Back to School 2021-2022 With COVID-19 November 4, 2021

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Medical Director
CMDHD/MMDHD/DHD#10

This meeting is for School and Health Department Staff

We have limited time to cover all our topics. The slides and recordings will be available on our websites within 1-3 days.

https://www.dhd10.org/coronavirus/school-guidance/

https://www.mmdhd.org/covid-schools/

https://www.cmdhd.org/novelschools

If you have questions, please send them to:

For Roscommon, Osceola, Clare, Gladwin, Arenac, Isabella Counties:
info@cmdhd.org

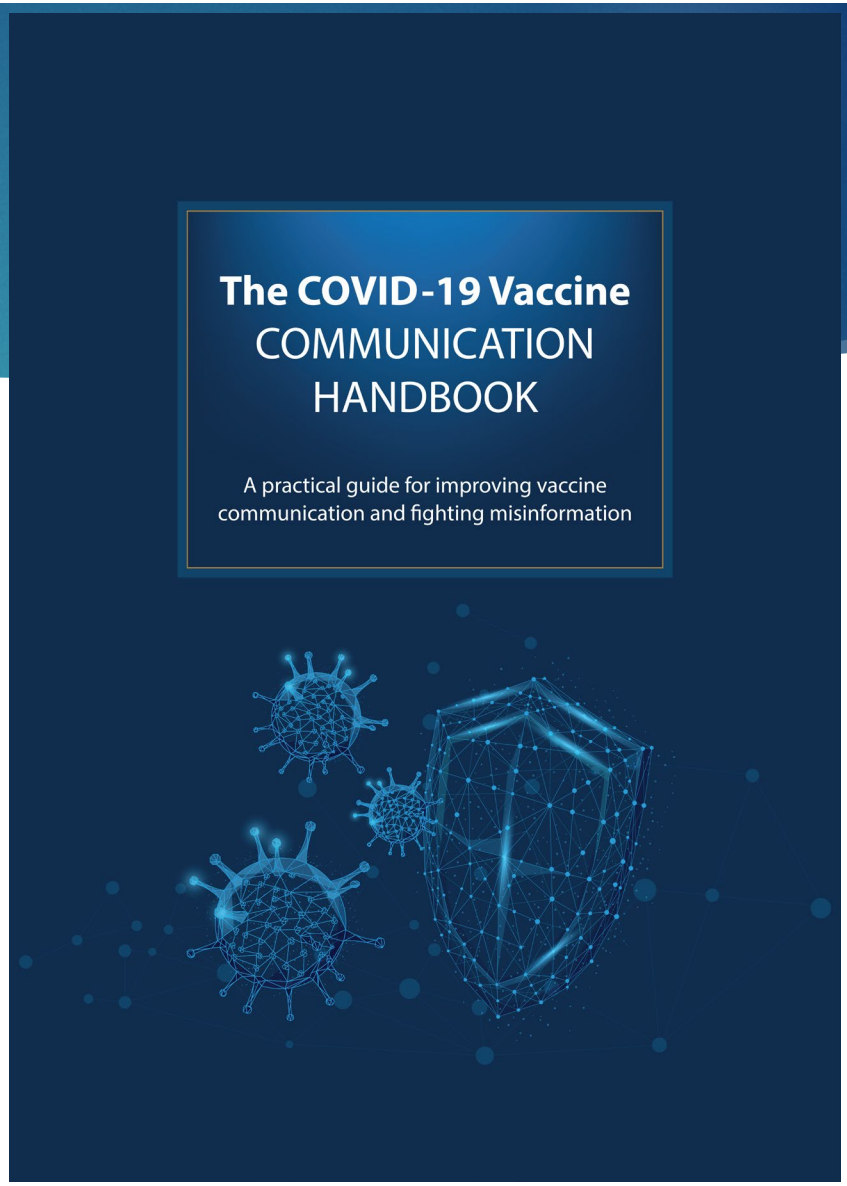
For Missaukee, Crawford, Kalkaska, Wexford, Lake, Mason, Manistee, Oceana, Newaygo, Mecosta Counties:
info@dhd10.org

For Montcalm, Gratiot, Clinton Counties:
https://www.mmdhd.org/contact/

Please make sure the information shared today is passed along to others who may need it, such as school COVID-19 liaisons, school secretaries, school nurses, etc.

Thank you!

Good Resource



https://hackmd.io/@scibehC19vax/home#The-COVID-19-Vaccine-Communication-Handbook

"ABC Science Collaborative encourages eligible children to get COVID-19 vaccine"

- "Read the ABC Science Collaborative's FAQ on COVID-19 vaccines.
- View videos and hear why children are looking forward to getting vaccinated.
- Help spread the word, use our social media kit to share stories about COVID-19 vaccination for children ages 5-11."

https://abcsciencecollaborative.org/abc-science-collaborative-encourages-eligible-children-to-get-covid-19-vaccine/

Winter Sports Guidance from MHSAA

- I am aware of the current 2021-22 MHSAA Winter Sports Guidance, updated: November 3, 2021 https://www.mhsaa.com/portals/0/Documents/AD%20Forms/MHSAA%20Guidance%2038.pdf , which states:

"***The wearing of face masks in some sports during active participation such as*** *wrestling (during the match), swimming & diving (preparing to enter the water), competitive cheer (during the round),* ***basketball (while in the game)*** *and gymnastics (during the routine)* ***could create safety hazards that have been identified by national medical organizations.***"

- They list NO REFERNCES, no idea where that is coming from.
  - American Academy of Pediatrics does not say this https://www.aap.org/en/pages/2019-novel-coronavirus-covid-19-infections/clinical-guidance/covid-19-interim-guidance-return-to-sports/
- I have emailed them and asked them to provide me with the references to the national medical organization that have made this statement re: basketball as well as the name of their medical specialist that determines your guidance
- MDHHS is also looking into it

https://tellyourcontacts.org/

- Something we are recommending to cases-good for those that won't tell us of contacts; our goal is to at least make sure people get notified and educated
- From their website:
  - Just select email or text, complete four sections and click submit. It only takes a few minutes.
  - Send a text or email a contact that they might be at risk of Covid-19. We recommend telling people with whom you had contact for more than 15 minutes and you were less than six feet away 48 hours before you started feeling symptoms.
  - You can choose to write one of your own messages or use a standard one that we've written for you. Whichever you choose, you can decide whether you want to include your name or stay anonymous.
  - If there are some people you want to include your name and others you want to stay anonymous, we recommend that you do one set first, then the other.
  - We do NOT ask for any of your personal information, nor do we store your contacts' information.

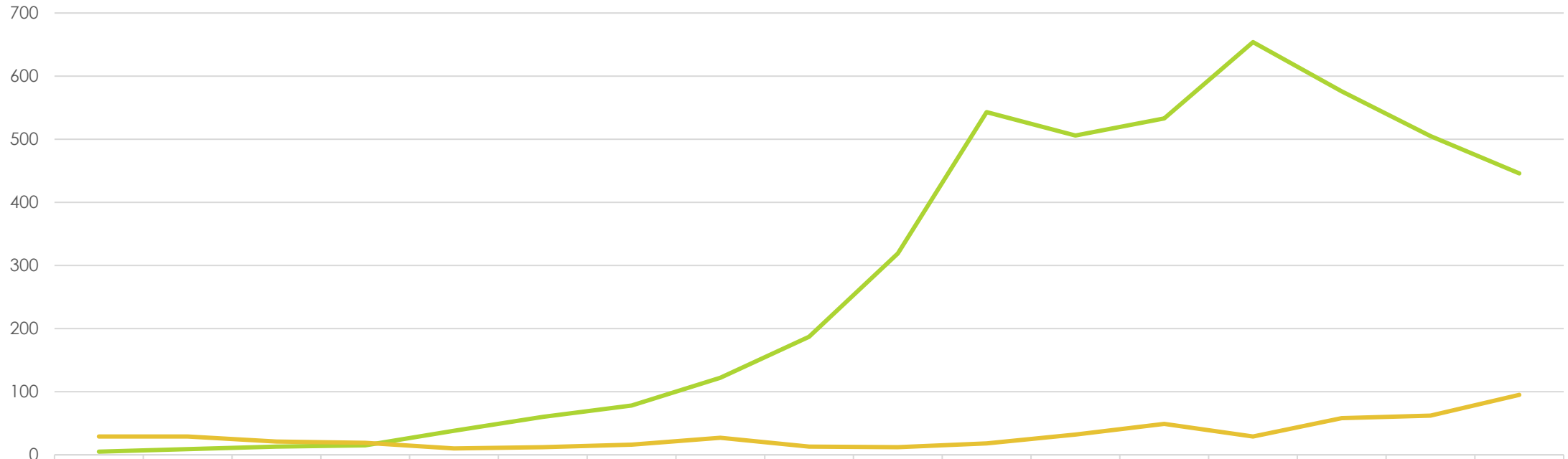
Home Testing Options (Studies)

- **Test Us At Home:** https://covid19testus.org/research-studies/test-us-at-home/
  - Nationwide, anyone, anywhere can participate
  - Asymptomatic participants who have access to smartphones
  - 12 years and above (will be lowered to 2 years soon)
  - Participate in twice a day testing (using rapid OTC and home collection kit for PCR) every 48 hours for 15 days
    - requires willingness and access to drop off specimen at FedEx drop boxes/sites
  - $250 in incentives if all steps are completed
- **Self-Testing for Our Protection from COVID-19 (STOP COVID-19):** https://covidtestaaypsi.org/learn-about-the-study.html
  - Michigan only (for now)
  - 12-week study where participants are risk-stratified to do weekly reporting of symptoms+close contacts and/or testing
    - twice a week testing using OTC test for 12 weeks if unvaccinated
    - twice a week testing using OTC test for 2 weeks if vaccinated and symptomatic/exposed
  - 8 years and above
  - $100 in incentives if all steps are completed

See the most up to date data at https://www.mistartmap.info/

(we will not be doing data table any longer)

19 Counties of MMDHD/DHD#10/CMDHD COVID Cases 5-18 yrs. of age, weekly, 2020 compared to 2021



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Total 2021	5	9	13	15	38	60	78	122	187	319	543	506	533	654	576	505	446
Total 2020	29	29	21	19	10	12	16	27	13	12	18	32	49	29	58	62	95

County by County Comparisons COVID Cases 5-18 yrs. of age, weekly, 2020 compared to 2021

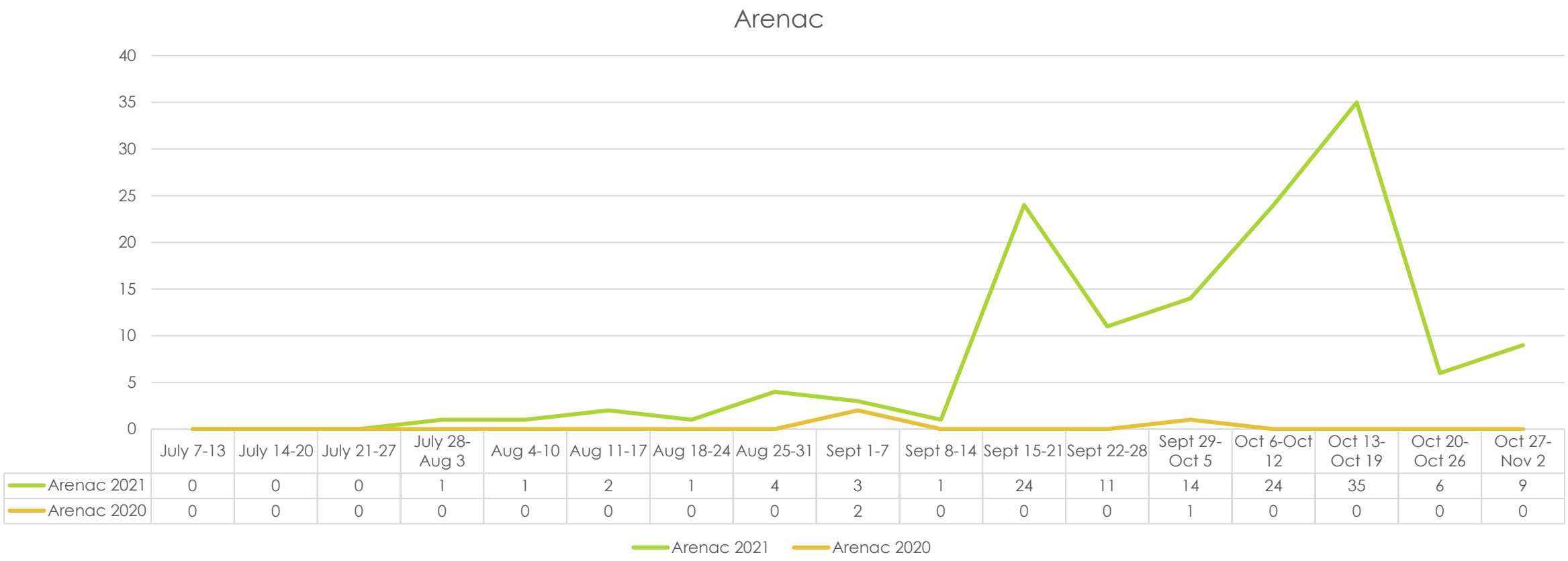
NOTE: The values on the vertical (y) axis are different for each county due to different numbers of cases

— IS 2021

— IS 2020

CMDHD

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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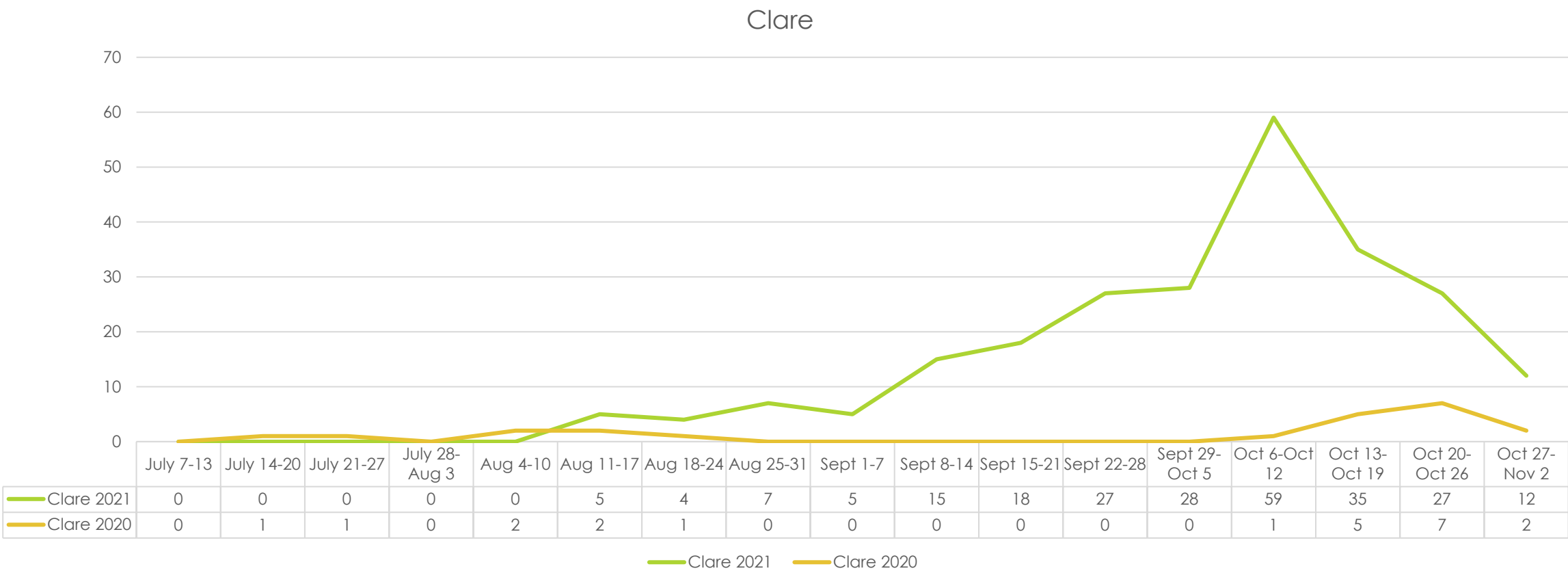
Arenac 2021	0	0	0	1	1	2	1	4	3	1	24	11	14	24	35	6	9
Arenac 2020	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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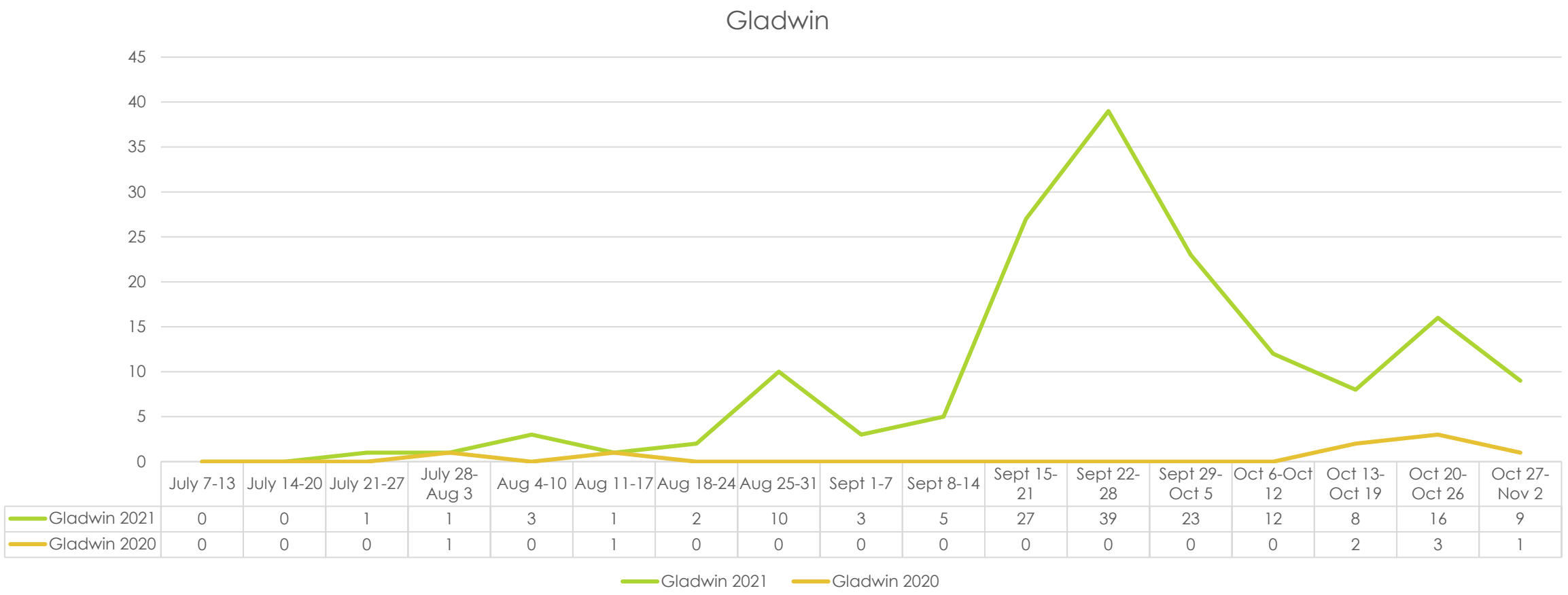
Clare 2021	0	0	0	0	0	5	4	7	5	15	18	27	28	59	35	27	12
Clare 2020	0	1	1	0	2	2	1	0	0	0	0	0	0	1	5	7	2

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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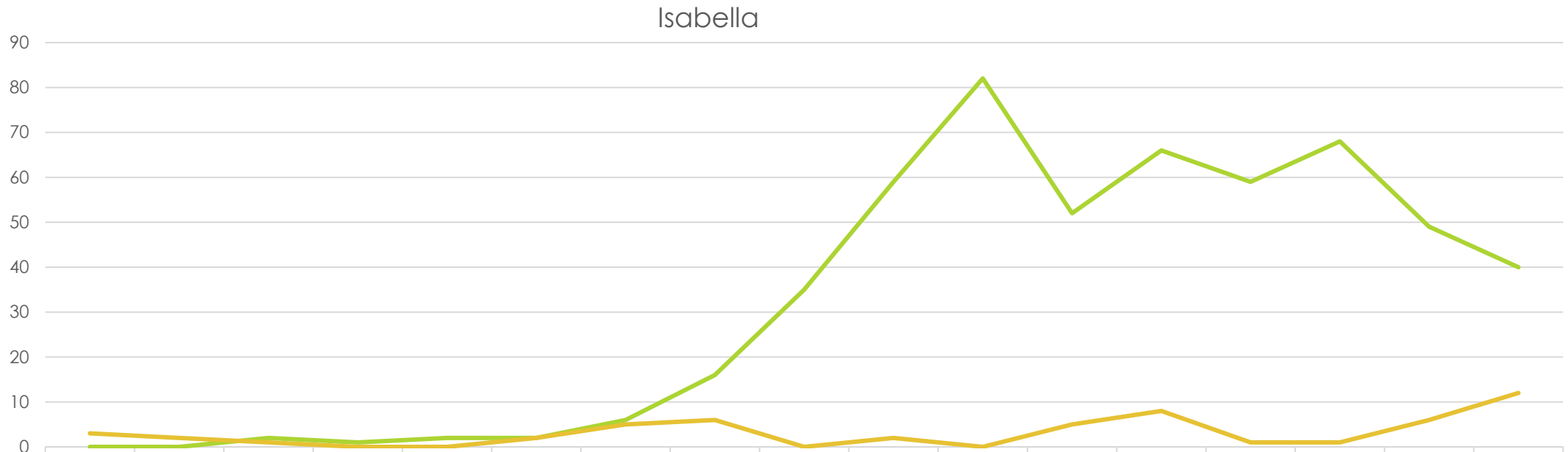
Gladwin 2021	0	0	1	1	3	1	2	10	3	5	27	39	23	12	8	16	9
Gladwin 2020	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	3	1

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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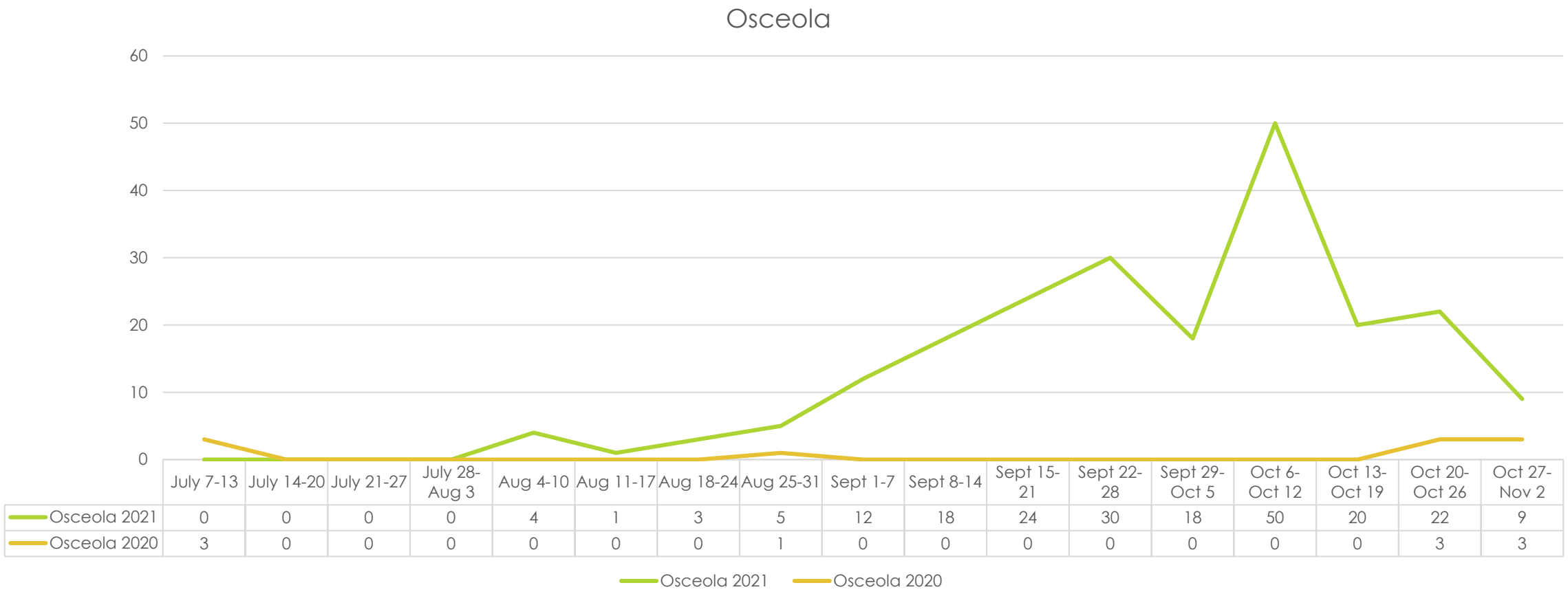
Isabella 2021	0	0	2	1	2	2	6	16	35	59	82	52	66	59	68	49	40
Isabella 2020	3	2	1	0	0	2	5	6	0	2	0	5	8	1	1	6	12

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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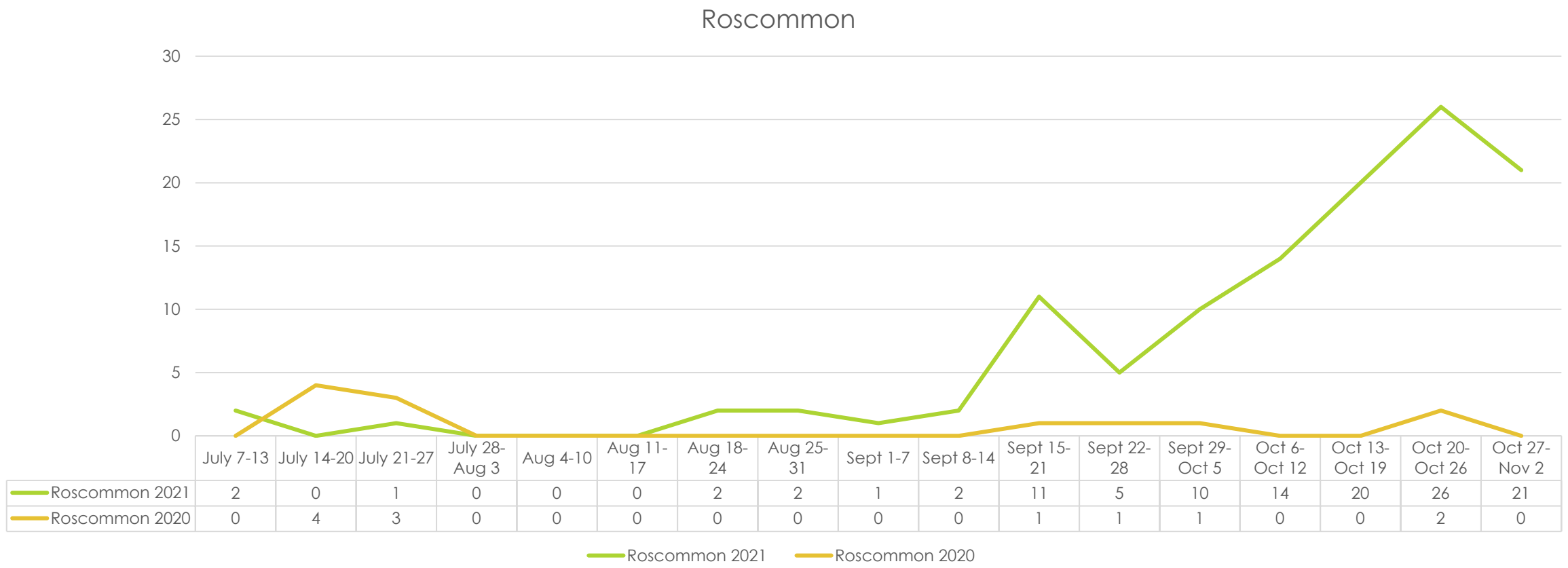
Osceola 2021	0	0	0	0	4	1	3	5	12	18	24	30	18	50	20	22	9
Osceola 2020	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	3

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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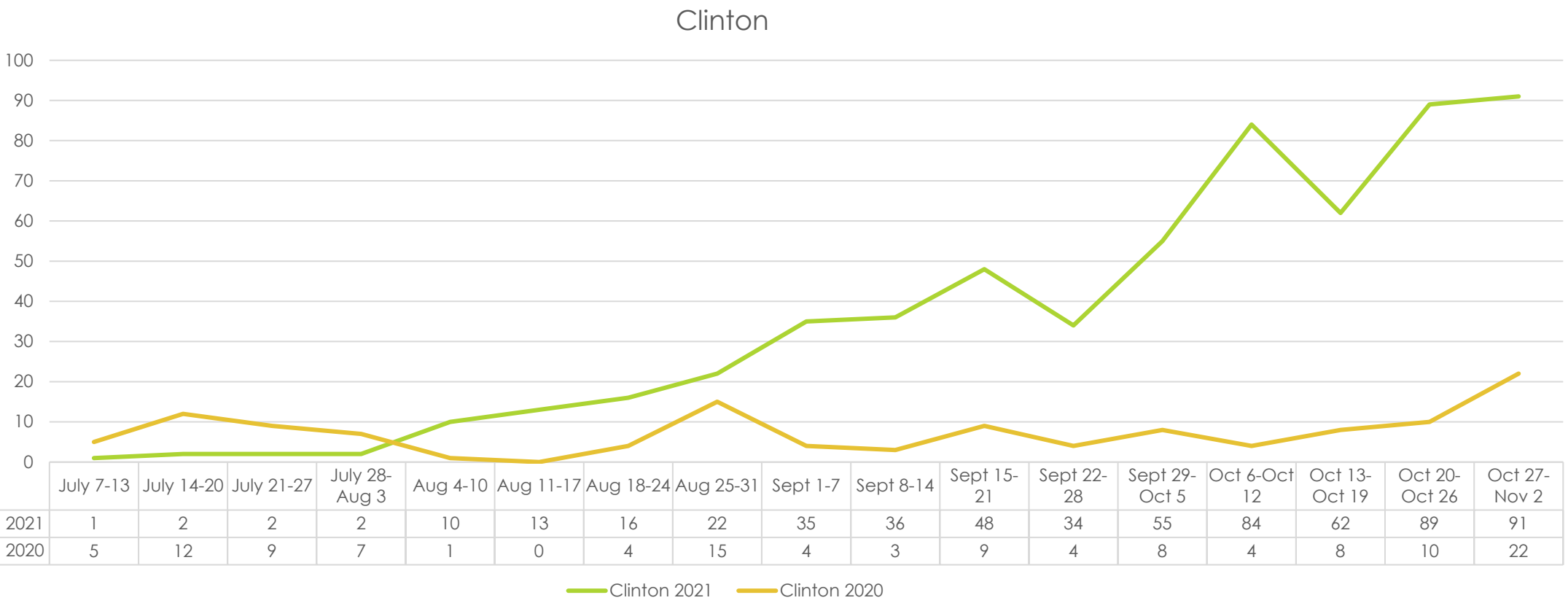
Roscommon 2021	2	0	1	0	0	0	2	2	1	2	11	5	10	14	20	26	21
Roscommon 2020	0	4	3	0	0	0	0	0	0	0	1	1	1	0	0	2	0

MMDHD

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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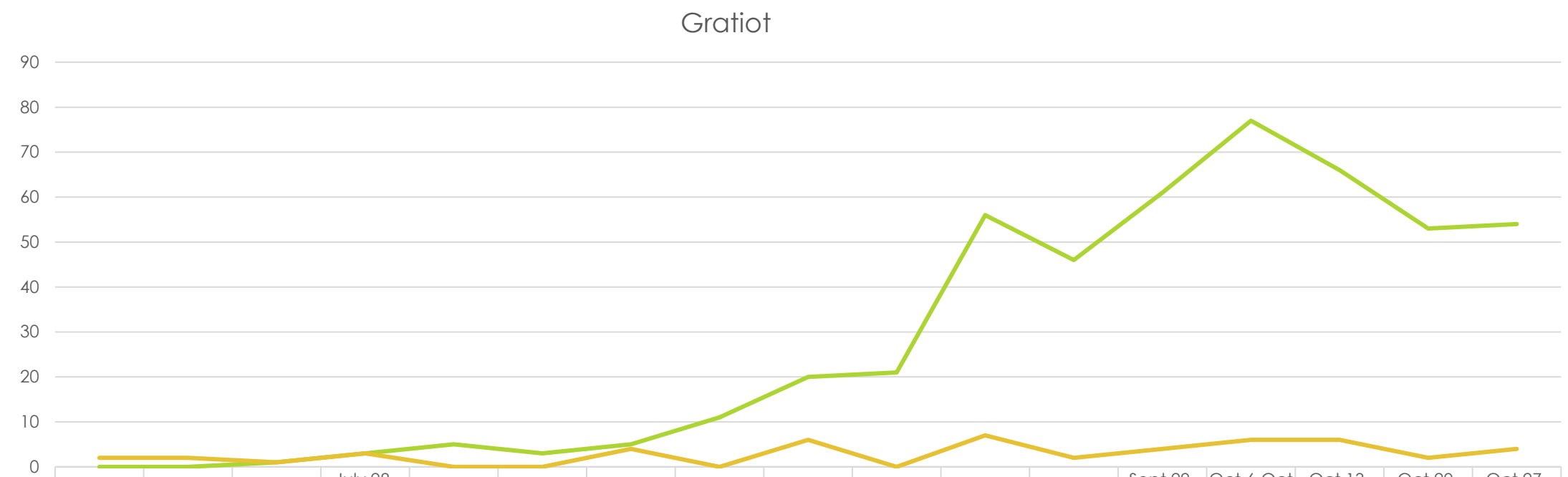
Clinton 2021	1	2	2	2	10	13	16	22	35	36	48	34	55	84	62	89	91
Clinton 2020	5	12	9	7	1	0	4	15	4	3	9	4	8	4	8	10	22

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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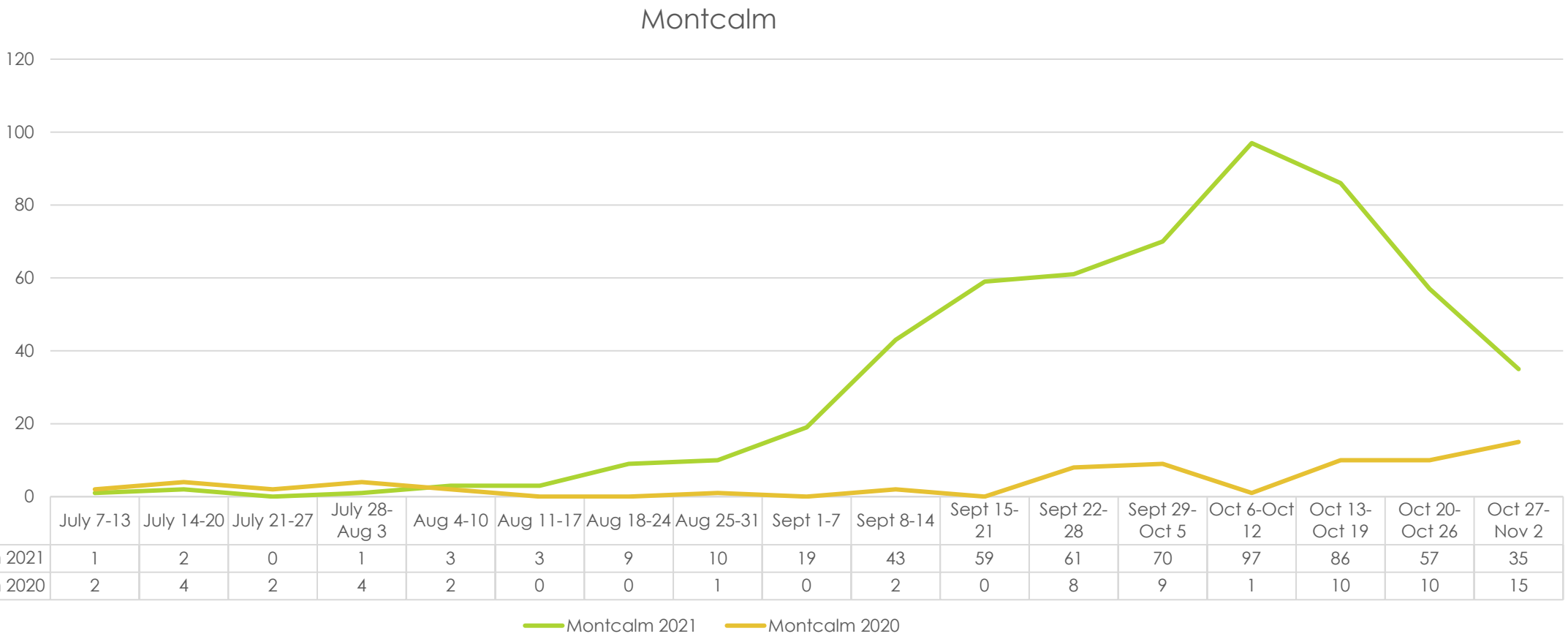
Gratiot 2021	0	0	1	3	5	3	5	11	20	21	56	46	61	77	66	53	54
Gratiot 2020	2	2	1	3	0	0	4	0	6	0	7	2	4	6	6	2	4

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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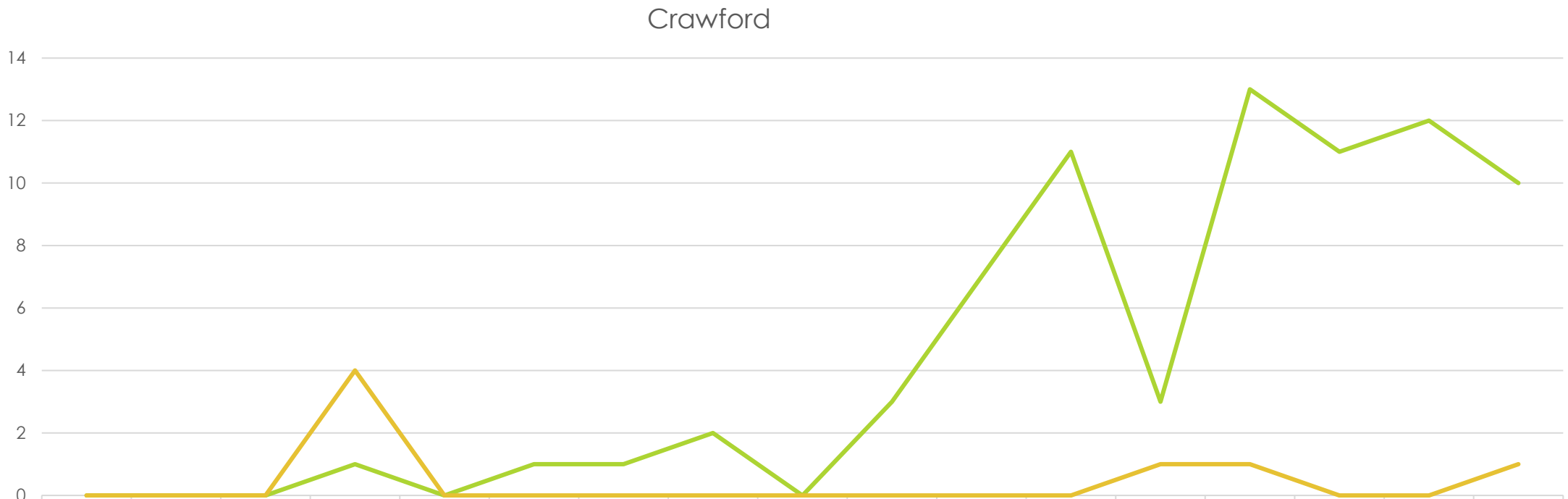
Montcalm 2021	1	2	0	1	3	3	9	10	19	43	59	61	70	97	86	57	35
Montcalm 2020	2	4	2	4	2	0	0	1	0	2	0	8	9	1	10	10	15

DHD10

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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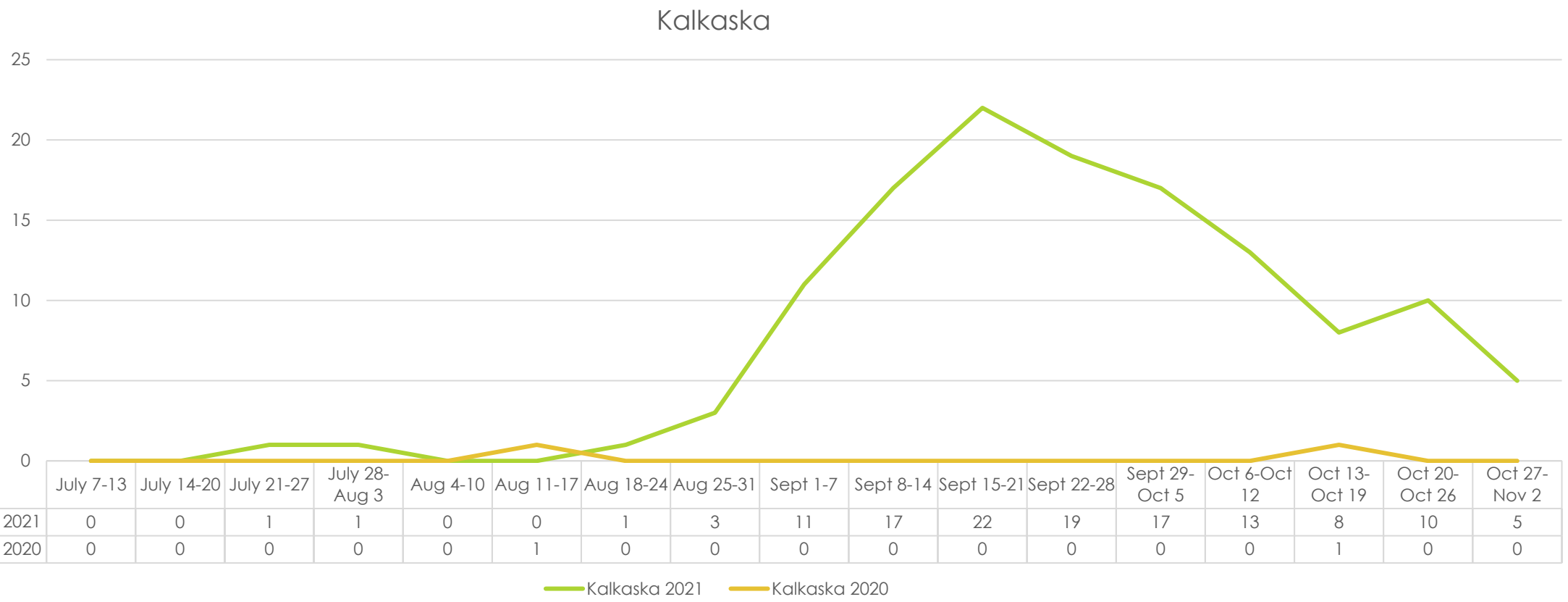
Crawford 2021	0	0	0	1	0	1	1	2	0	3	7	11	3	13	11	12	10
Crawford 2020	0	0	0	4	0	0	0	0	0	0	0	0	1	1	0	0	1

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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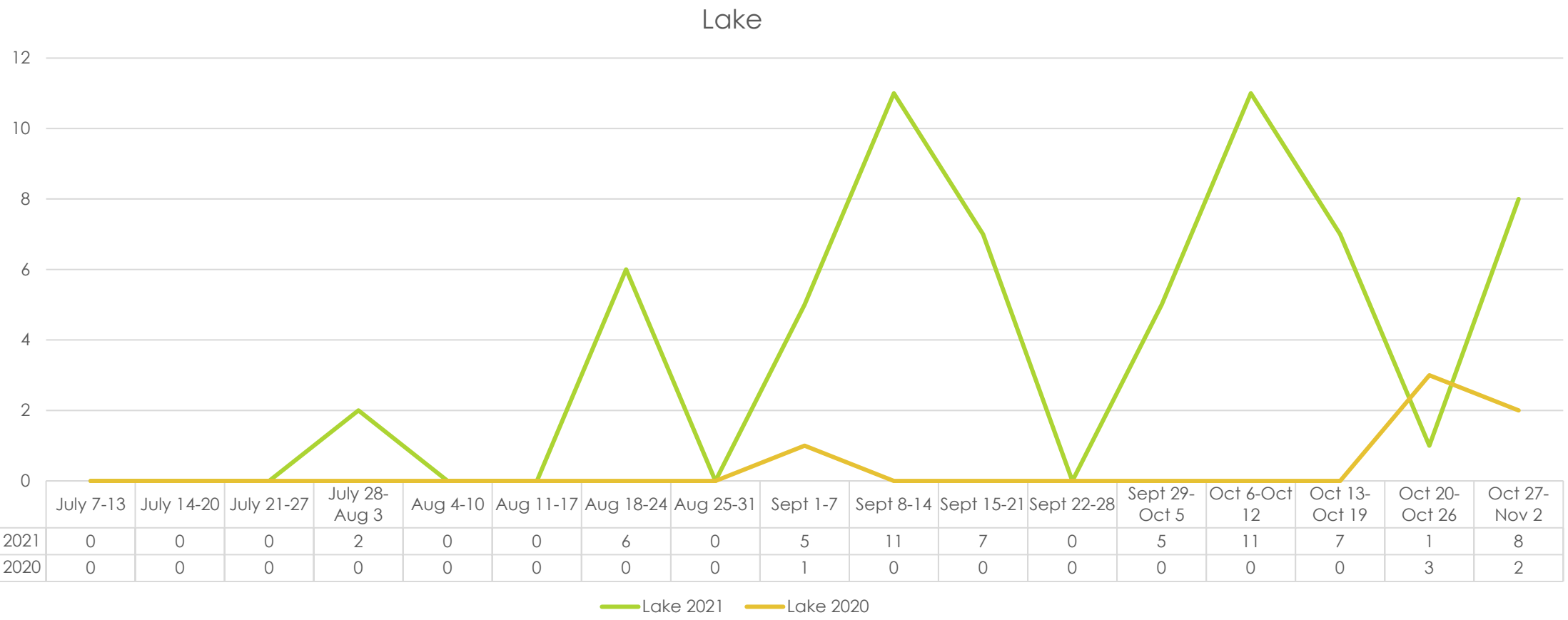
Kalkaska 2021	0	0	1	1	0	0	1	3	11	17	22	19	17	13	8	10	5
Kalkaska 2020	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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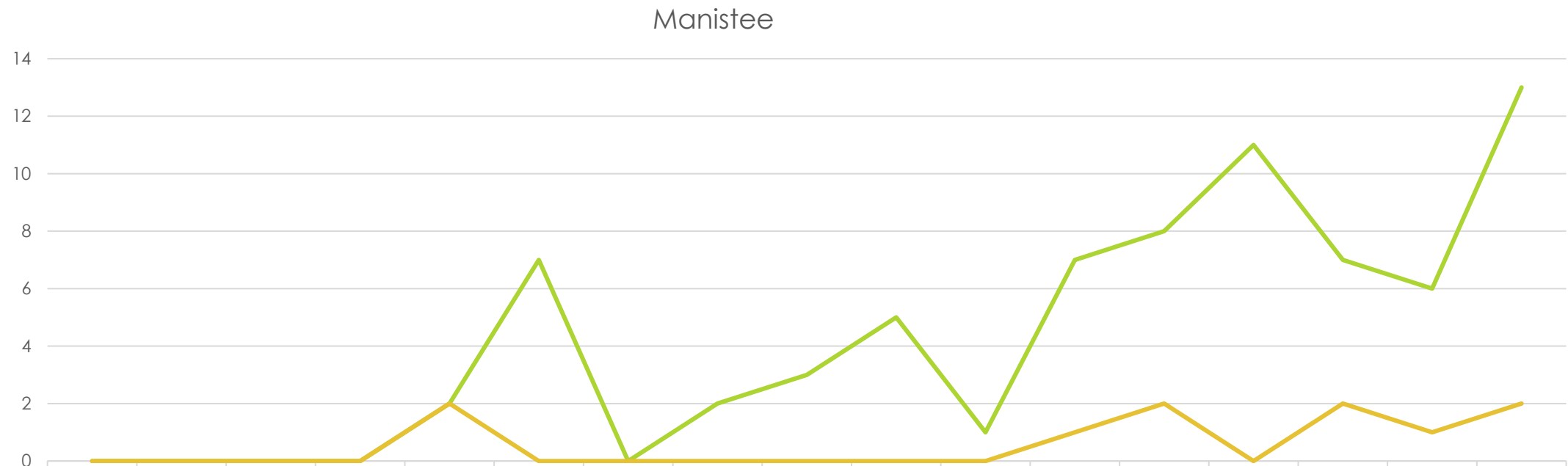
Lake 2021	0	0	0	2	0	0	6	0	5	11	7	0	5	11	7	1	8
Lake 2020	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	2

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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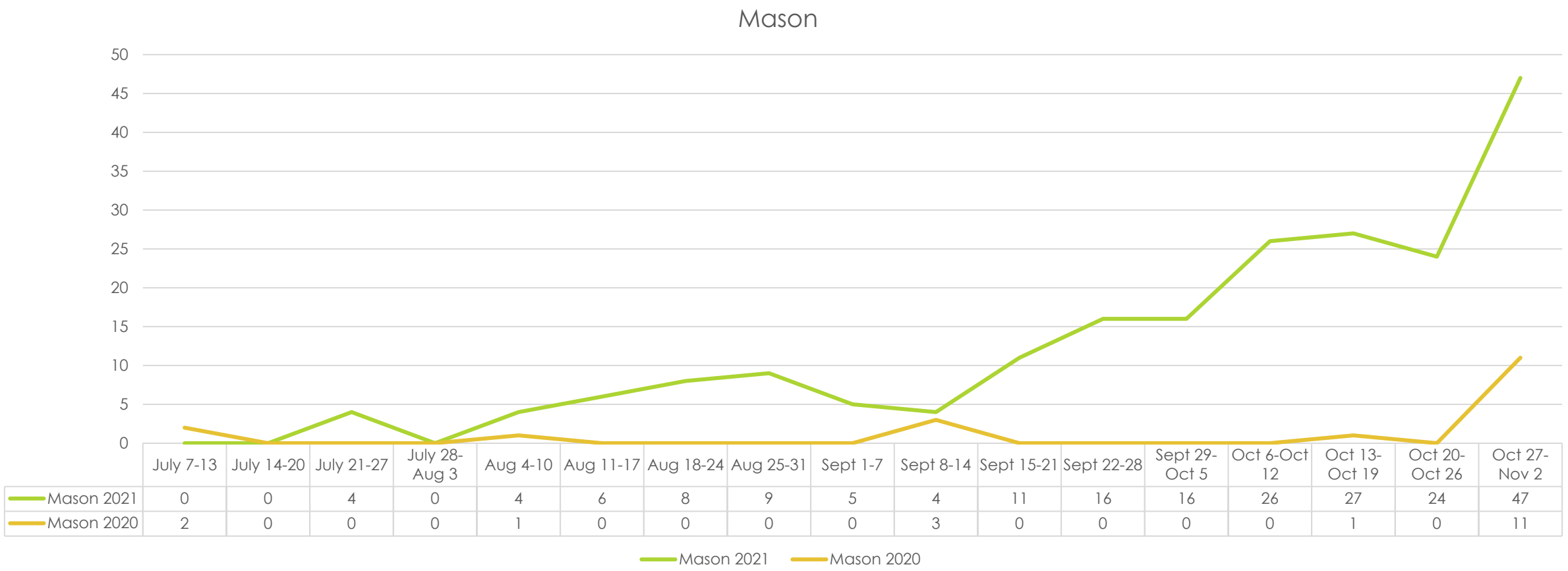
Manistee 2021	0	0	0	0	2	7	0	2	3	5	1	7	8	11	7	6	13
Manistee 2020	0	0	0	0	2	0	0	0	0	0	0	1	2	0	2	1	2

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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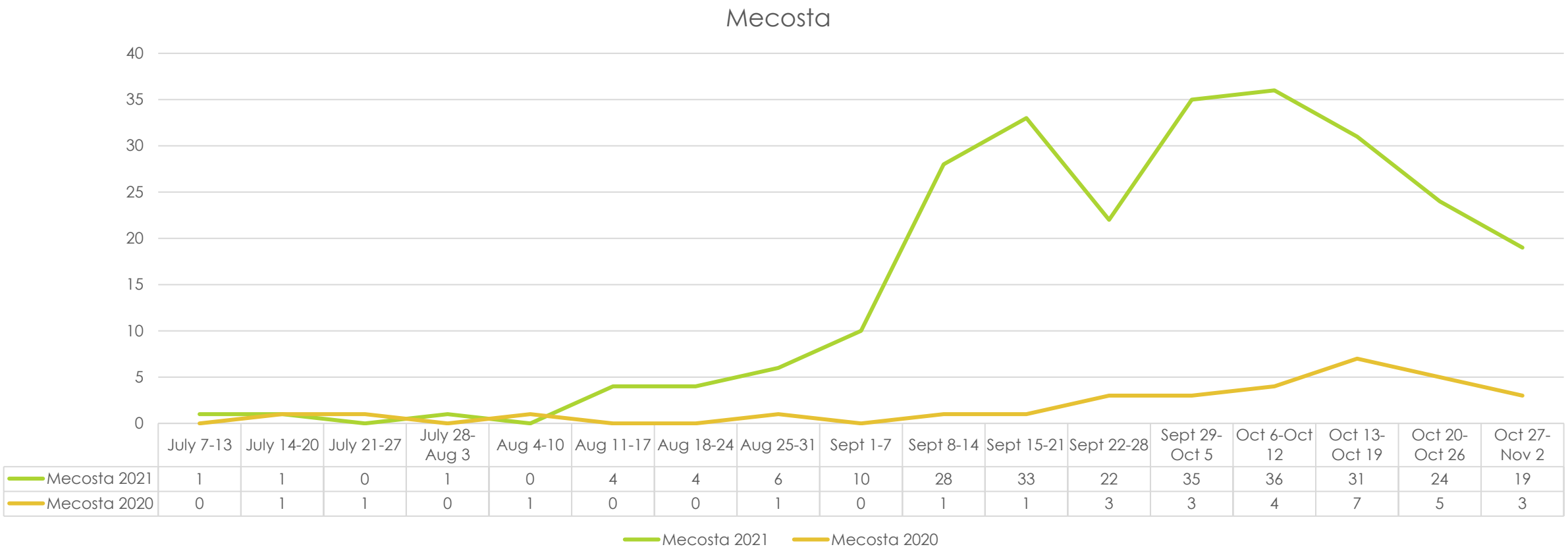
Mason 2021	0	0	4	0	4	6	8	9	5	4	11	16	16	26	27	24	47
Mason 2020	2	0	0	0	1	0	0	0	0	3	0	0	0	0	1	0	11

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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Mecosta 2021	1	1	0	1	0	4	4	6	10	28	33	22	35	36	31	24	19
Mecosta 2020	0	1	1	0	1	0	0	1	0	1	1	3	3	4	7	5	3

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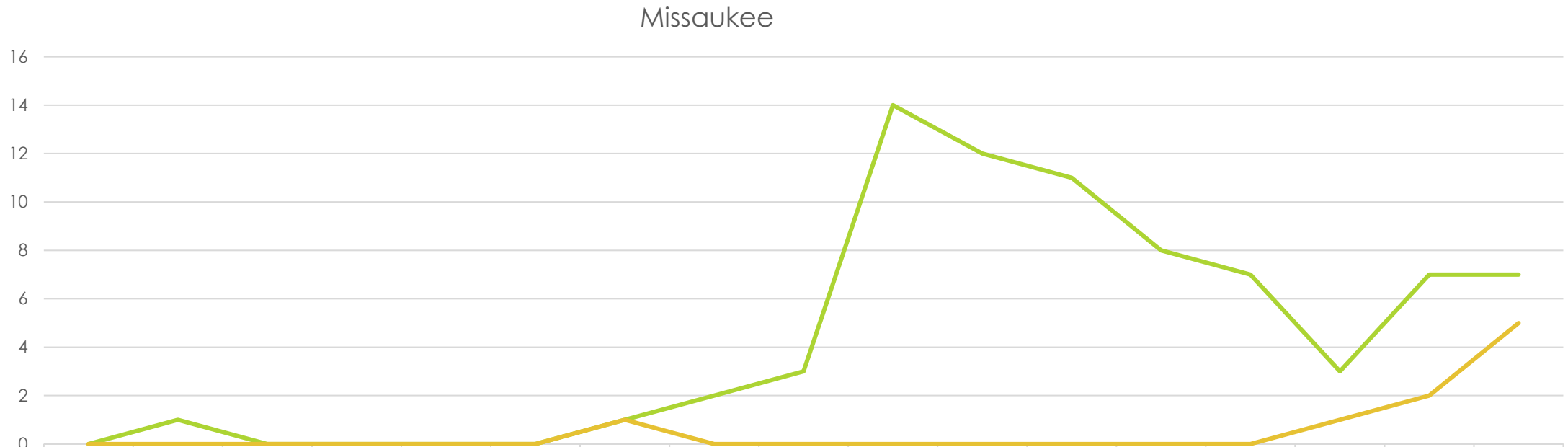

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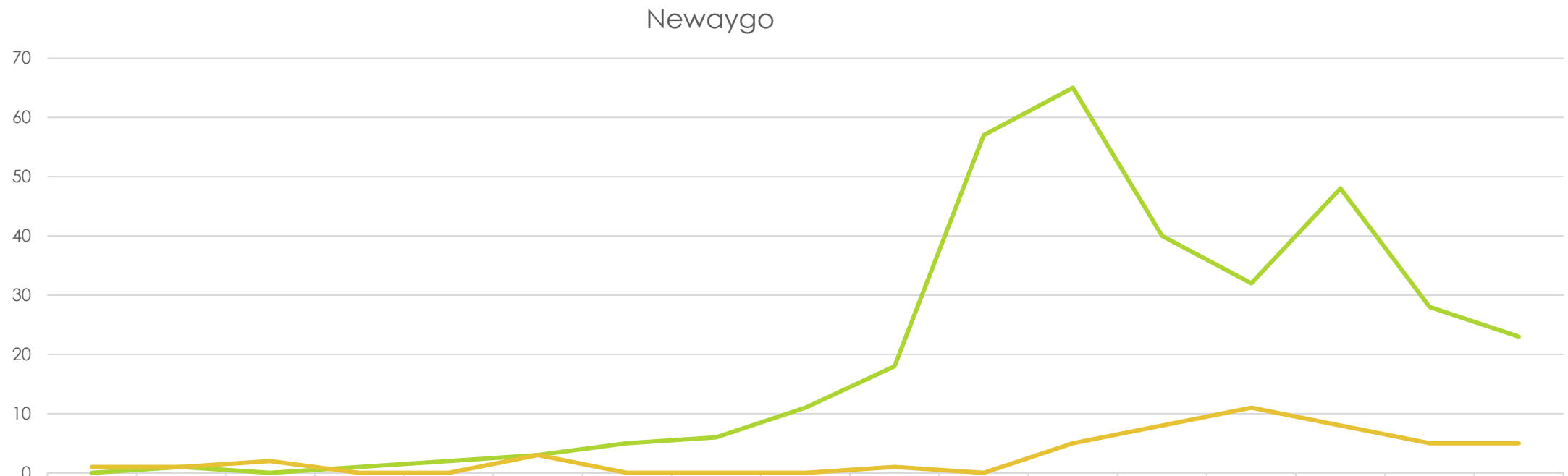
Missaukee 2021	0	1	0	0	0	0	1	2	3	14	12	11	8	7	3	7	7
Missaukee 2020	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	5

COVID Cases 5-18 yrs. of age, weekly 2020 compared to 2021



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Newaygo 2021	0	1	0	1	2	3	5	6	11	18	57	65	40	32	48	28	23
Newaygo 2020	1	1	2	0	0	3	0	0	0	1	0	5	8	11	8	5	5

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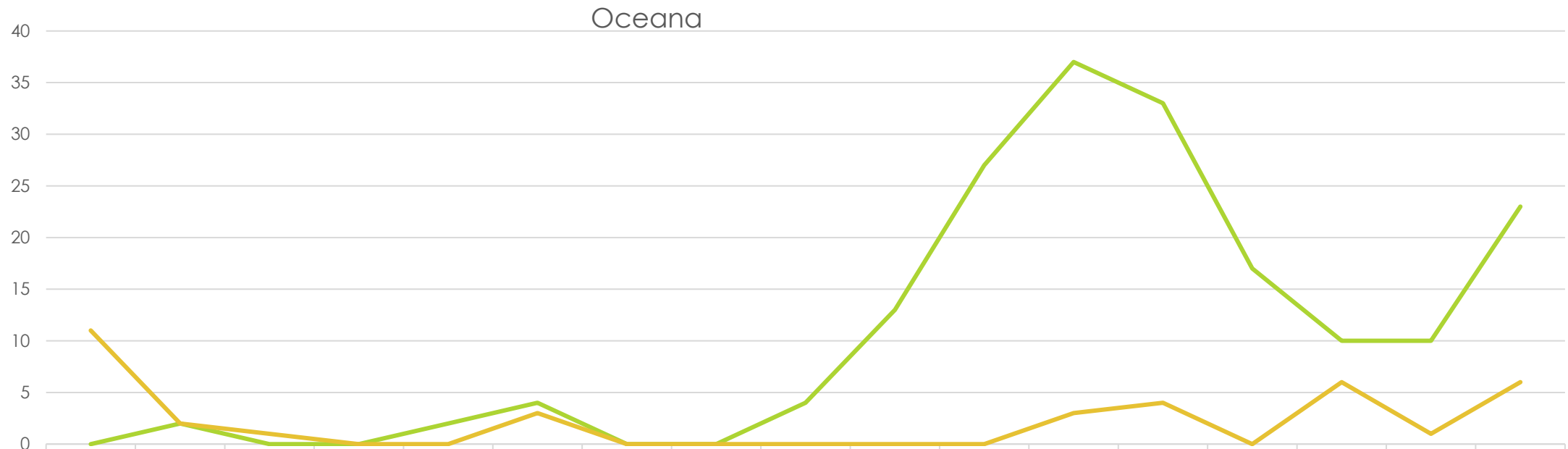

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Oceana 2021	0	2	0	0	2	4	0	0	4	13	27	37	33	17	10	10	23
Oceana 2020	11	2	1	0	0	3	0	0	0	0	0	3	4	0	6	1	6

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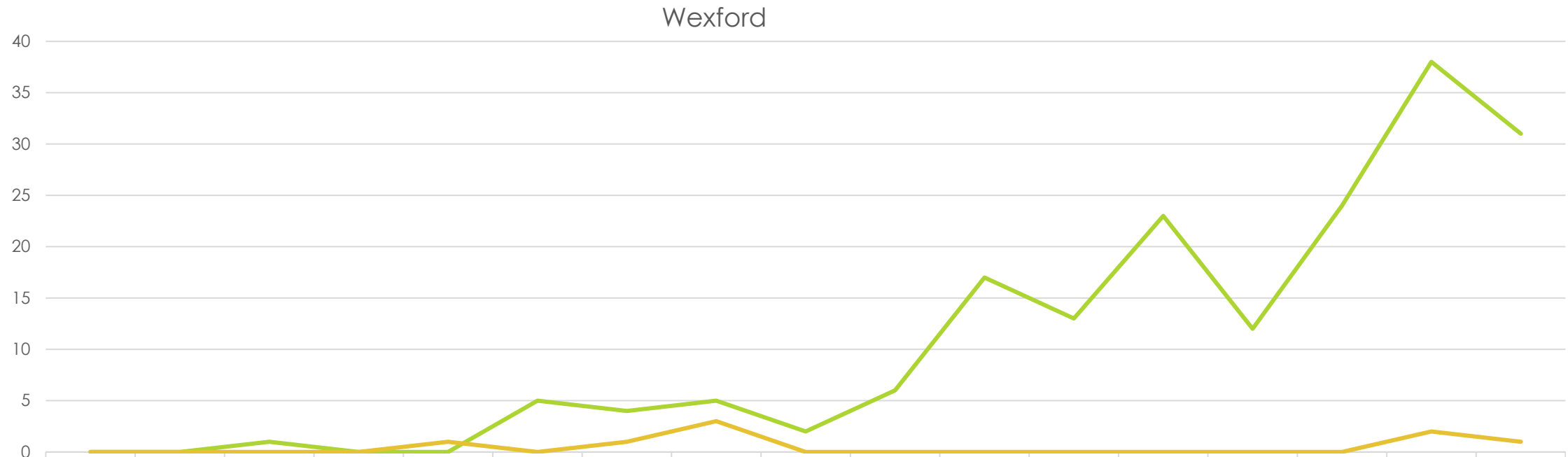

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Wexford 2021	0	0	1	0	0	5	4	5	2	6	17	13	23	12	24	38	31
Wexford 2020	0	0	0	0	1	0	1	3	0	0	0	0	0	0	0	2	1

MI COVID Response Data and Modeling Update-November 2, 2021

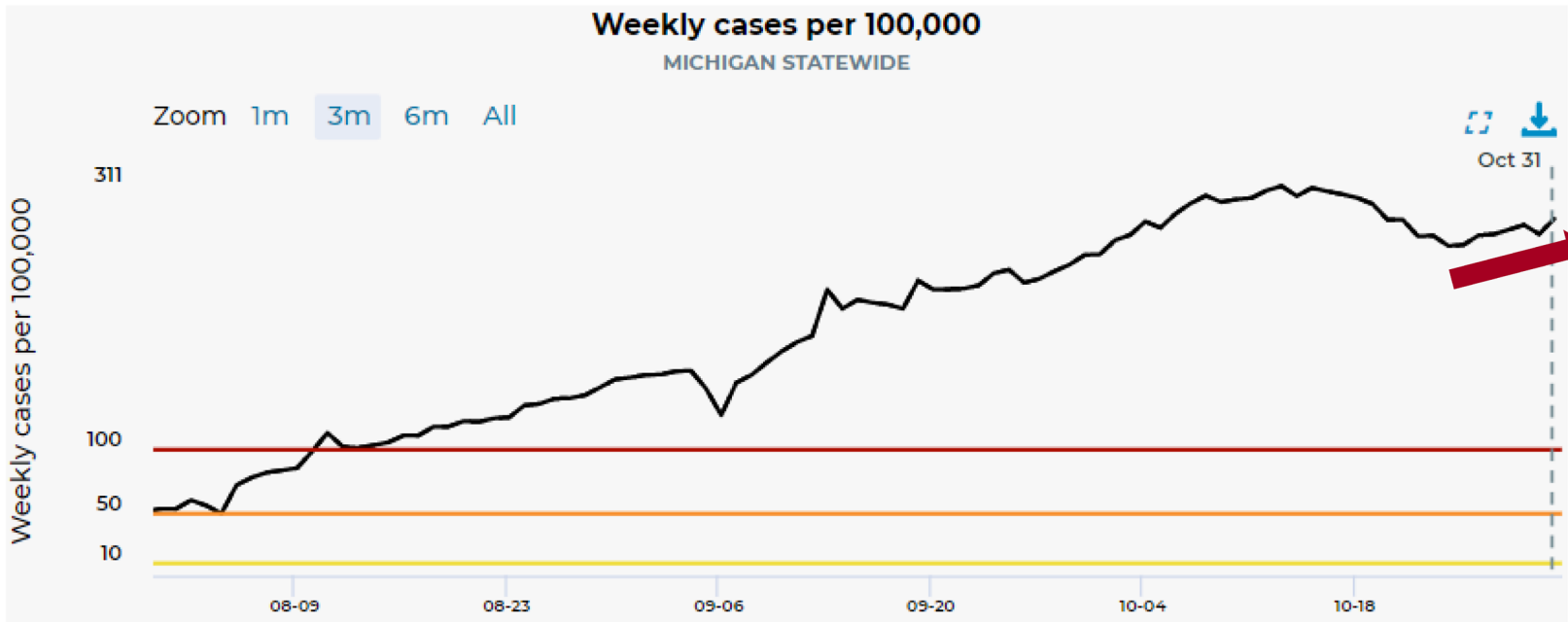
https://www.michigan.gov/coronavirus/0,9753,7-406-98163_98173_105123---,00.html

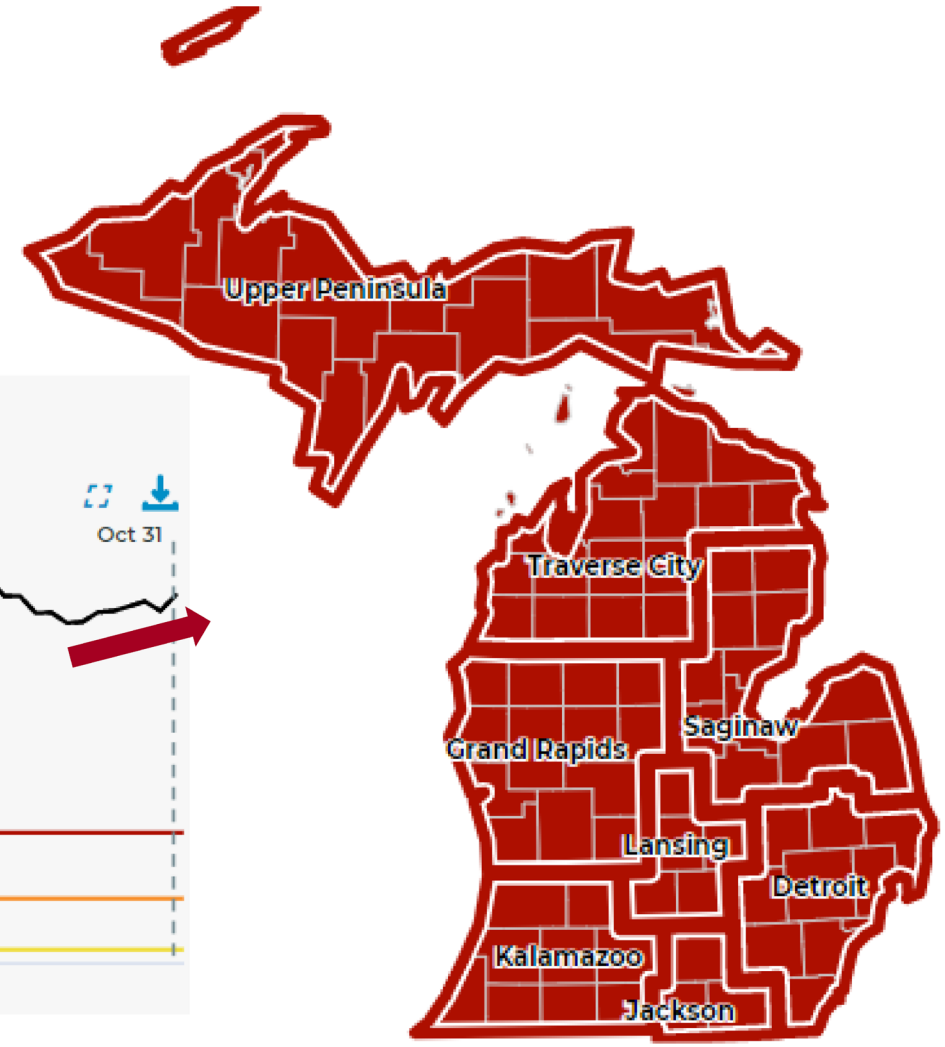
Overview of Michigan

- Statewide positivity is 11.6% (last week: 11.4%)
  - The general trend is a plateau over the past several weeks
- Case rate has decreased to 283.8 cases/million (last week: 312.8 cases/million)
  - Decreasing now for about 2 weeks
  - 10-19-years-olds are experiencing the greatest case burden (515 daily cases; 410.4 cases/mil)
- Michigan is at High Transmission level
  - All counties in Michigan are at high transmission level

Michigan at High Transmission Level

[Dashboard | CDC | MI Start Map](#) for most recent data by reporting date



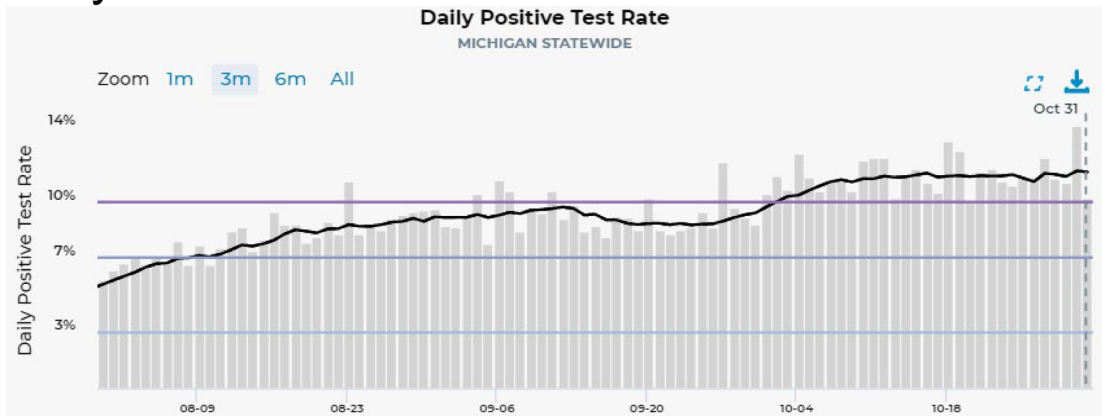


- Most recent data using referral date show increases in case trends (red arrow)

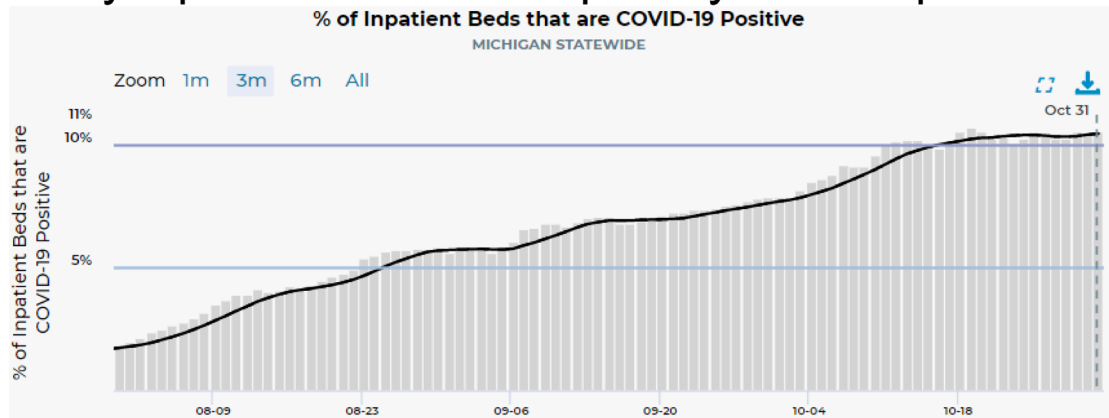
Time Trends – Positivity, Case Rates, Hospitalizations, Deaths

- Core COVID-19 indicators show that transmission and burden remain high in Michigan

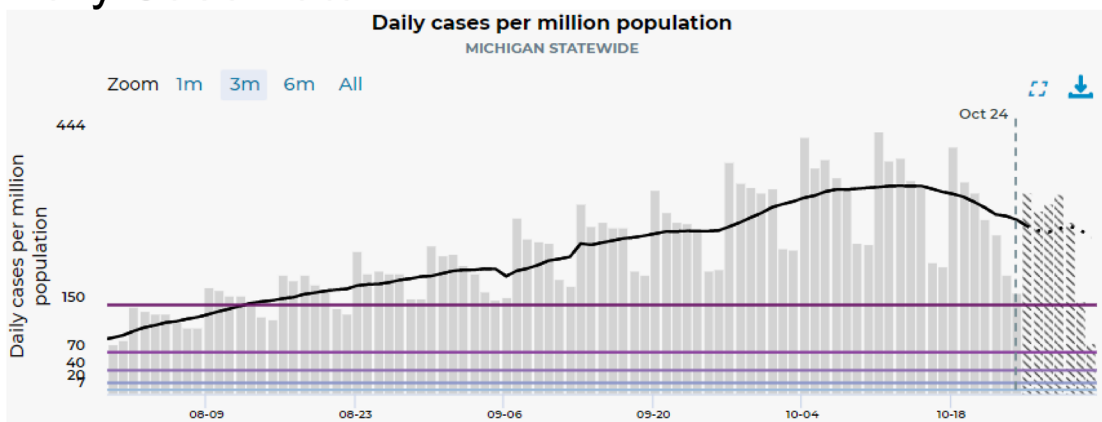
Daily Positive Test Rate



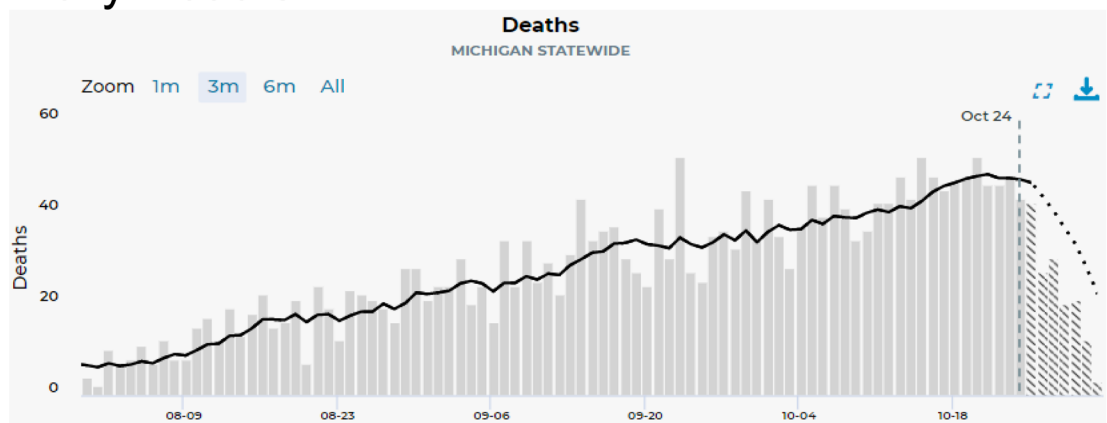
Daily Inpatient Beds Occupied by COVID patients



Daily Case Rate

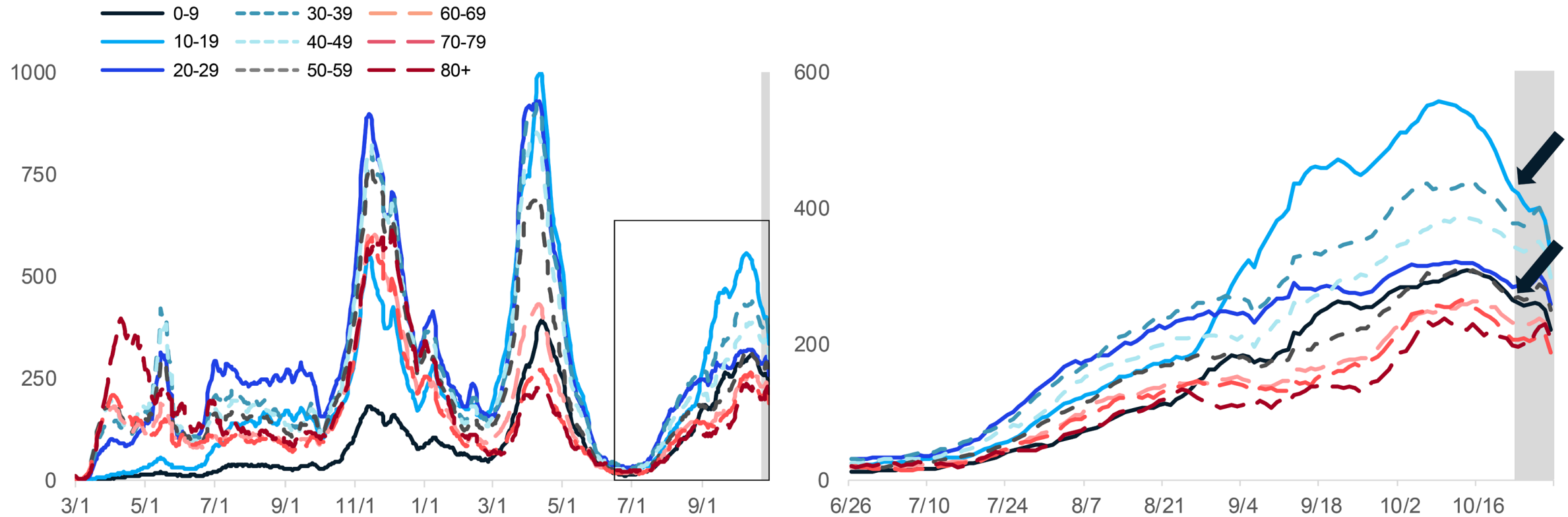


Daily Deaths



Case Rate Trends by Age Group

Daily new confirmed and probable cases per million by age group (7-day rolling average)

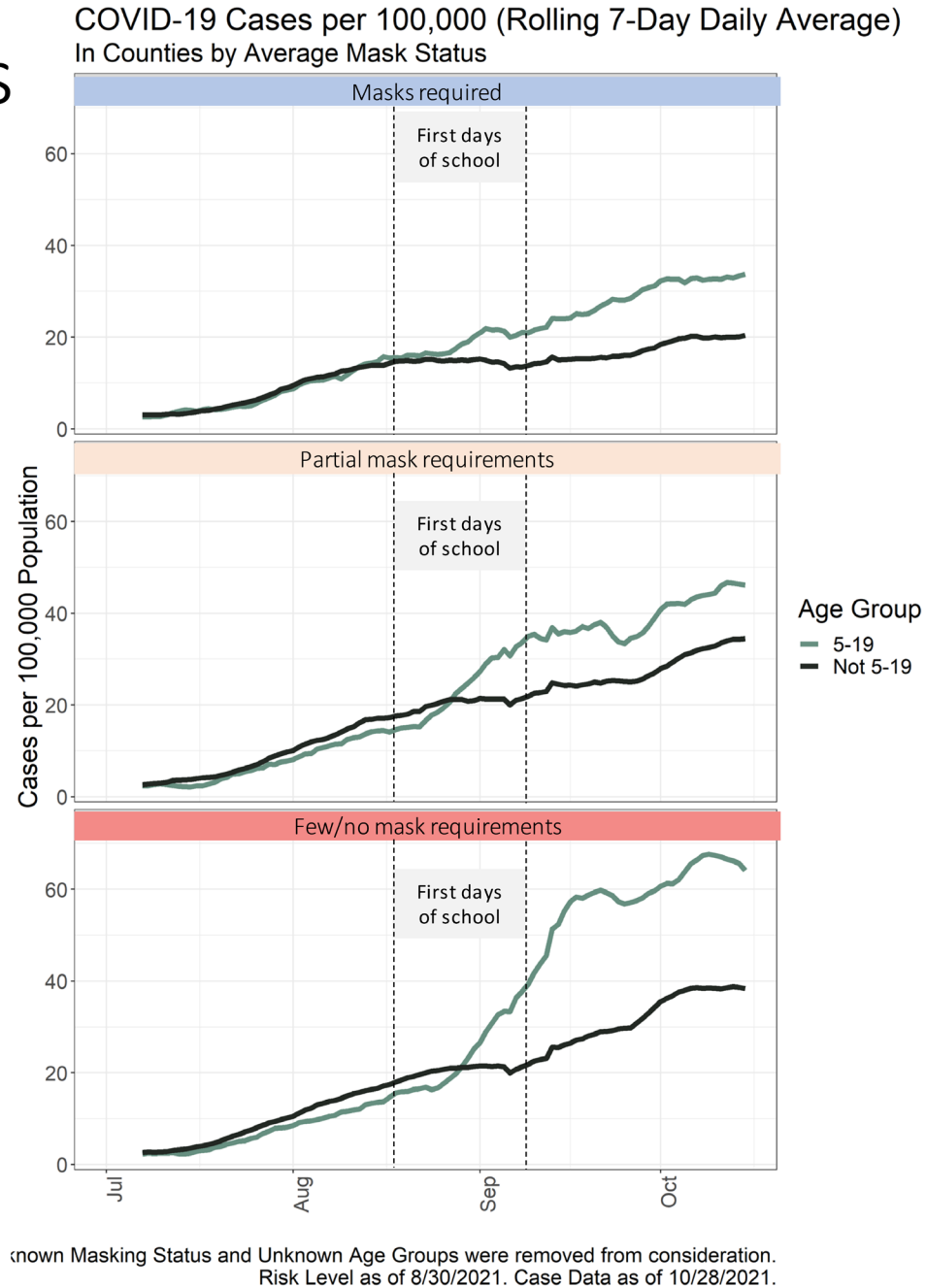


- Case rate trends for all age groups are currently decreasing or plateaued
- Case rates for all age groups are between 178 and 410 cases per million (through 10/25)
- Case rates remain highest for 10-19-year-olds

Note: Case information sourced from MDHHS and reflects date of onset of symptoms
Source: MDHHS – Michigan Disease Surveillance System

Back-to-school saw case rate increases for all ages. Increases were highest for counties without school masking.

- All mask levels and age groups had similar case rates prior to the back-to-school period
- During back to school, all counties saw some increase in case rates, with higher increases for school aged populations
- However, increases were larger for counties with fewer mask requirements
- In counties without school mask requirements, case rates more than tripled after back-to-school for school-aged individuals, and ~doubled for non-school-aged individuals



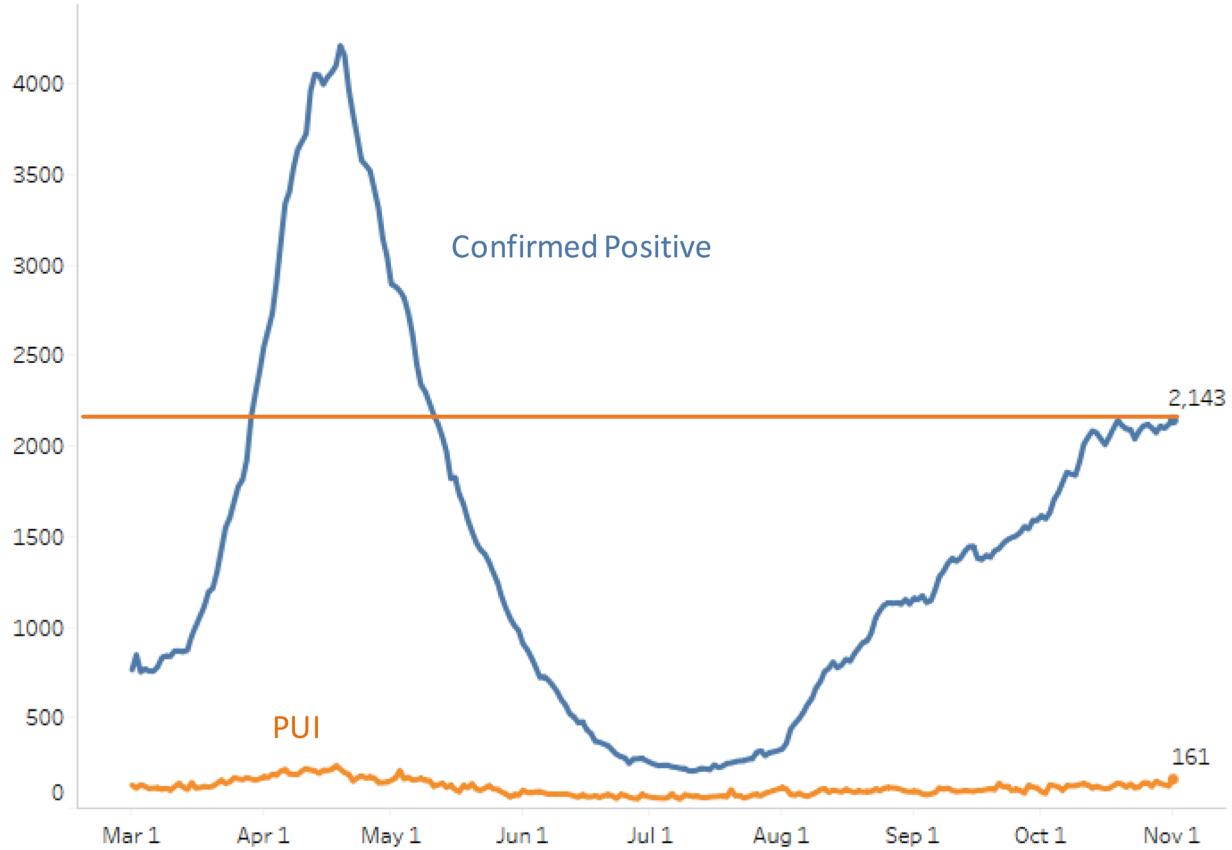
‹nown Masking Status and Unknown Age Groups were removed from consideration.
Risk Level as of 8/30/2021. Case Data as of 10/28/2021.

PUBLIC HEALTH

Cases from MDSS were examined at the county level (so that non-school age population counts were available) using a district mask risk level from the back to school period, averaged to the county level. Mask levels from EOG School District Mask Policy Tracker.

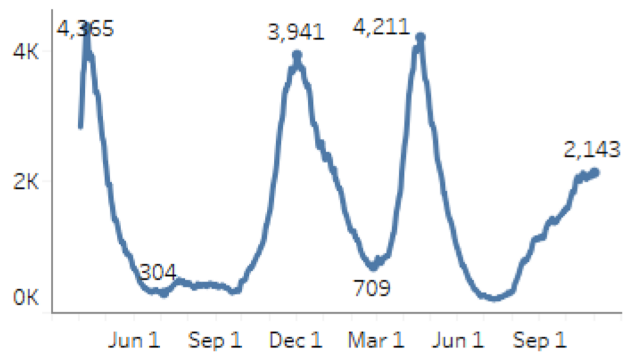
Statewide Hospitalization Trends: Total COVID+ Census

Hospitalization Trends 3/1/2021 – 11/1/2021
Confirmed Positive & Persons Under Investigation (PUI)



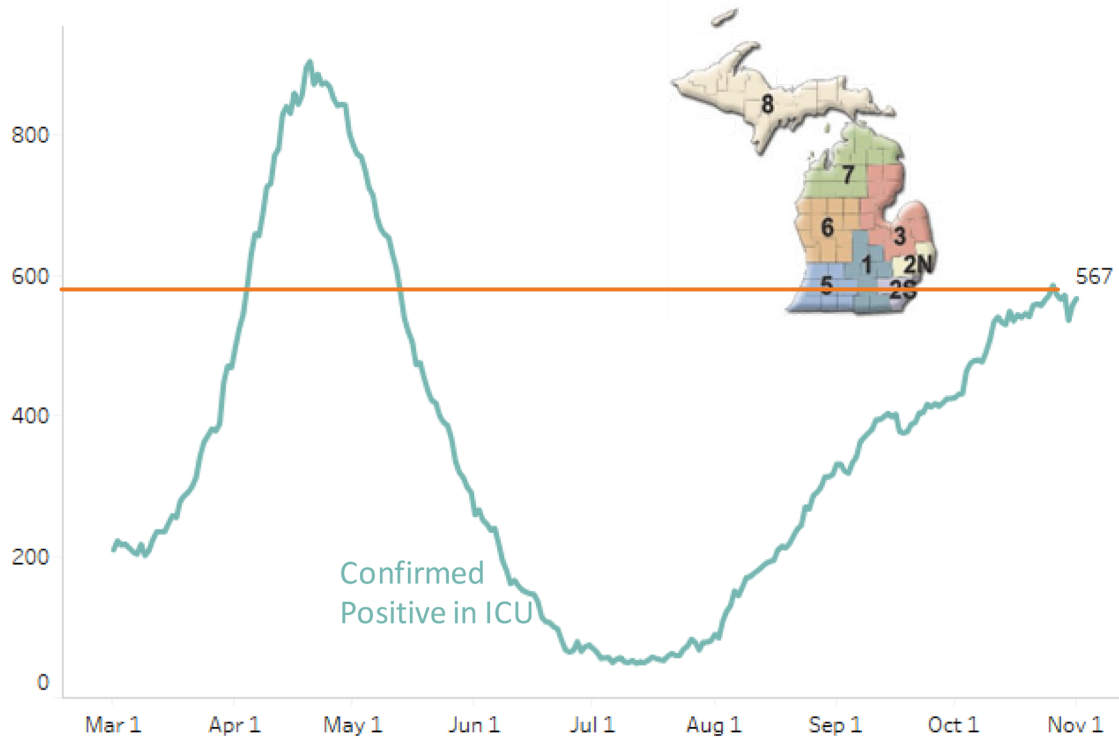
COVID+ census in hospitals this week is essentially flat and has been flat for the past 2+ weeks.

Hospitalized COVID Positive Long Term Trend (beginning March 2020)



Statewide Hospitalization Trends: ICU COVID+ Census

Hospitalization Trends 3/1/2021 – 11/1/2021
Confirmed Positive in ICUs

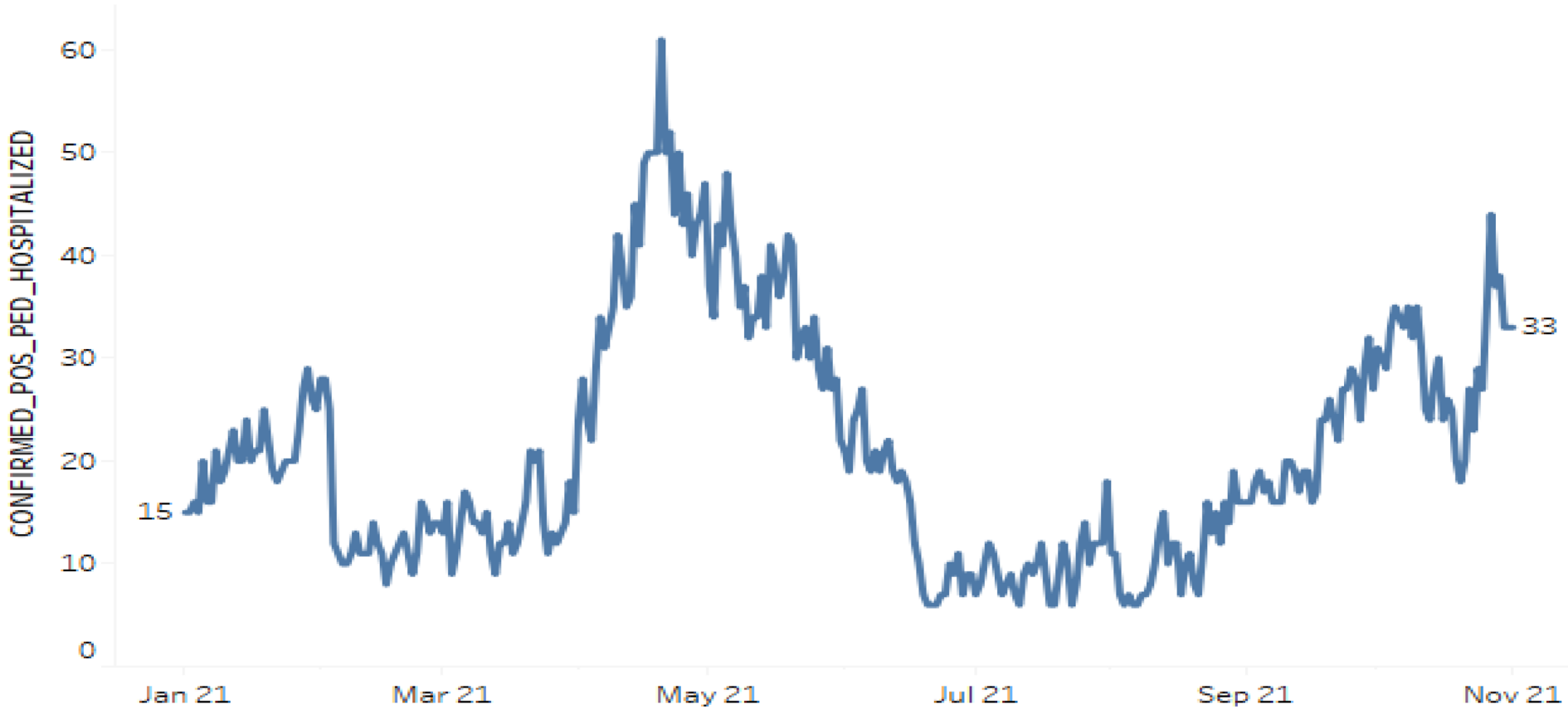


The census of COVID+ patients in the ICU is flat compared to last week. Regions 2N, 6 and 7 showed growth while the rest of the state declined.

Regions 1 and 3 have overall adult ICU occupancy greater than or equal to 90%. Regions 6 and 7 have more than 30% of Adult ICU beds filled with COVID+ patients.

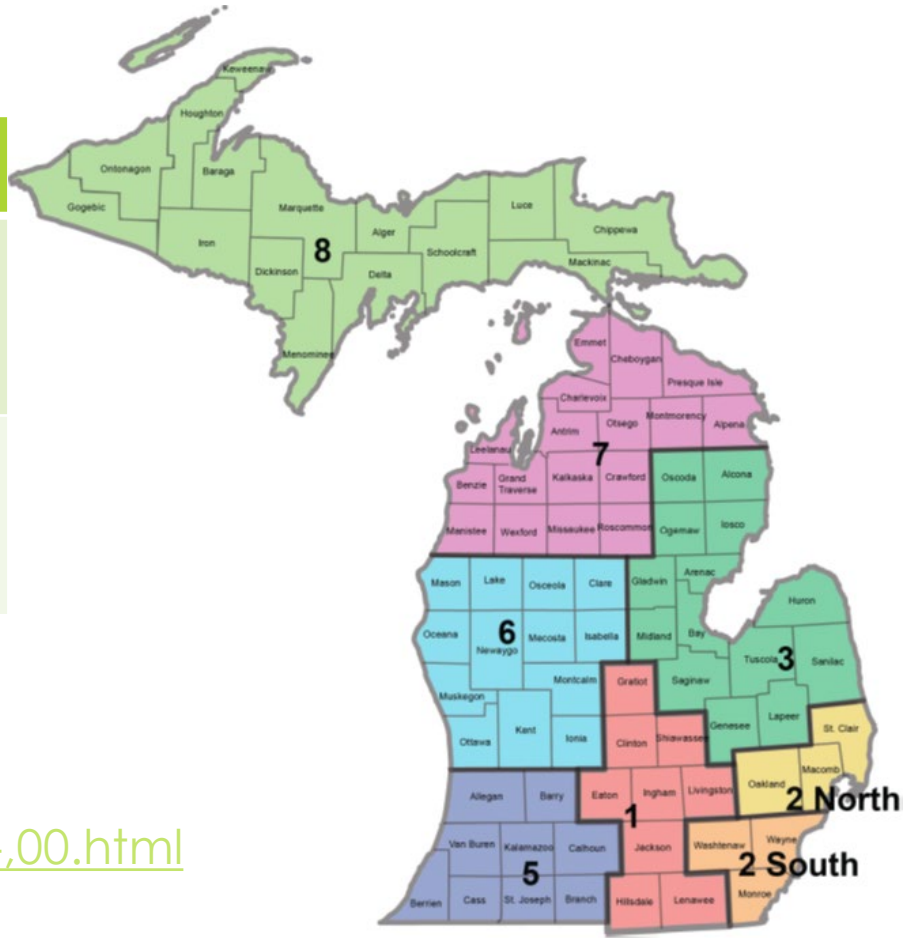
Region	Adult COVID+ in ICU (% Δ from last week)	Adult ICU Occupancy	% of Adult ICU beds COVID+
Region 1	55 (-14%)	90%	28%
Region 2N	99 (4%)	75%	18%
Region 2S	134 (-2%)	84%	19%
Region 3	89 (-2%)	91%	26%
Region 5	37 (0%)	71%	20%
Region 6	96 (10%)	79%	37%
Region 7	46 (5%)	79%	33%
Region 8	11 (-31%)	71%	17%

Statewide Hospitalization Trends: Pediatric COVID+ Census



COVID-19 Pediatric Hospitalizations 10/27/2021
Updated Monday, Wednesday & Friday

HCC Region	Region 1	Region 3	Region 6	Region 7
Hospitalized Peds Confirmed/Suspected	3 (was 1)	1 (was 5)	**9 (was 14)**	0 (was 1)
Hospitalized Ped Confirmed-Positive	2 (was 1)	1 (was 5)	**10 (was 13)**	0 (was 1)

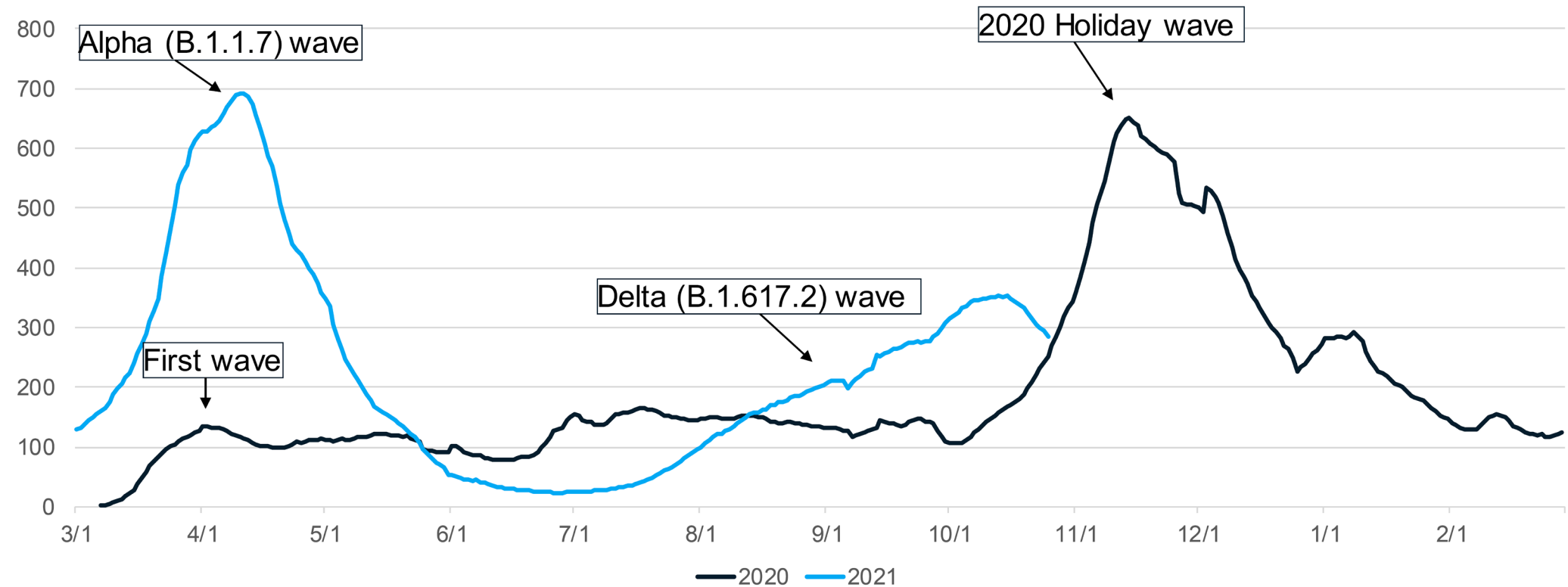


https://www.michigan.gov/coronavirus/0,9753,7-406-98159-523641--,00.html

Time Trends – Annual Comparison

- We are heading into the winter months (and holiday season) starting at higher cases rates than last year

7- day rolling average of Rates 2020 vs 2021



Cumulative COVID-19 Cases by Vaccination Status, Michigan, Jan 15 – Oct 26

Fully Vaccinated People (5,037,024)		
Cases	**Hospitalization**	**Deaths**
Percent of Cases In People Not Fully Vaccinated (552,935 / 621,564) **89.0%**	Percent of Hospitalizations In People Not Fully Vaccinated (14,439 / 16,400) **88.0%**	Percent of Deaths In People Not Fully Vaccinated (6,321 / 7,114) **88.9%**
552,935 Total Cases Not Fully Vaccinated	**14,439** Total Hospitalized Not Fully Vaccinated	**6,321** Total Deaths Not Fully Vaccinated
Total Breakthrough Cases **68,629**	Total Breakthrough Hospitalizations **1,961**	Total Breakthrough Deaths **793**
1.362% Percent of Fully Vaccinated People who Developed COVID-19 (68,629 / 5,037,024)	**0.039%** Percent of Fully Vaccinated People Who Were Hospitalized for COVID-19 (1,961 / 5,037,024)	**0.016%** Percent of Fully Vaccinated People Who Died of COVID-19 (793 / 5,037,024)
11.0% Percent of Cases Who Were Fully Vaccinated (68,629 / 621,564)	**12.0%** Percent of Hospitalizations Who Were Fully Vaccinated (1,961 / 16,400)	**11.1%** Percent of Deaths Who Were Fully Vaccinated (793 / 7,114)
Total Cases: **621,564**	Total Hospitalizations: **16,400**	Total Deaths: **7,114**

Michigan Disease Surveillance System may underestimate the frequency of COVID-19 hospitalizations:
- Case investigation and follow-up is more difficult for individuals who get vaccinated (e.g., they are too ill to speak to investigators, don't answer their phone, or otherwise).
- These hospitalizations include individuals who are hospitalized for issues other than COVID19 (the same as breakthrough COVID-19).
- Individuals who get hospitalization will lag after infection and may occur after case investigation.

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552,935 Total Cases Not Fully Vaccinated	**14,439** Total Hospitalized Not Fully Vaccinated	**6,321** Total Deaths Not Fully Vaccinated
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- Individuals who get hospitalization will lag after infection and may occur after case investigation.

Cumulative COVID-19 Cases by Vaccination Status, Michigan, Jan 15 – Sep 28

Fully Vaccinated People (4,888,124)		
Cases	**Hospitalization**	**Deaths**
Percent of Cases In People Not Fully Vaccinated (488,965 / 521,767) **93.7%**	Percent of Hospitalizations In People Not Fully Vaccinated (13,279 / 14,575) **91.1%**	Percent of Deaths In People Not Fully Vaccinated (5,545 / 6,033) **91.9%**
488,965 Total Cases Not Fully Vaccinated	**13,279** Total Hospitalized Not Fully Vaccinated	**5,545** Total Deaths Not Fully Vaccinated
Total Breakthrough Cases **32,802**	Total Breakthrough Hospitalizations **1,296**	Total Breakthrough Deaths **488**
0.671% Percent of Fully Vaccinated People who Developed COVID-19 (32,802/ 4,888,124)	**0.027%** Percent of Fully Vaccinated People Who Were Hospitalized for COVID-19 (1,296 / 4,888,124)	**0.0010%** Percent of Fully Vaccinated People Who Died of COVID-19 (488 / 4,888,124)
6.3% Percent of Cases Who Were Fully Vaccinated (32,802 / 521,767)	**8.9%** Percent of Hospitalizations Who Were Fully Vaccinated (1,296 / 14,575)	**8.1%** Percent of Deaths Who Were Fully Vaccinated (488 / 6,033)
Total Cases: **521,767**	Total Hospitalizations: **14,575**	Total Deaths: **6,033**

Michigan Disease Surveillance System may underestimate the frequency of COVID-19 hospitalizations:
- Case investigation and follow-up is more difficult for individuals who get vaccinated (e.g., they are too ill to speak to investigators, don't answer their phone, or otherwise).
- These hospitalizations include individuals who are hospitalized for issues other than COVID19 (the same as breakthrough COVID-19).
- Individuals who get hospitalization will lag after infection and may occur after case investigation.

Cumulative COVID-19 Cases by Vaccination Status, Michigan, Jan 15 – Aug 31

Fully Vaccinated People (4,720,133)		
Cases	**Hospitalization**	**Deaths**
Percent of Cases In People Not Fully Vaccinated (426,978 / 447,965) **95.3%**	Percent of Hospitalizations In People Not Fully Vaccinated (12,160 / 13,105) **92.8%**	Percent of Deaths In People Not Fully Vaccinated (4,911 / 5,213) **94.2%**
426,978 Total Cases Not Fully Vaccinated	**12,160** Total Hospitalized Not Fully Vaccinated	**4,911** Total Deaths Not Fully Vaccinated
Total Breakthrough Cases **20,987**	Total Breakthrough Hospitalizations **945**	Total Breakthrough Deaths **302**
0.445% Percent of Fully Vaccinated People who Developed COVID-19 (20,987 / 4,720,133)	**0.020%** Percent of Fully Vaccinated People Who Were Hospitalized for COVID-19 (945 / 4,720,133)	**0.006%** Percent of Fully Vaccinated People Who Died of COVID-19 (302 / 4,720,133)
4.7% Percent of Cases Who Were Fully Vaccinated (20,987 / 447,965)	**7.2%** Percent of Hospitalizations Who Were Fully Vaccinated (945 / 13,105)	**5.8%** Percent of Deaths Who Were Fully Vaccinated (302 / 5,213)
Total Cases: **447,965**	Total Hospitalizations: **13,105**	Total Deaths: **5,213**

Michigan Disease Surveillance System may underestimate the frequency of COVID-19 hospitalizations:
- Case investigation and follow-up is more difficult for individuals who get vaccinated (e.g., they are too ill to speak to investigators, don't answer their phone, or otherwise).
- These hospitalizations include individuals who are hospitalized for issues other than COVID19 (the same as breakthrough COVID-19).
- Individuals who get hospitalization will lag after infection and may occur after case investigation.

COVID-19 in Michigan: Cases by Vaccination Status, January 15 – July 28

Fully Vaccinated People (4,631,476)		
Cases	**Hospitalization**	**Deaths**
Percent of Cases In People Not Fully Vaccinated (388,584 / 398,302) **97.6%**	Percent of Hospitalizations In People Not Fully Vaccinated (11,048 / 11,691) **94.5%**	Percent of Deaths In People Not Fully Vaccinated (4,642 / 4,888) **95.0%**
388,584 Total Cases Not Fully Vaccinated	**11,048** Total Hospitalized Not Fully Vaccinated	**4,642** Total Deaths Not Fully Vaccinated
Total Breakthrough Cases **9,718**	Total Breakthrough Hospitalizations **643**	Total Breakthrough Deaths **246**
0.210% Percent of Fully Vaccinated People who Developed COVID-19 (9,718 / 4,631,476)	**0.014%** Percent of Fully Vaccinated People Who Were Hospitalized for COVID-19 (643 / 4,631,476)	**0.005%** Percent of Fully Vaccinated People Who Died of COVID-19 (246 / 4,631,476)
2.4% Percent of Cases Who Were Fully Vaccinated (9,718 / 398,302)	**5.5%** Percent of Hospitalizations Who Were Fully Vaccinated (643 / 11,691)	**5.0%** Percent of Deaths Who Were Fully Vaccinated (246 / 4,888)
Total Cases: **398,302**	Total Hospitalizations: **11,691**	Total Deaths: **4,888**

Michigan Disease Surveillance System may underestimate the frequency of COVID-19 hospitalizations:
- Case investigation and follow-up is more difficult for individuals who get vaccinated (e.g., they are too ill to speak to investigators, don't answer their phone, or otherwise).
- These hospitalizations include individuals who are hospitalized for issues other than COVID19 (the same as breakthrough COVID-19).
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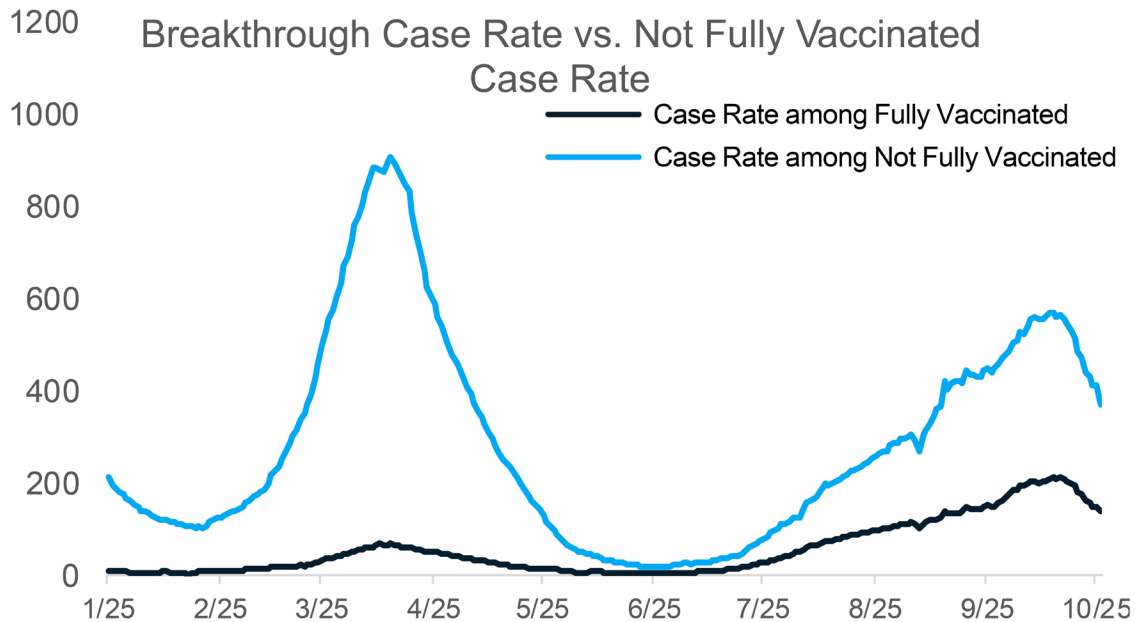
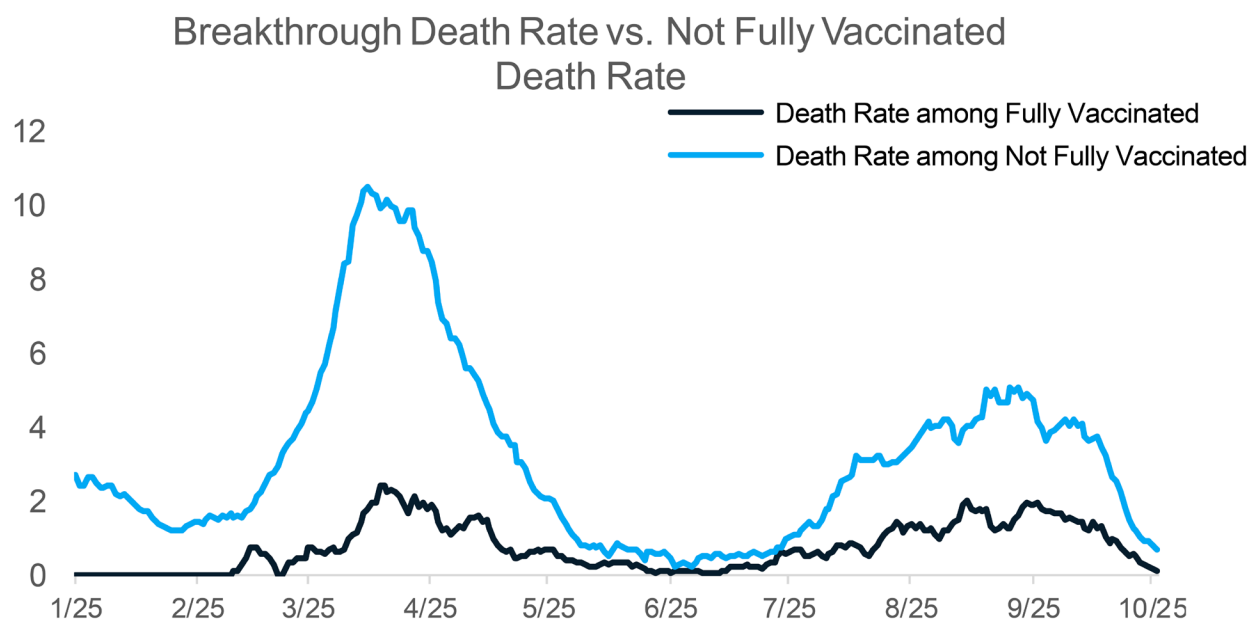
COVID-19 Vaccination Breakthrough Cases and Deaths

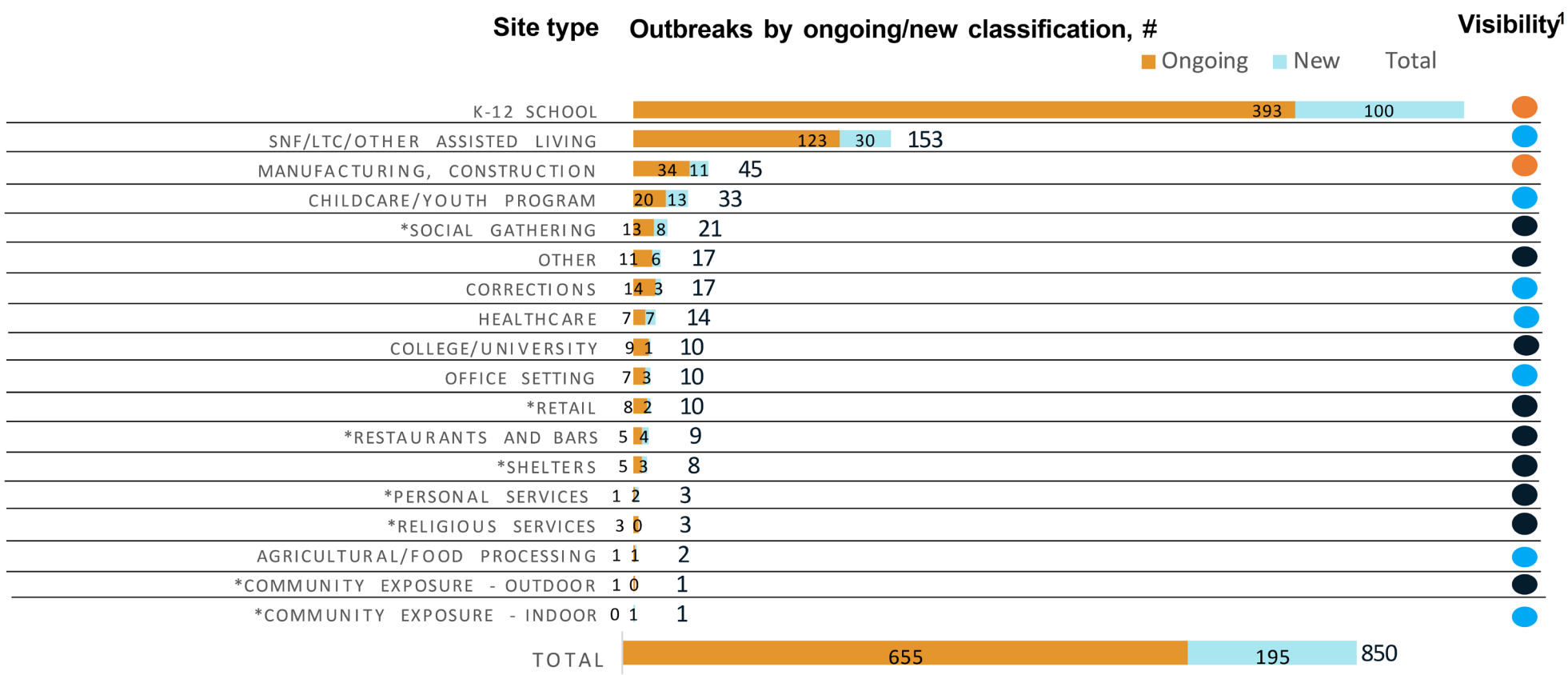




- Trends over time show that both case and death rates among the Fully Vaccinated are lower than the Not Fully vaccinated rates in Michigan
- The *proportion* of breakthrough cases and deaths among all cases and deaths has shown some increases as more people become fully vaccinated
  - However, the risk of infection and death remains significantly lower among the fully vaccinated

Number of Weekly Reported Outbreaks

Number of outbreak investigations by site type, week ending Oct 28



1. Based on a setting's level of control and the extent of time patrons/residents spend in the particular setting, different settings have differing levels of ability to ascertain whether a case derived from that setting

NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in no way provides evidence that, in fact, that setting is not having outbreaks.
NOTE (10/4): MDHHS adopted the new CSTE school cluster and outbreak definition which impacts how transmissions within school-sponsored settings are reported to the health department

Source: LHD Weekly Sitreps

Total number of active outbreaks is **up 4%** from previous week, with 195 new outbreaks identified

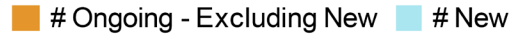
K-12 schools reported the greatest number of new outbreaks and clusters (100) this week, and the number of reported new outbreaks and clusters has increased since last week (↑ 25, ↑33%)

The next greatest number of new outbreaks was among SNF/LTC (30), followed by childcare/youth programs (13) manufacturing/construction (11), social gathering (8), healthcare (7), and 10 other settings with at least 1 new outbreak in the last week.

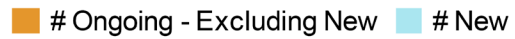
K-12 school clusters and outbreaks, recent and ongoing, week ending Oct 28

Number of reported outbreaks/clusters increased since last week (487 to 493), with increases in Pre K-Elementary (220 to 225). However, decreases seen within High Schools (167 to 166), Middle/Jr High (100 to 98), and Administration (3 to 2).

Region	Number of reported cases, #	Number of outbreaks	Range of cases per outbreak
Region 1	710 + 123	87	2-64
Region 2n	819 + 72	76	3-62
Region 2s	169 + 120	38	3-34
Region 3	1,654 + 143	128	2-67
Region 5	134 + 43	24	2-52
Region 6	573 + 18	72	2-67
Region 7	100 + 39	26	2-14
Region 8	511 + 18	42	3-48
Total	4,670 + 576	**493**	**2-67**



Grade level	Number of reported cases, #	Number of outbreaks	Range of cases per outbreak
Pre-school - elem.	1,333 + 262	225	2-42
Jr. high/middle school	1,019 + 92	98	3-64
High school	2,315 + 218	166	2-67
Administrative	3 + 4	2	3-4
Total	4,670 + 576	**493**	**2-67**



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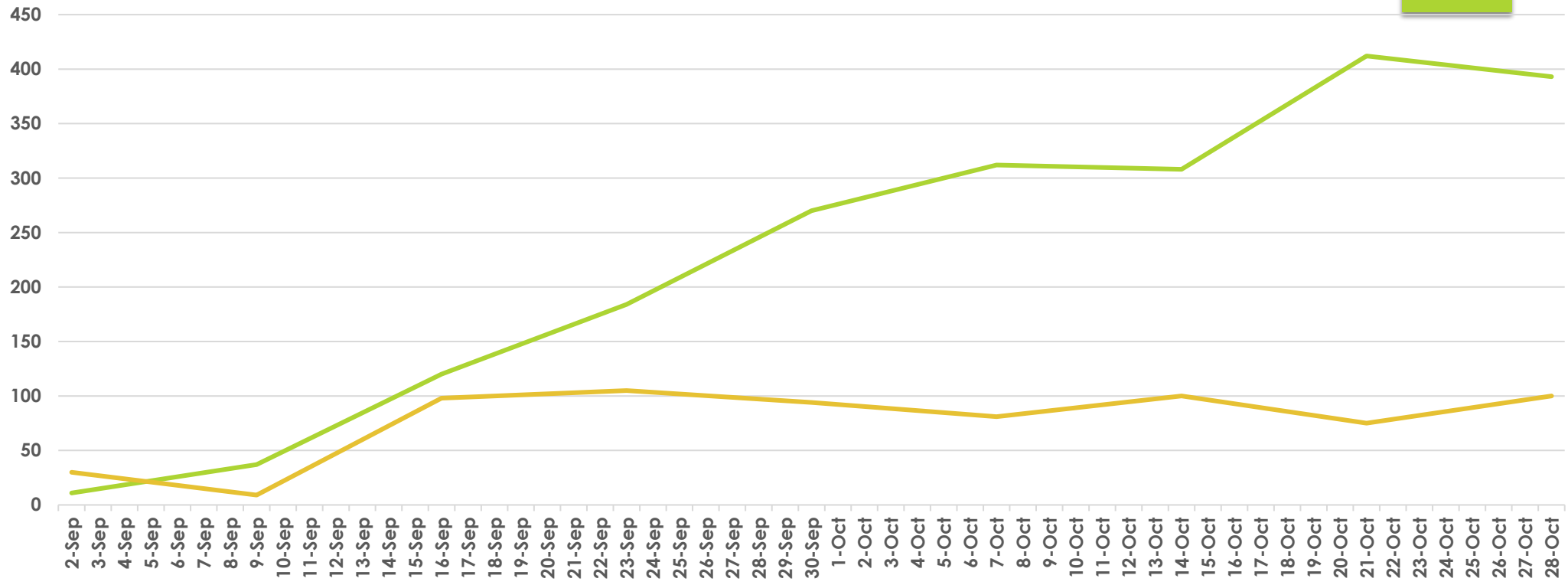
Source: LHD Weekly Sitreps

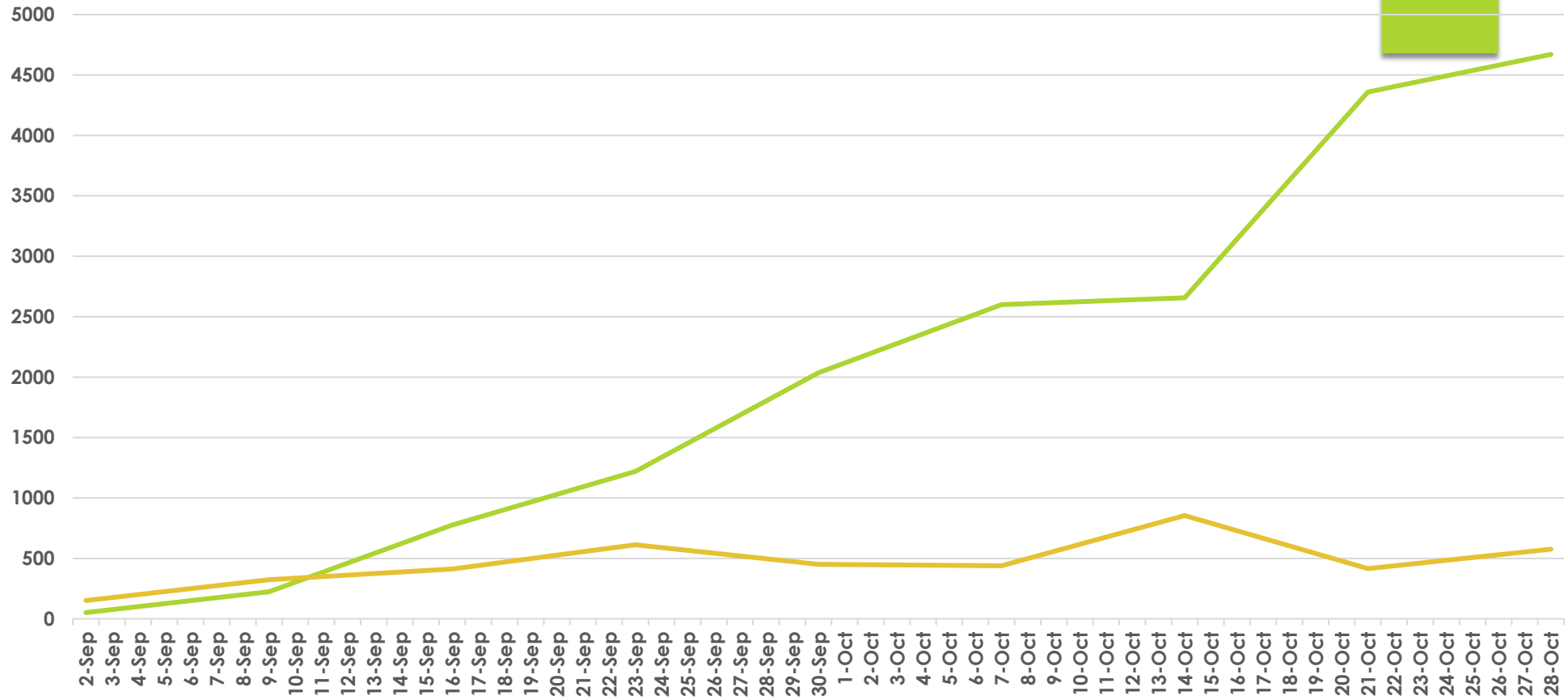
Number of K-12 Outbreaks



	2-Sep	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct
K-12 Ongoing Outbreaks	11	37	120	184	270	312	308	412	393
K-12 New Outbreaks	30	9	98	105	94	81	100	75	100

Definition of Educational Outbreak can be found here.
Ongoing outbreaks are those that had already been identified in previous weeks but have had at least one new associated case reported to the local health department in the last 28 days.

Number of Cases in K-12 Outbreaks



	2-Sep	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct
K-12 Cases from Ongoing Outbreaks	52	224	776	1219	2036	2600	2656	4359	4670
K-12 Cases from New Outbreaks	151	323	412	612	451	439	854	416	576

K-12 Cases from Ongoing Outbreaks K-12 Cases from New Outbreaks

Definition of Educational Outbreak can be found here.
Ongoing outbreaks are those that had already been identified in previous weeks but have had at least one new associated case reported to the local health department in the last 28 days.

THANKS FOR JOINING US!

ANY QUESTIONS?

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