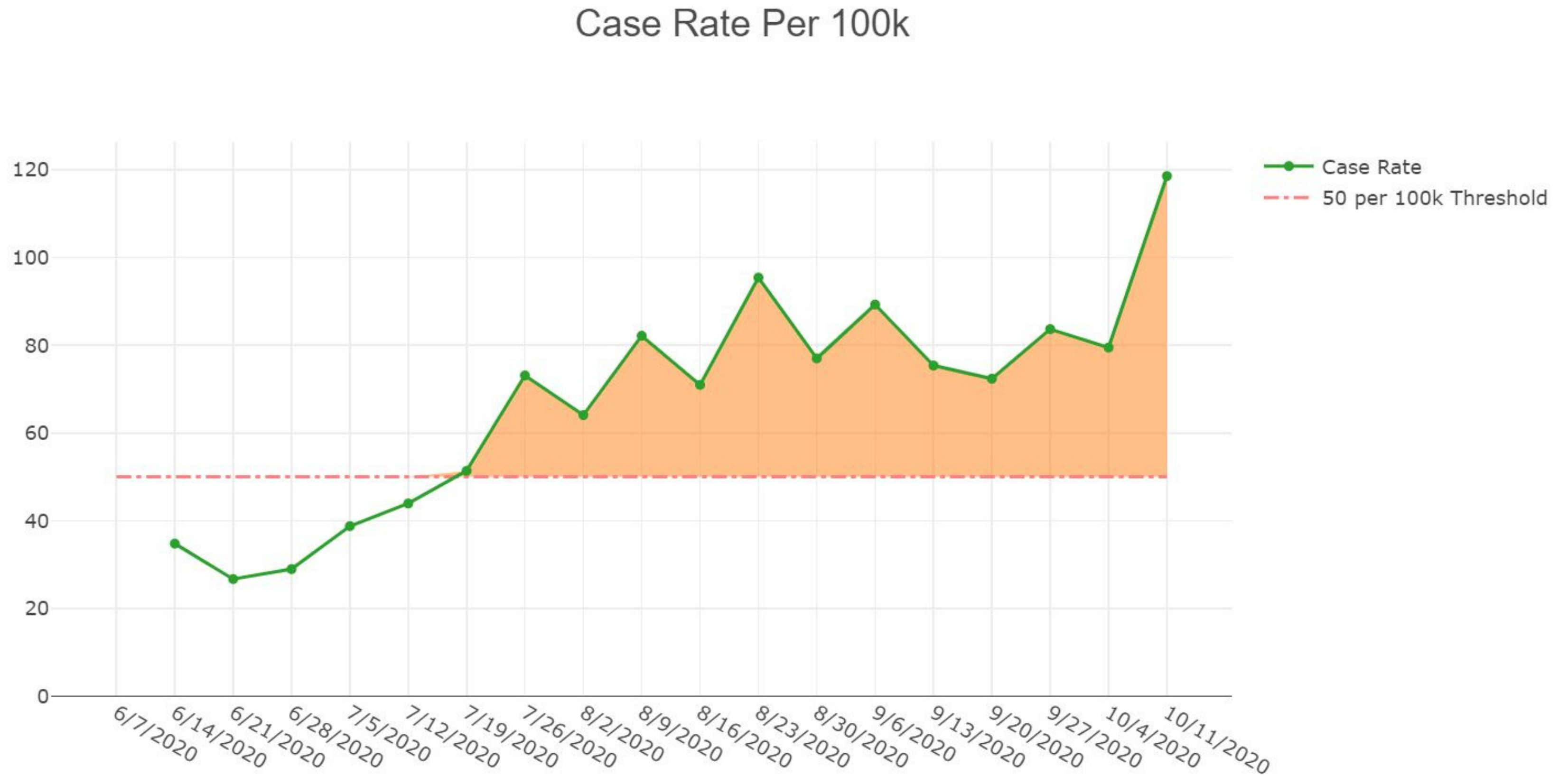
DuPage County

DuPage County Number of Deaths

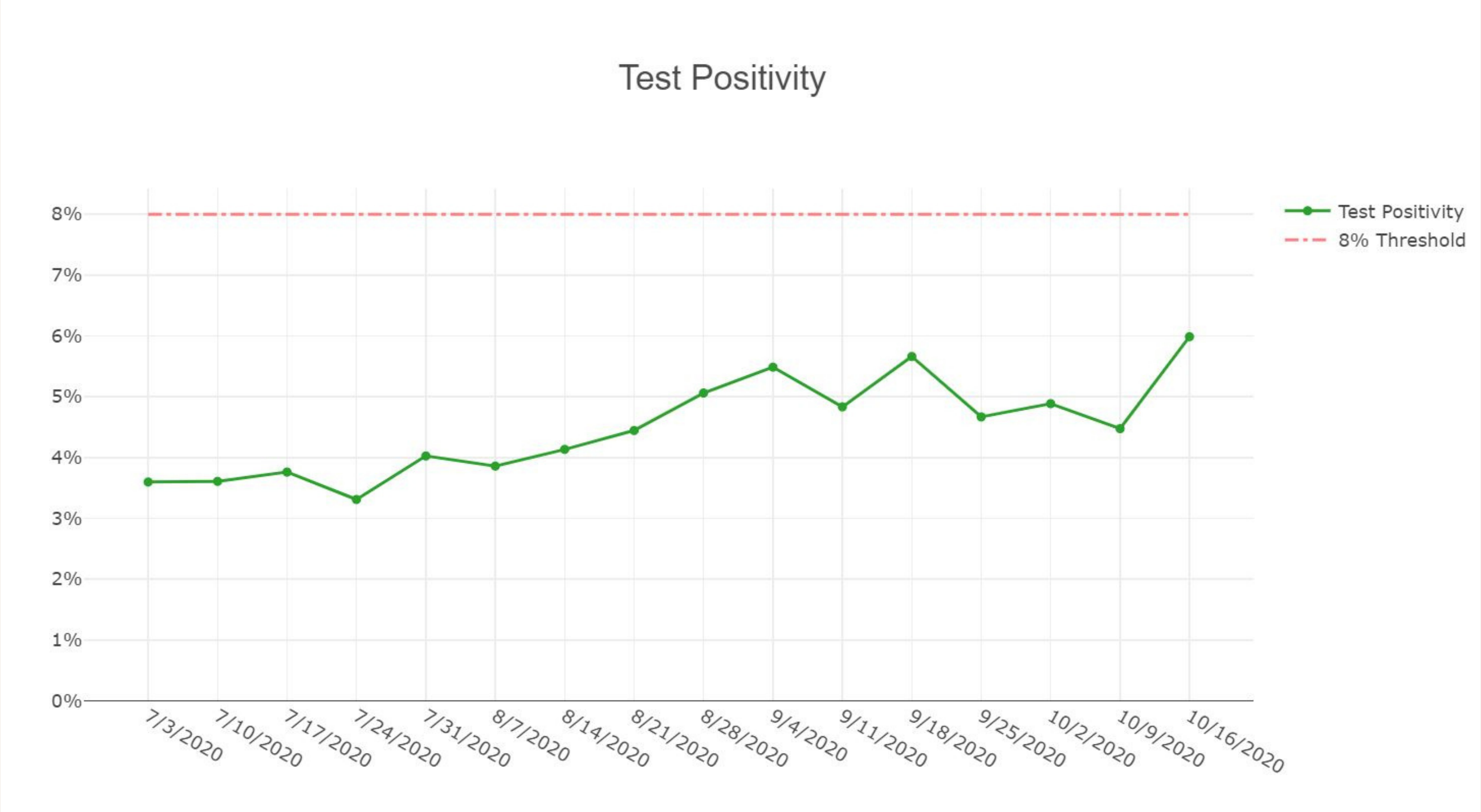
Deaths



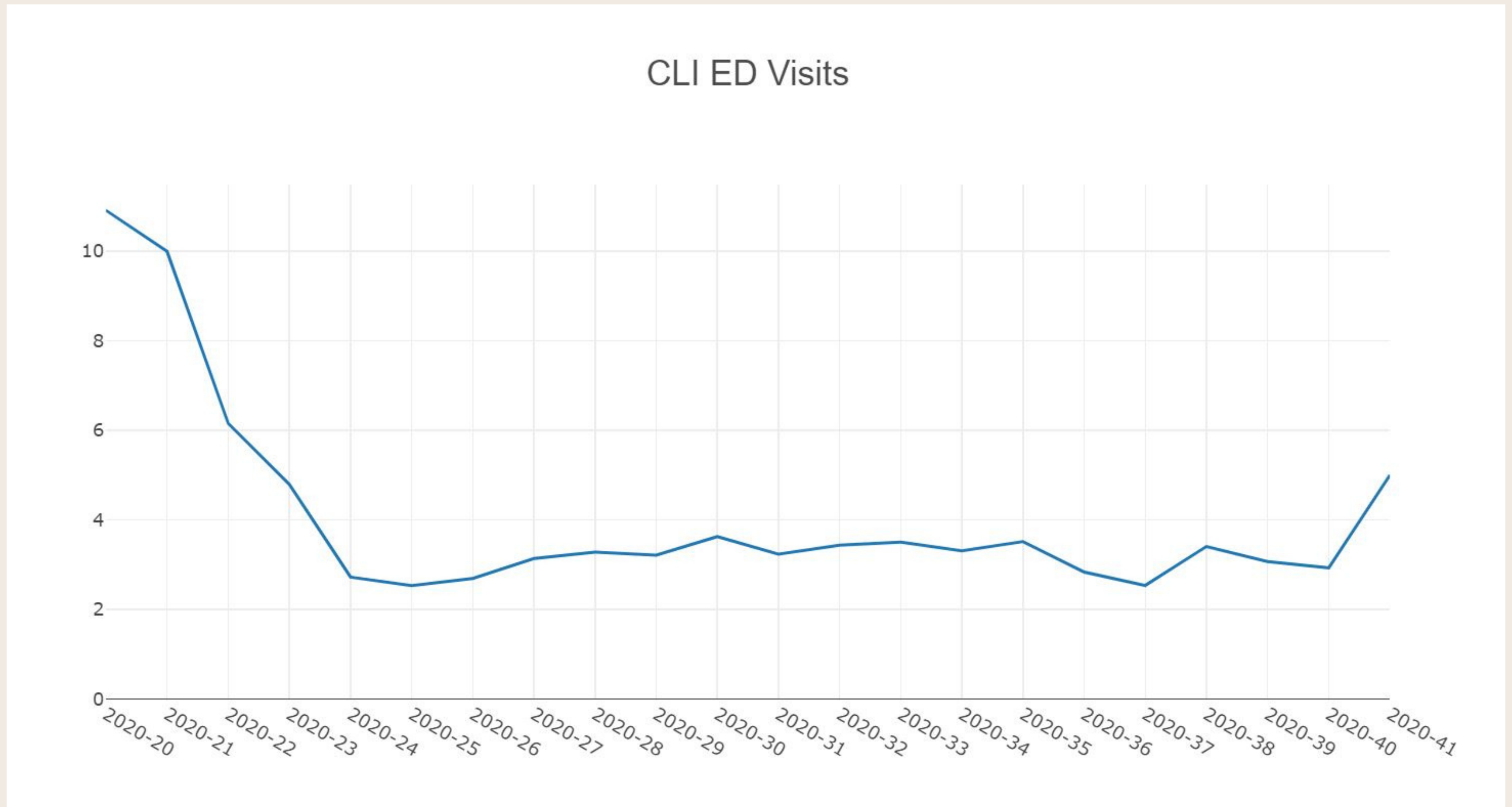
DuPage County Case Rate per 100,000



DuPage County Test Positivity

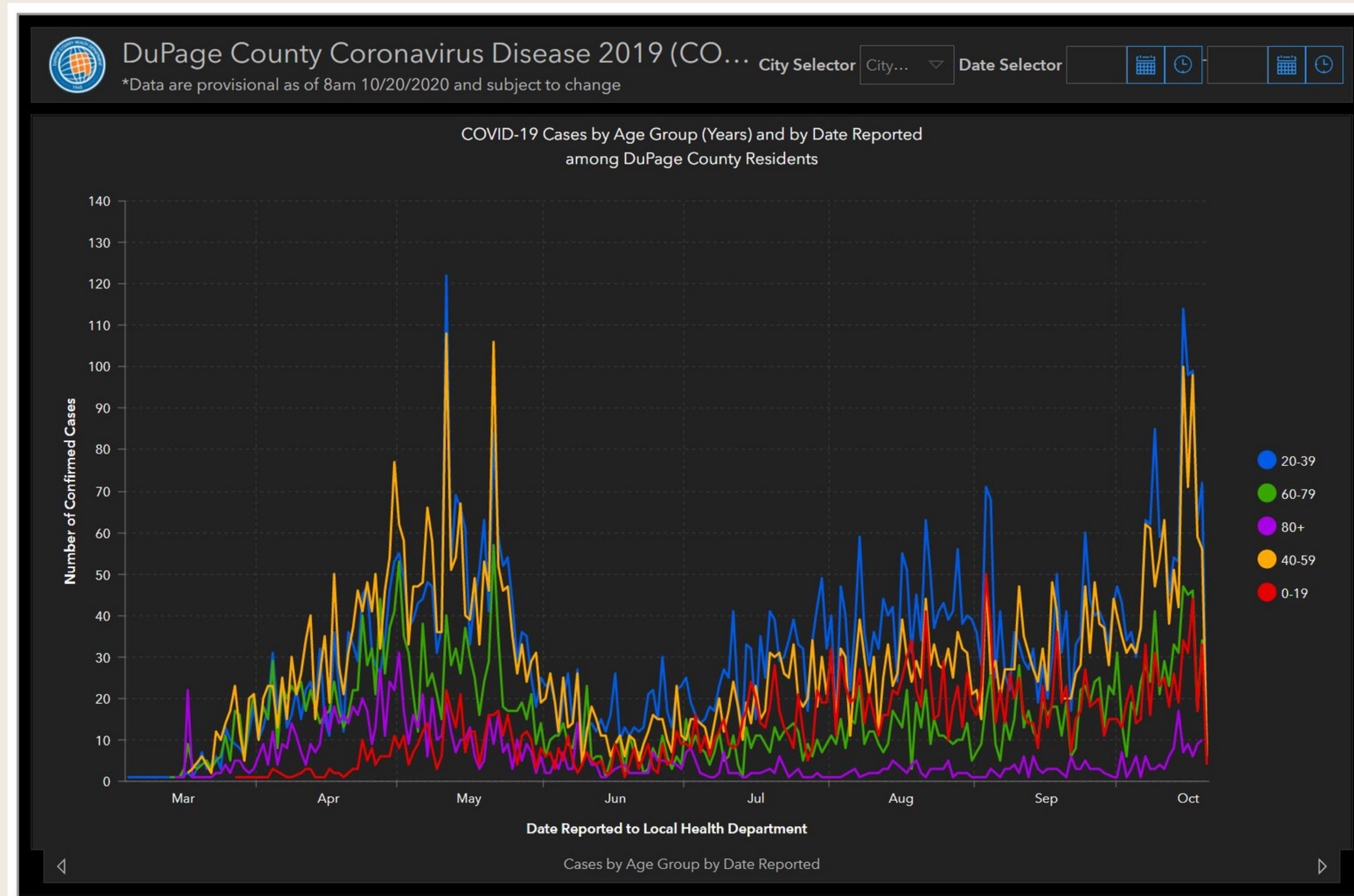


DuPage County Weekly Covid-like-illness ED Visits



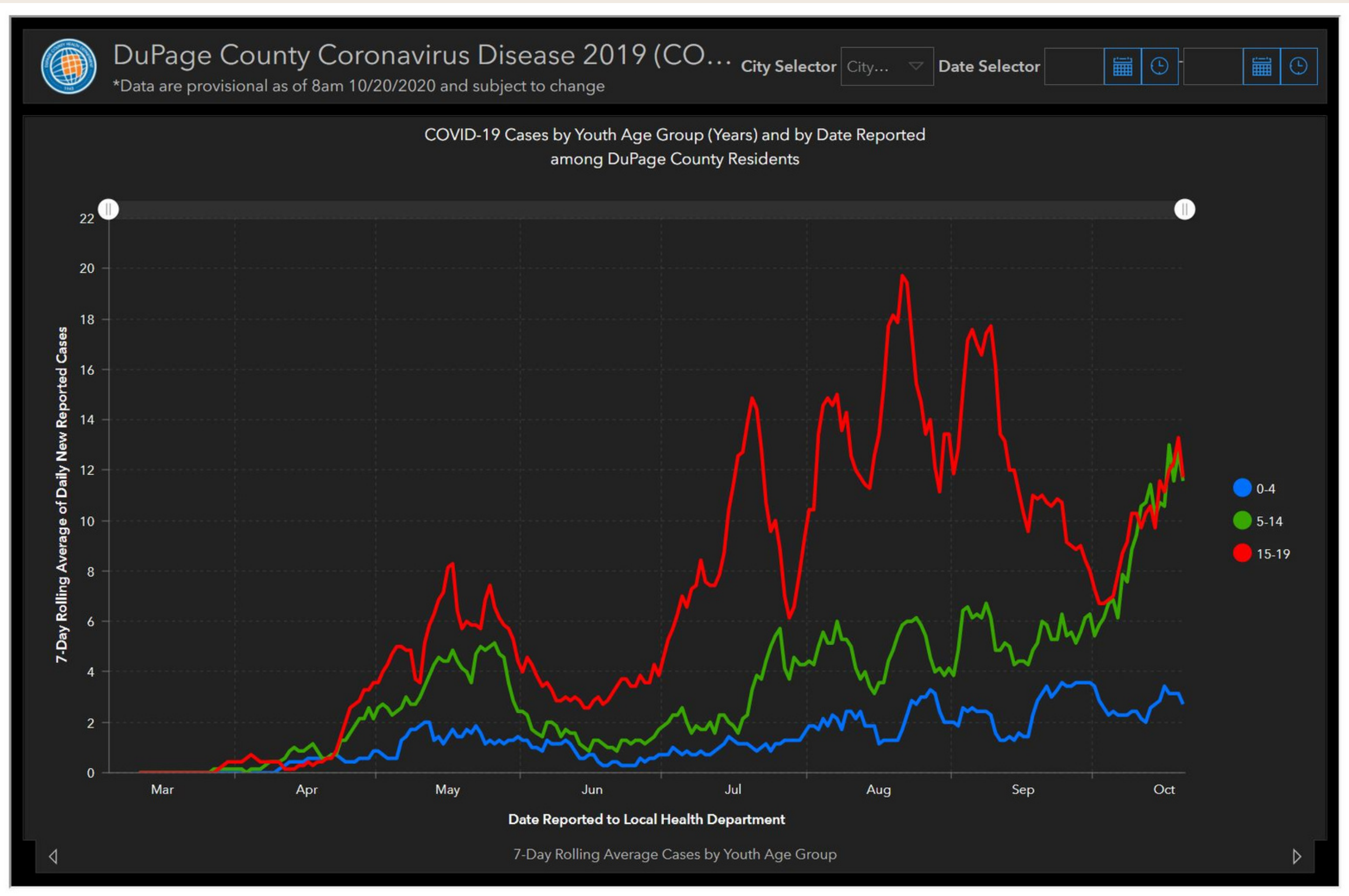
DuPage County Cases by Age Group

Data is by date reported through 10/20/2020



DuPage County Cases by Youth Age Group

Data is 7-day rolling average of cases through 10/20/2020

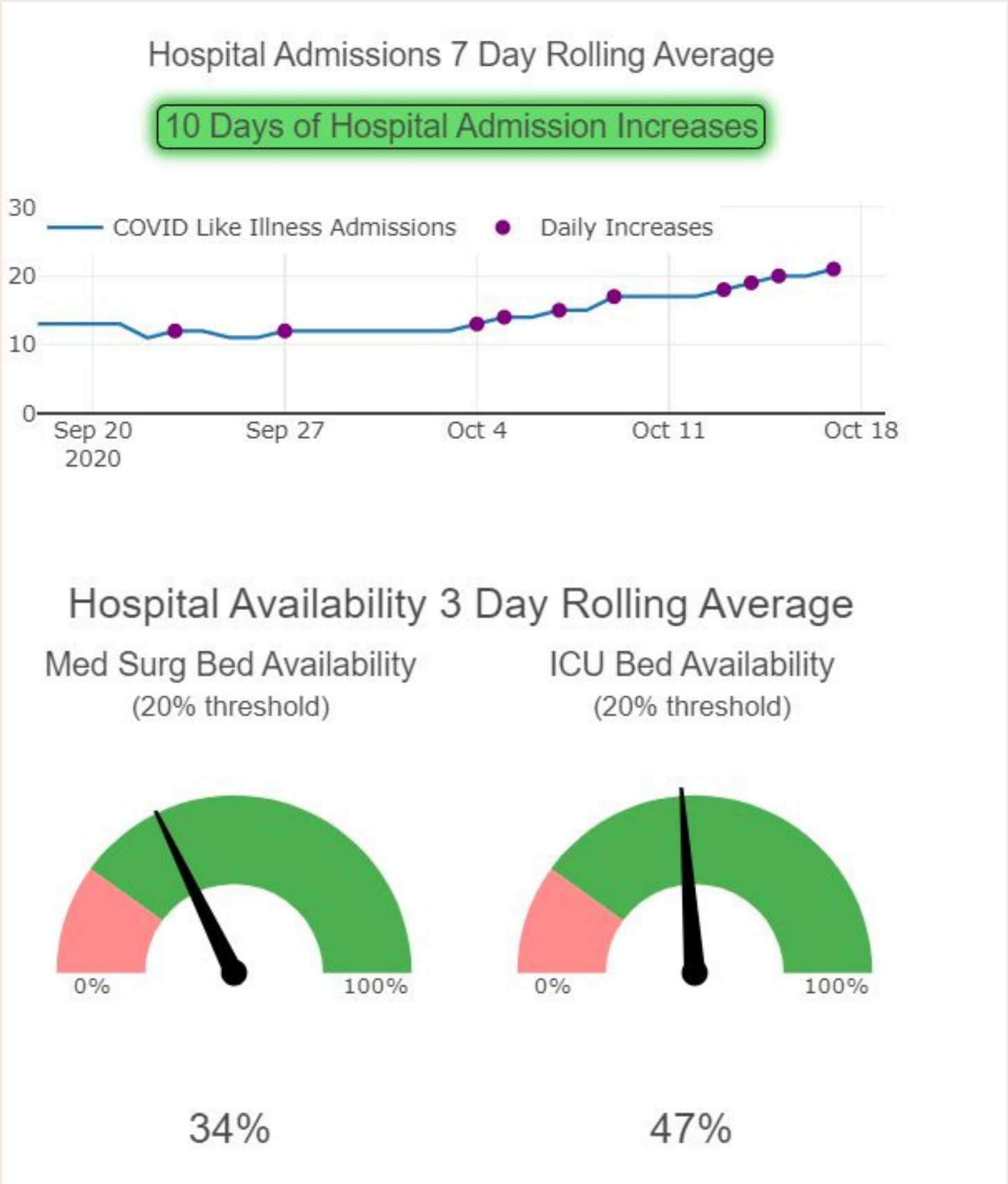
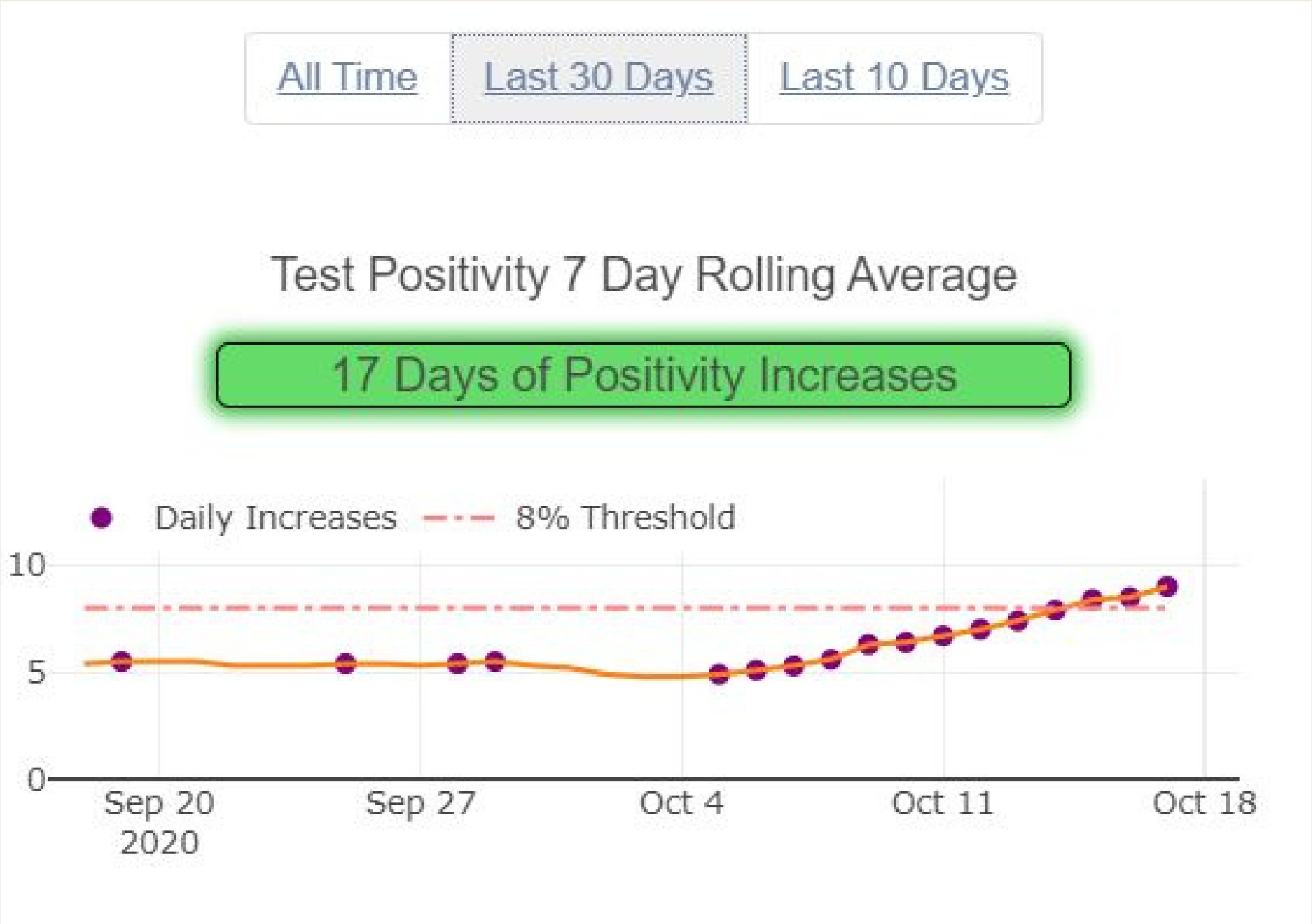


IDPH Region 8:

DuPage and Kane County

Region 8 IDPH Percent Positivity and Hospitalization

As of October 20, 2020



Region 8 IDPH Testing Data

Region 8 Test Positivity

Date	Positive Tests	Total Tested	Daily Test Positivity	Test Positivity 7-Day Rolling Avg
10/7/2020	340	6,012	5.7	5.3
10/8/2020	344	5,282	6.5	5.6
10/9/2020	424	5,488	7.7	6.3
10/10/2020	338	5,418	6.2	6.4
10/11/2020	342	4,315	7.9	6.7
10/12/2020	353	3,937	9.0	7
10/13/2020	406	3,842	10.6	7.4
10/14/2020	339	3,842	8.8	7.9
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