



Maryland Situation Update on Coronavirus Disease 2019 (COVID-19)

Maryland Department of Health
Infectious Disease Epidemiology and Outbreak Response Bureau

September 9th, 2021

Webinar Agenda

- COVID-19 Epi Summary
- TB Testing Update
- Updated Outbreak Line List
- FAQs
- Q&A

<https://covidlink.maryland.gov/content/vaccine/govax/>

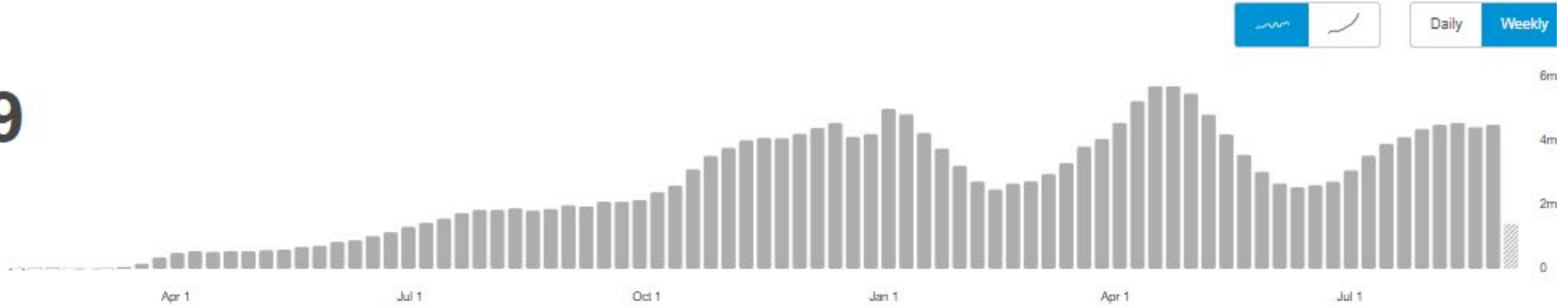


COVID-19 Epi Summary

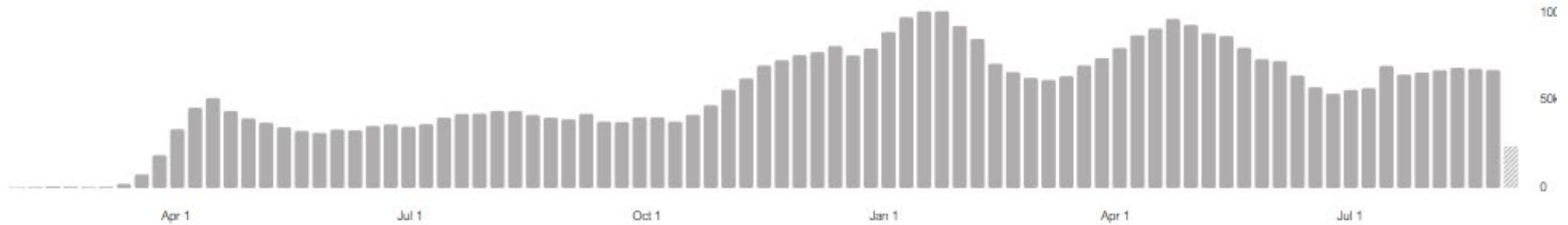
Worldwide: COVID-19

Global Situation

221,648,869
confirmed cases



4,582,338
deaths



Source: World Health Organization

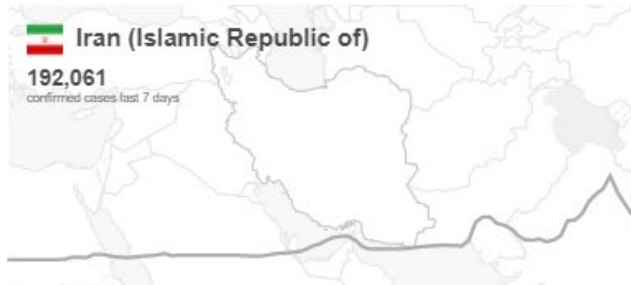
■ Data may be incomplete for the current day or week.



Source: <https://covid19.who.int/> accessed 9/9/21

Worldwide: COVID-19

Source: <https://covid19.who.int/> accessed 9/9/21



and

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U.S.: COVID-19

https://covid.cdc.gov/covid-data-tracker/#trends_dailytrendscases, Accessed 9/9/21

United States at a Glance

Collapse —

Cases Total 40,345,484 Last 30 Days



Deaths Total 649,299 Last 30 Days



75.2% of Adults with At Least One Vaccination



Community Transmission

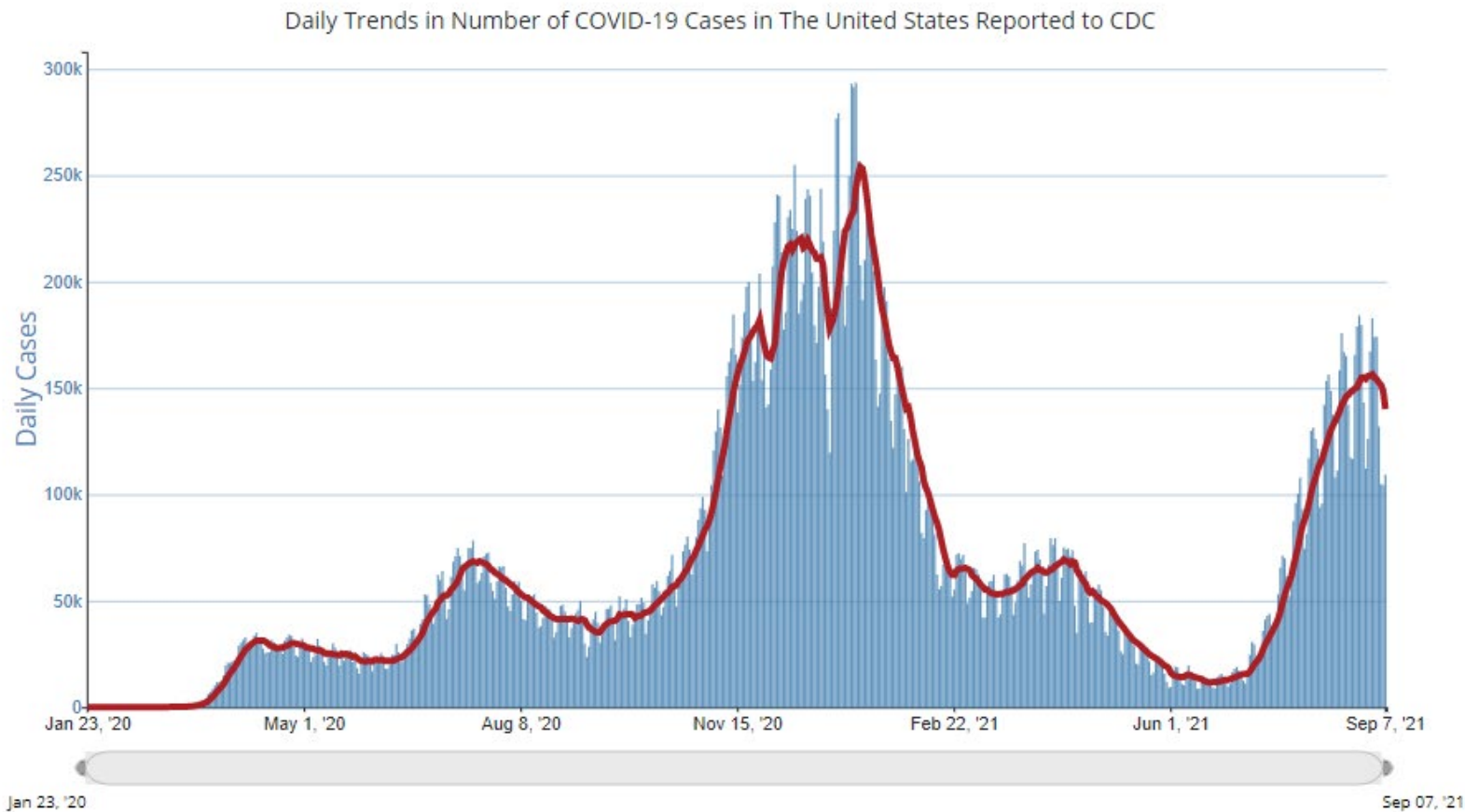
High



U.S.: COVID-19

https://covid.cdc.gov/covid-data-tracker/#trends_dailytrendscases, Accessed 8/26/21

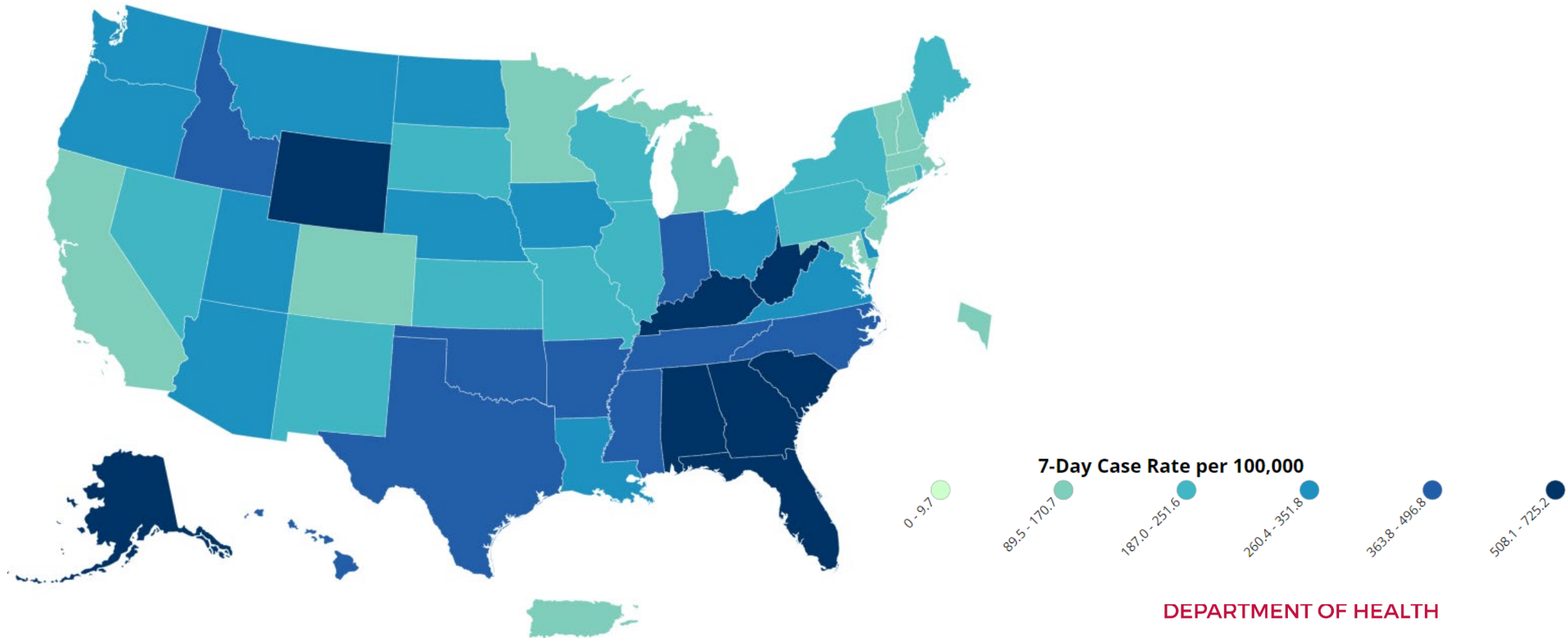
Daily Trends in Number of COVID-19 Cases in the United States Reported to CDC



U.S.: COVID-19

https://covid.cdc.gov/covid-data-tracker/#trends_dailytrendscases, Accessed 9/9/21

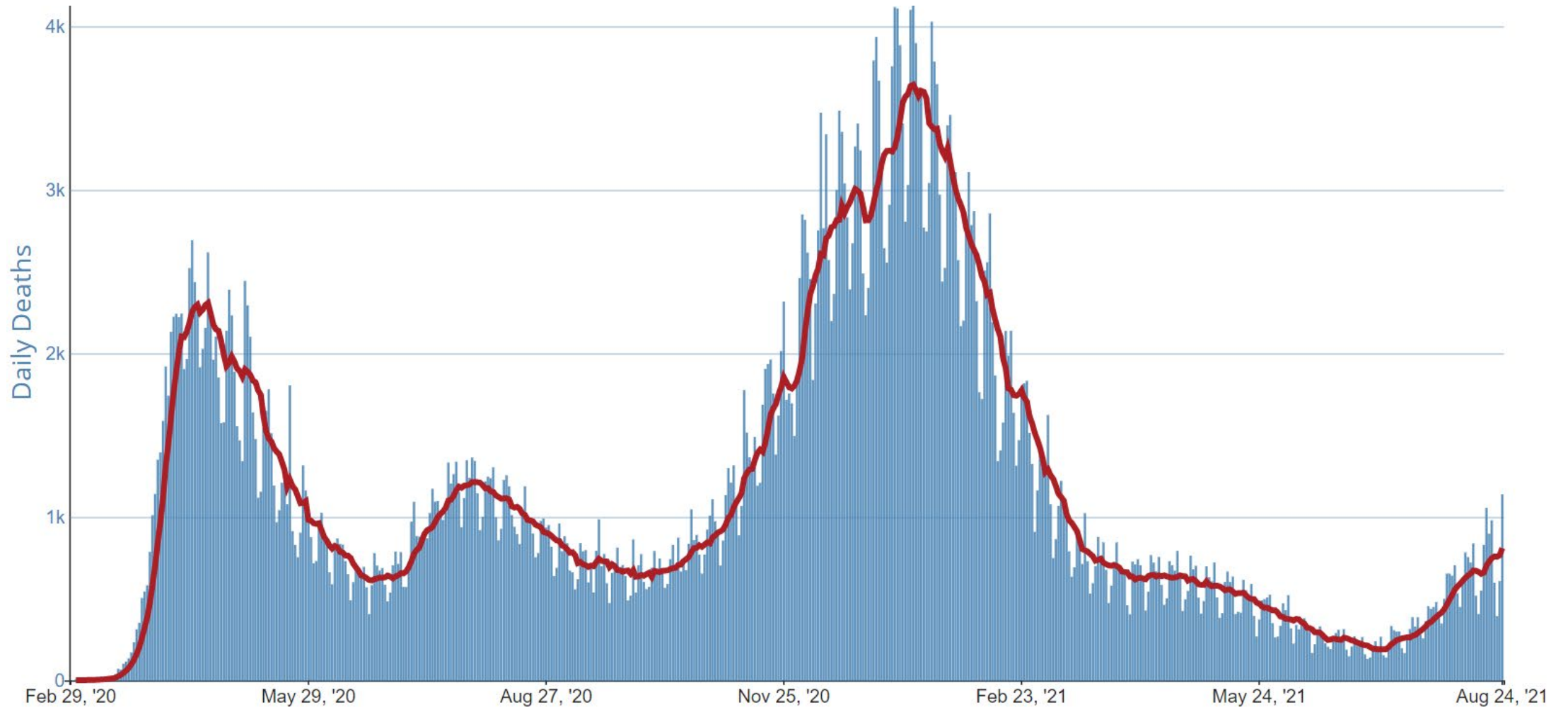
US COVID-19 7-Day Case Rate per 100,000, by State/Territory



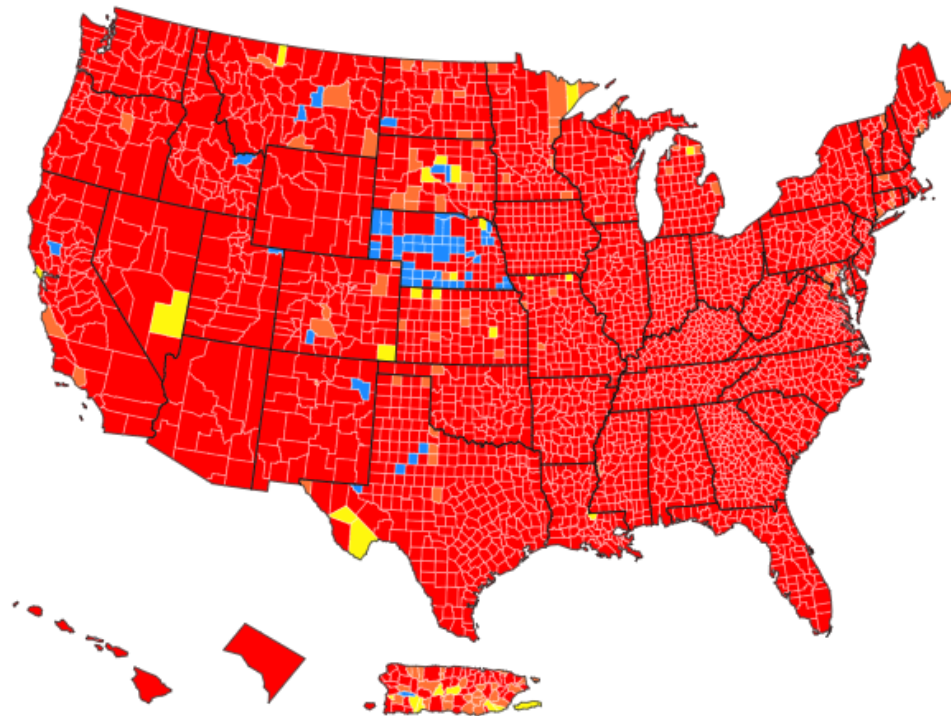
U.S.: COVID-19

<https://covid.cdc.gov/covid-data-tracker>, Accessed 8/26/21

Daily Trends in Number of COVID-19 Deaths in the United States Reported to CDC



US: CDC County View- Community Transmission



Community Transmission in US by County

021

	Total	Percent	% Change
High	3065	95.19%	1.37%
Substantial	67	2.08%	-0.75%
Moderate	24	0.75%	0.06%
Low	63	1.96%	-0.68%

How is community transmission calculated?

● High ● Substantial ● Moderate ● Low ● No Data



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CDC: County View

<https://covid.cdc.gov/covid-data-tracker/#county-view>

UNITED STATES LEVEL OF
COMMUNITY TRANSMISSION

High

7 DAY CASE RATE PER 100,000

299.5

7 DAY PERCENT POSITIVITY

9.97%

Indicator - If the two indicators suggest different transmission levels, the higher level is selected	Low Transmission Blue	Moderate Transmission Yellow	Substantial Transmission Orange	High Transmission Red
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	≥100
Percentage of NAATs ¹ that are positive during the past 7 days	0-4.99%	5-7.99%	8-9.99%	≥10.0%

Maryland: COVID-19

Confirmed Cases

506,464

24hr Change: +907

Persons Tested Negative

4,002,851

24hr Change: +5,692

Testing Volume

12,255,394

24hr Change: +24,993

Testing % Positive

4.69%

24hr Change: 0.01

Confirmed Deaths

9,900

24hr Change: +9

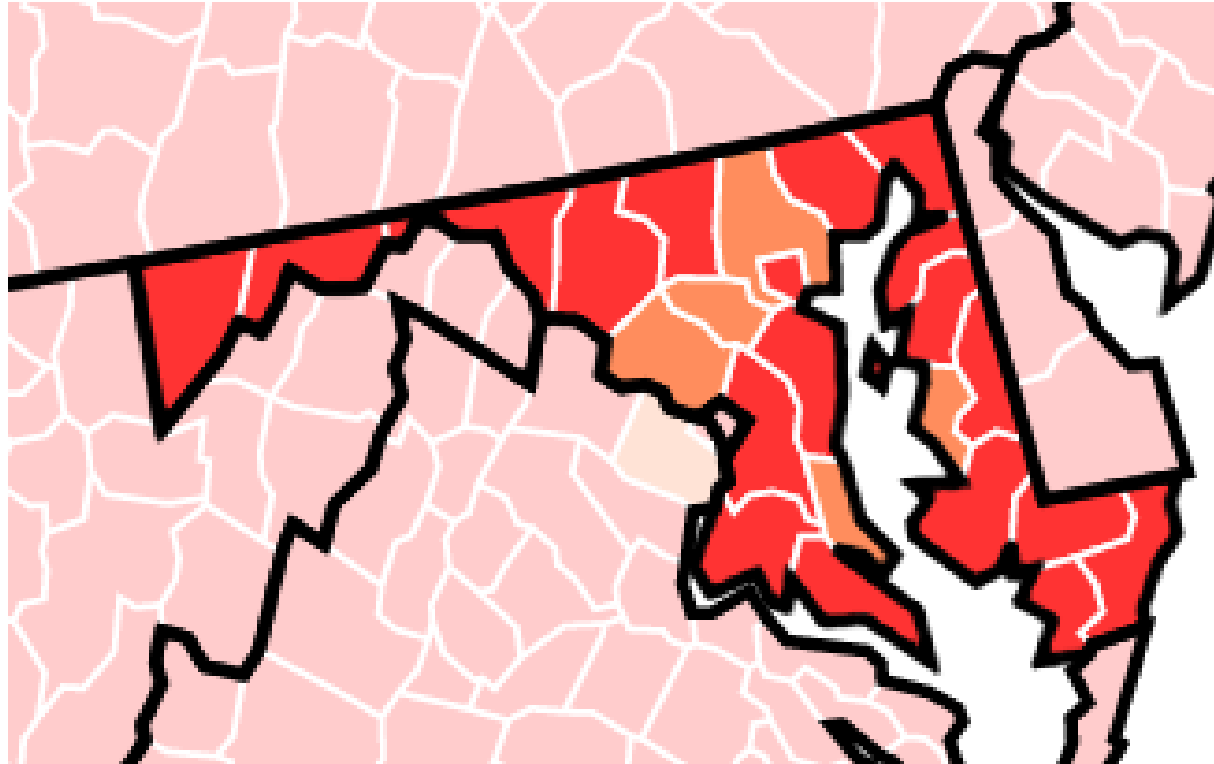
Currently Hospitalized

816

24hr Change: -1

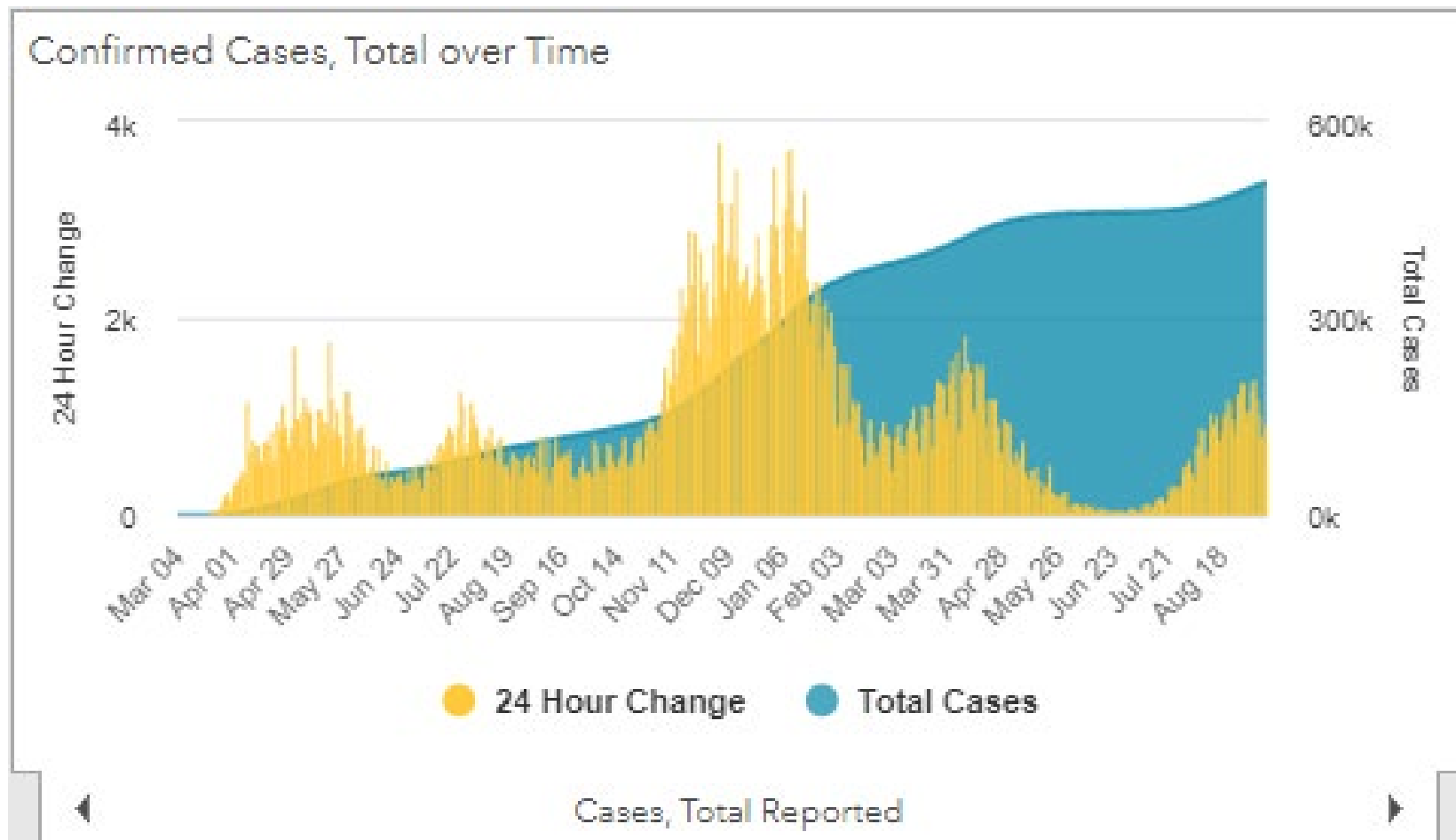
US: CDC County View

September 8, 2021



● High ● Substantial ● Moderate ● Low

Maryland: COVID-19



Maryland: COVID-19



Confirmed COVID-19 Cases among Residents and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week—United States

Data as of 9/6/2021
5:30 AM



Resident Cases

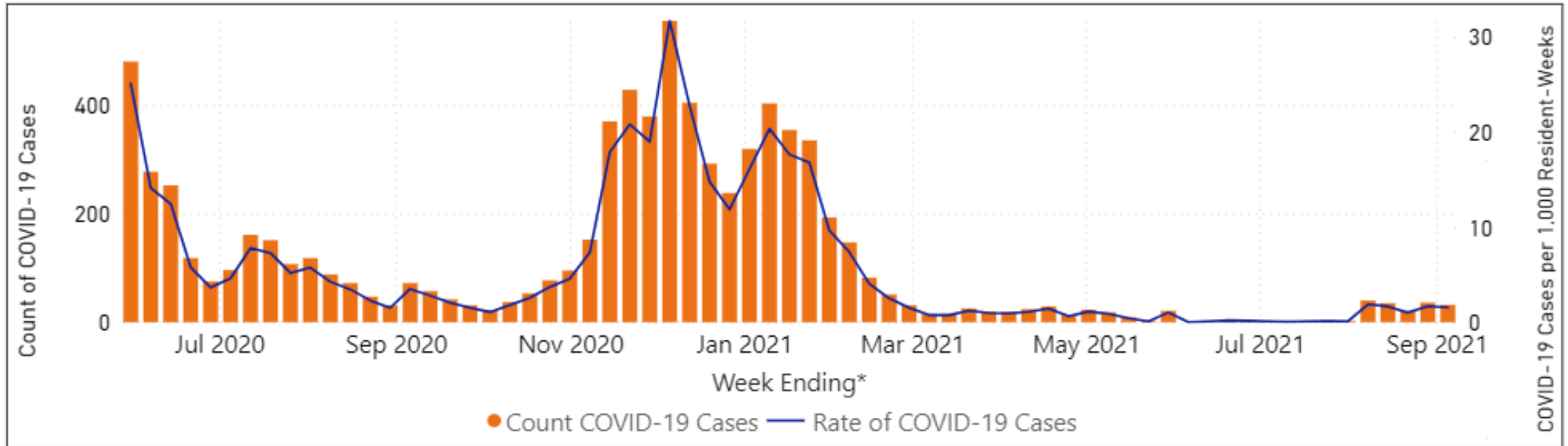
Resident Deaths

Display by State

MD

Display by FEMA/HHS Region

All



Maryland: COVID-19



COVID-19 Deaths among Residents and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week—United States

Data as of 9/6/2021
5:30 AM



Resident Cases

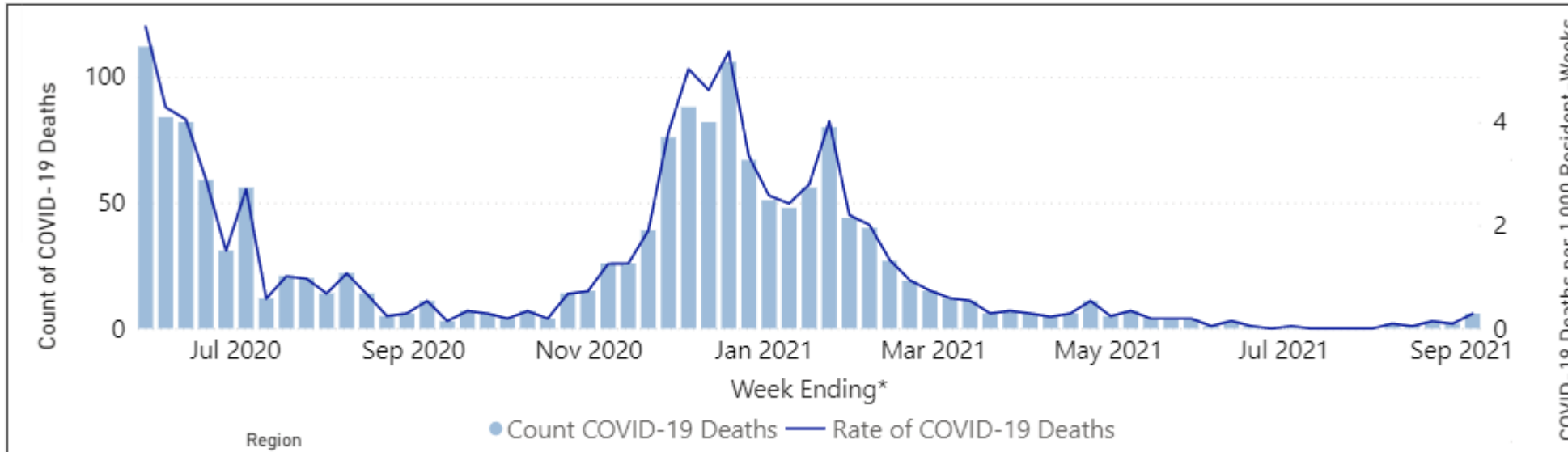
Resident Deaths

Display by State

MD

Display by FEMA/HHS Region

All



Maryland: COVID-19



Confirmed COVID-19 Cases among Staff and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week—United States

Data as of 9/6/2021
5:30 AM



Staff Cases

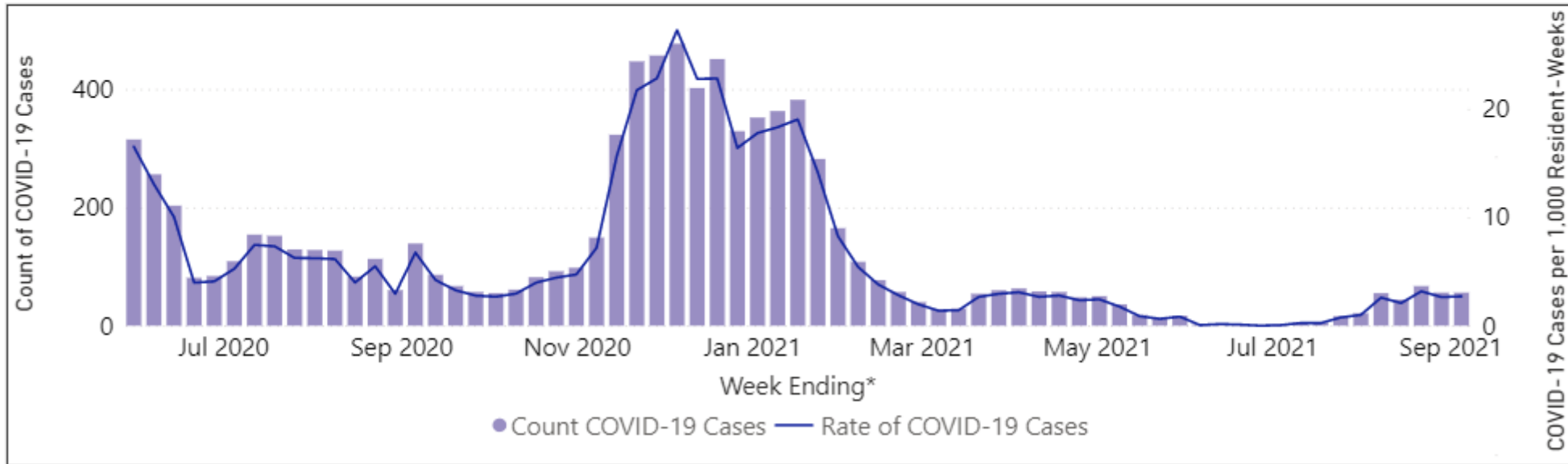
Staff Deaths

Display by State

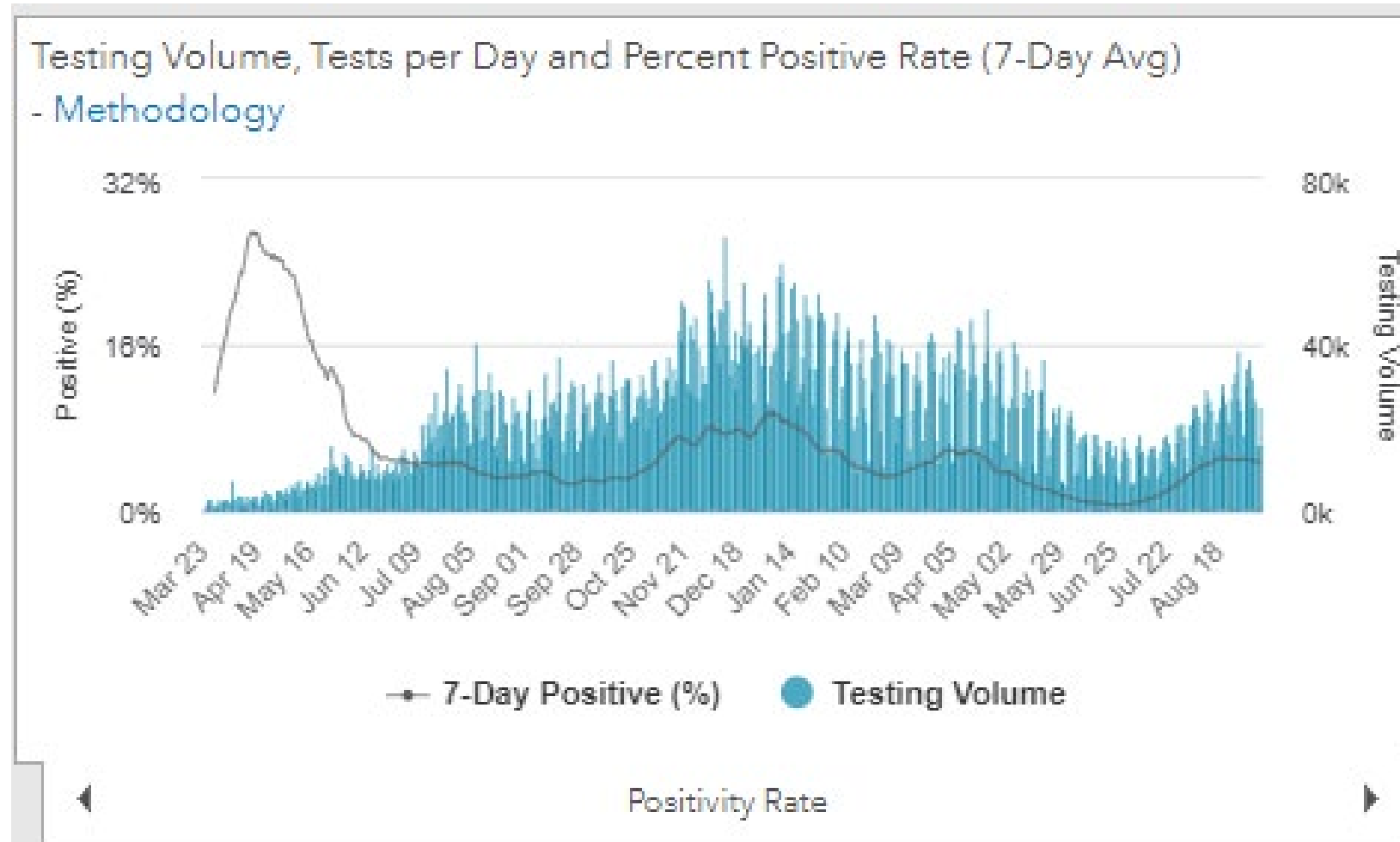
MD

Display by FEMA/HHS Region

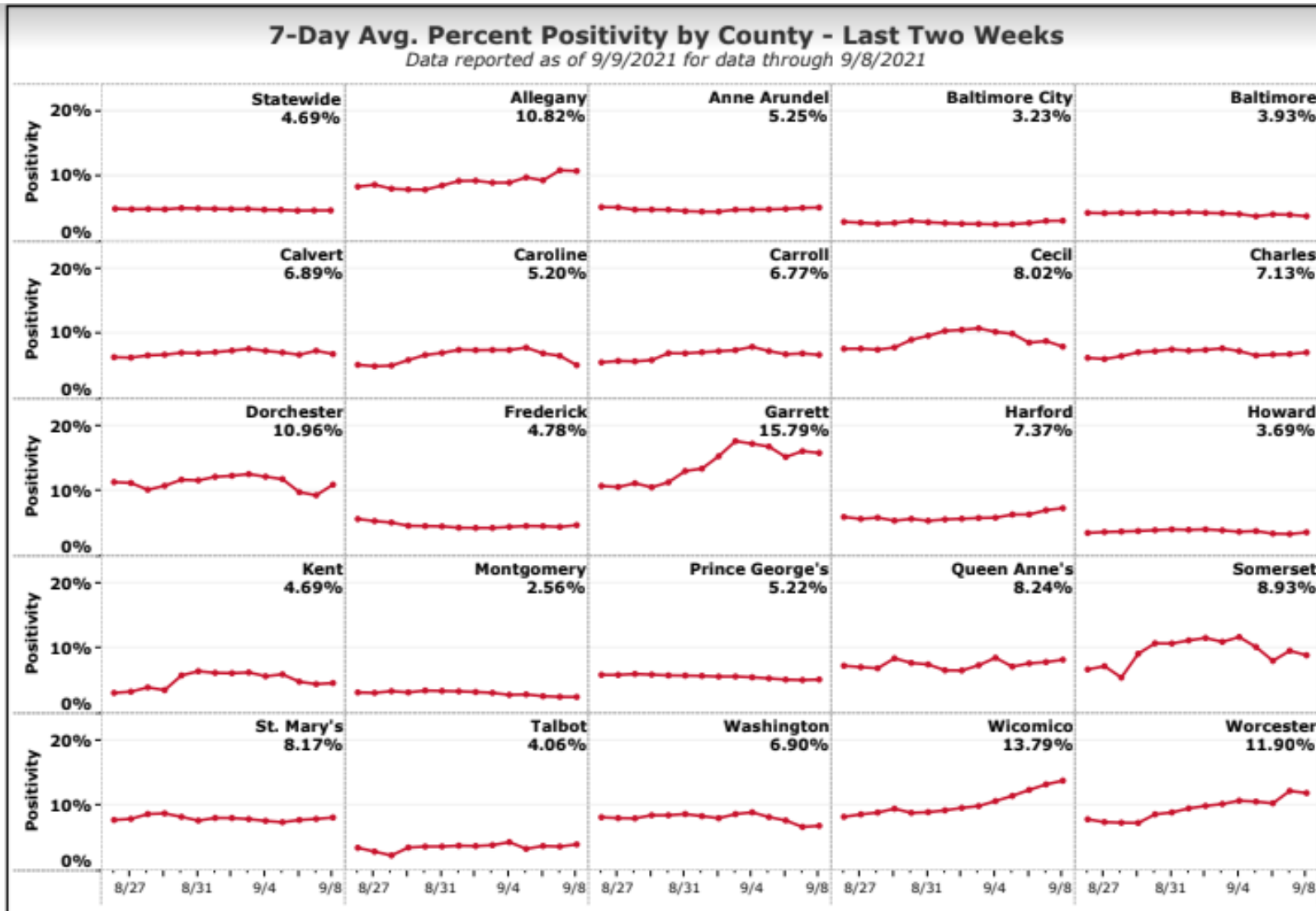
All



Maryland: COVID-19



Maryland: COVID-19



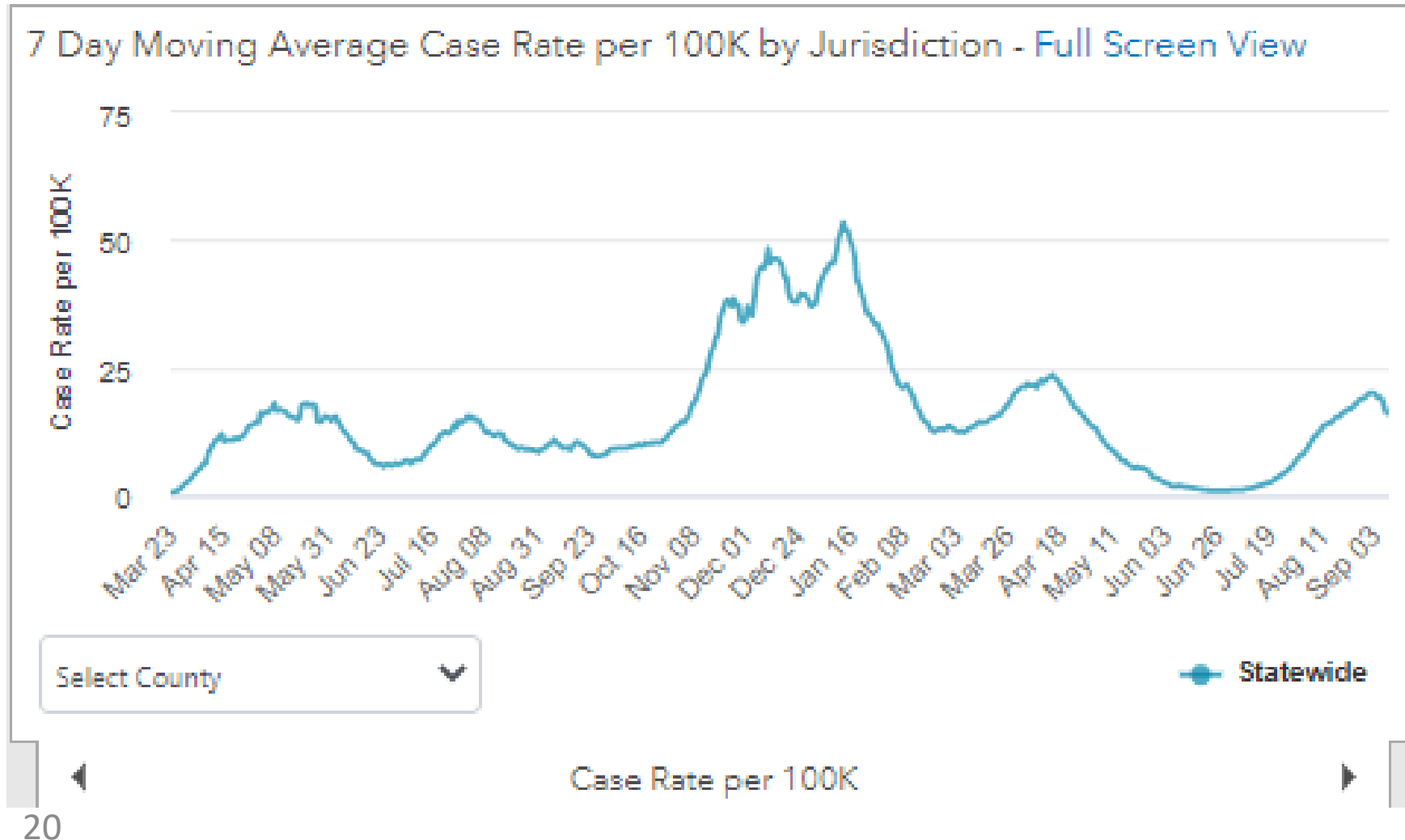
As of 9/9/21:

Statewide: 4.69%

18 jurisdictions above 5%

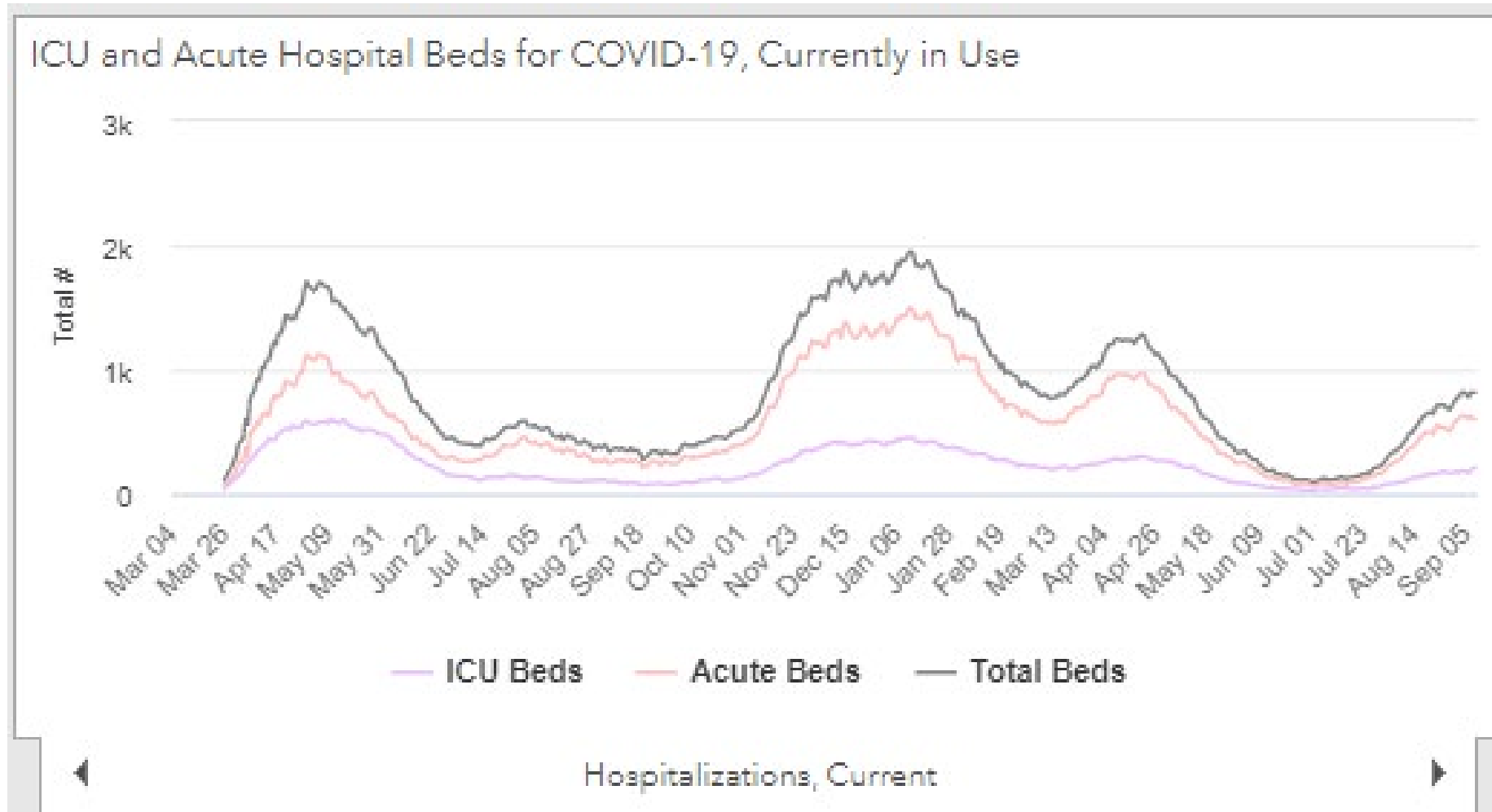
5 jurisdictions above 10%
(reminder: per [CMS QSO-20-38](#), if positivity is >10%, unvaccinated staff must be tested **TWICE** a week)

Maryland: COVID-19



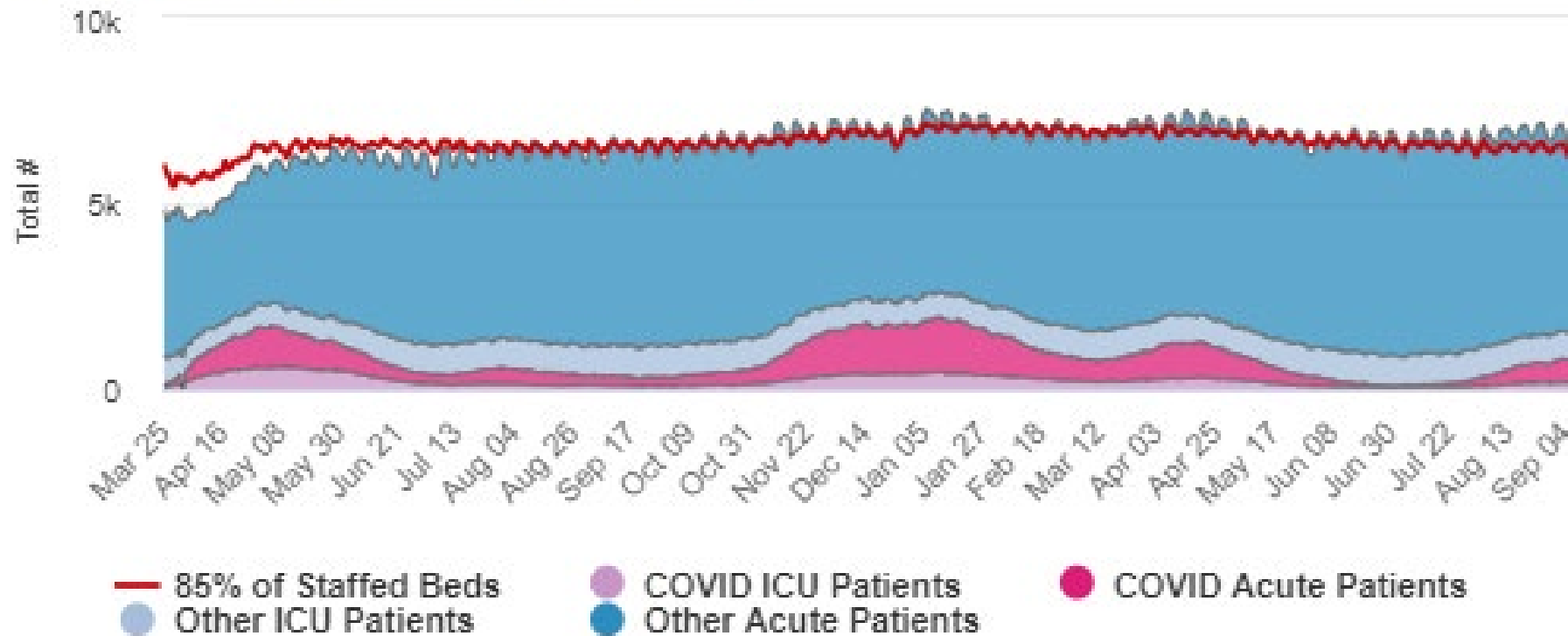
9/9/21: 16.0 per 100k

Maryland: COVID-19



Maryland: COVID-19

COVID-19 Hospital Patients and Capacity



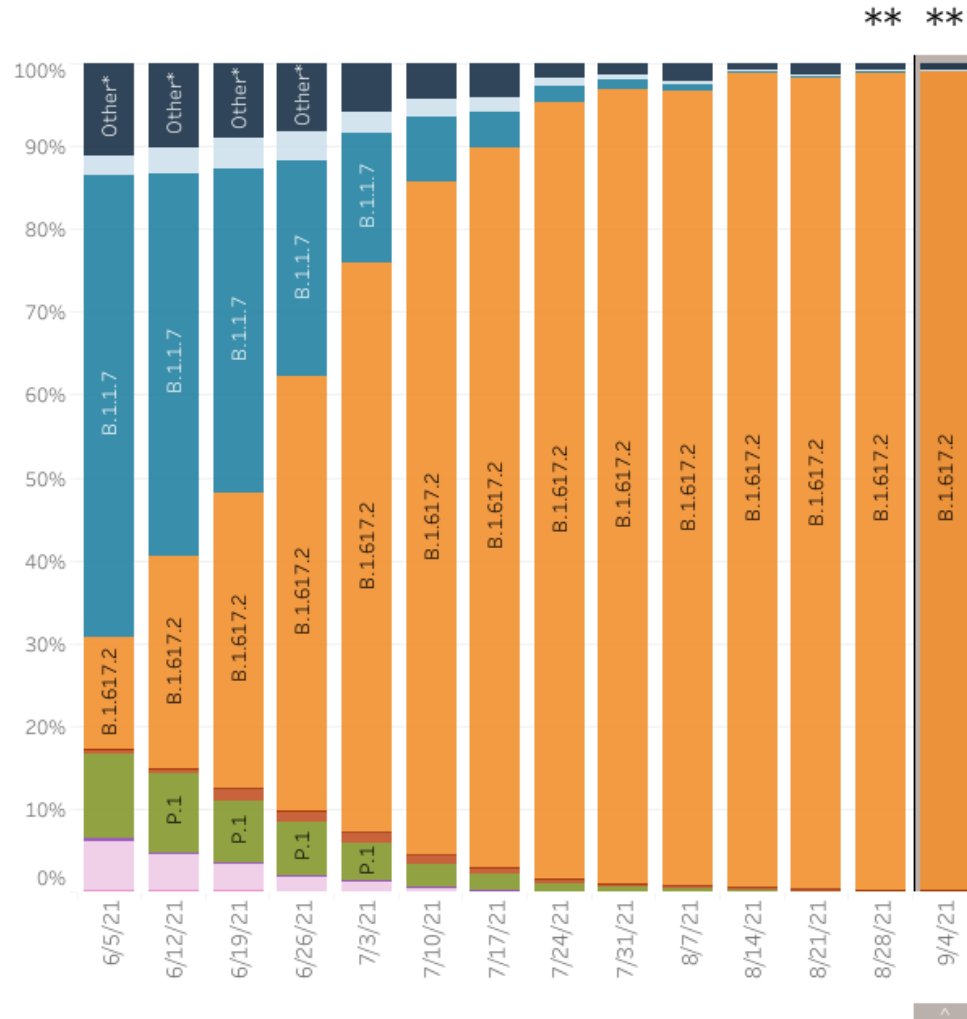
Hospital Capacity

US: Delta Variant

<https://covid.cdc.gov/covid-data-tracker/#variant-proportions> accessed 8/26/21

United States: 5/30/2021 – 9/4/2021

United States: 8/29/2021 – 9/4/2021 NOWCAST



USA				
WHO label	Lineage #	Type	%Total	95%PI
Alpha	B.1.1.7	VOC	0.1%	0.0-0.2%
Beta	B.1.351	VOC	0.0%	0.0-0.2%
Gamma	P.1	VOC	0.0%	0.0-0.2%
Delta	B.1.617.2	VOC	98.9%	97.8-99.9%
	AY.2	VOC	0.1%	0.0-0.5%
	AY.1	VOC	0.1%	0.0-0.5%
Eta	B.1.525	VOI	0.0%	0.0-0.2%
Iota	B.1.526	VOI	0.0%	0.0-0.2%
Kappa	B.1.617.1	VOI	0.0%	0.0-0.2%
Mu	B.1.621		0.1%	0.0-0.5%
N/A	B.1.617.3	VOI	0.0%	0.0-0.2%
Other	Other*		0.7%	0.0-1.7%

* Enumerated lineages are VOI/VOC or are circulating >1% in at least one HHS region during at least one two week period; remaining lineages are aggregated as "Other".

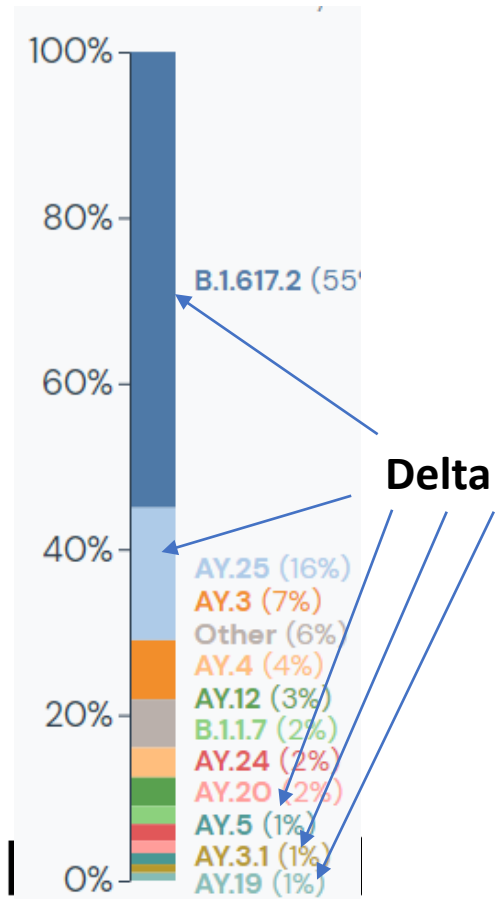
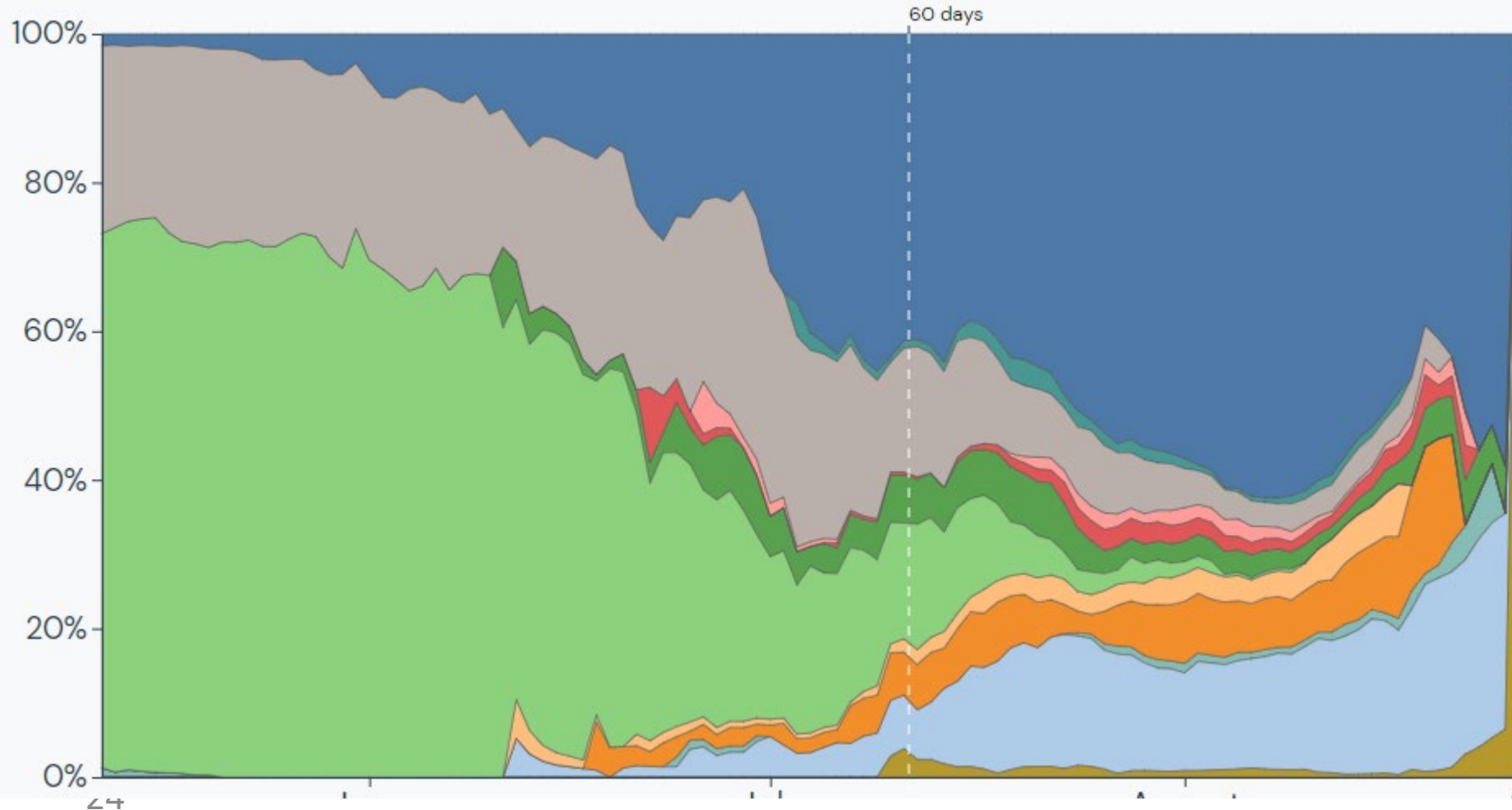
** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates

Sublineages of P.1 and B.1.351 are aggregated with the parent lineage and included in parent lineage's proportion. Q.1-Q.8 are aggregated with B.1.1.7. AY.3-AY.25 are aggregated with B.1.617.2.

98.9%

Maryland: Delta Variant

Lineage prevalence over time



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https://outbreak.info/location-reports?loc=USA_US-MD accessed 8/26/21

Mu Variant (B.1.621)

- Classified as a Variant of Interest by WHO 8/31/21
- Constellation of mutations that indicate potential properties of immune escape.
- Preliminary data show a reduction in neutralization capacity of convalescent and vaccinee sera similar to that seen for the Beta variant
- First identification in Colombia in January 2021
- As of 29 August, over 4500 sequences have been uploaded to GISAID from 39 countries
- Although the global prevalence of the Mu variant among sequenced cases has declined and is currently below 0.1%, the prevalence in Colombia (39%) and Ecuador (13%) has consistently increased.

US: COVID-19 Vaccinations

Total Vaccine Doses

Delivered 450,584,465

Administered 376,955,132

**Learn more about the
[distribution of vaccines.](#)**

177.1M

People fully vaccinated

1.51M


People received an
additional dose since
August 13th, 2021

People Vaccinated

At Least One Dose

Fully Vaccinated

Total	208,024,209	177,104,652
% of Total Population	62.7%	53.3%
Population ≥ 12 Years of Age	207,794,794	176,972,488
% of Population ≥ 12 Years of Age	73.3%	62.4%
Population ≥ 18 Years of Age	194,169,462	166,312,105
% of Population ≥ 18 Years of Age	75.2%	64.4%
Population ≥ 65 Years of Age	50,599,037	44,950,037
% of Population ≥ 65 Years of Age	92.5%	82.2%

 About these data

CDC | Data as of: September 8, 2021 6:00am ET. Posted: Wednesday, September 8, 2021 3:43 PM ET

Maryland Vaccine Dashboard

CDC: 18+ Population with at Least One Dose

81.7%

Source: CDC Covid Data Tracker

1st Dose Administered

3,856,872

24hr Change +5,129

2nd Dose Administered

3,488,467

24hr Change +6,659

Single Dose Administered

292,520

24hr Change +2,356

All Doses Administered

Vaccinations by Dose

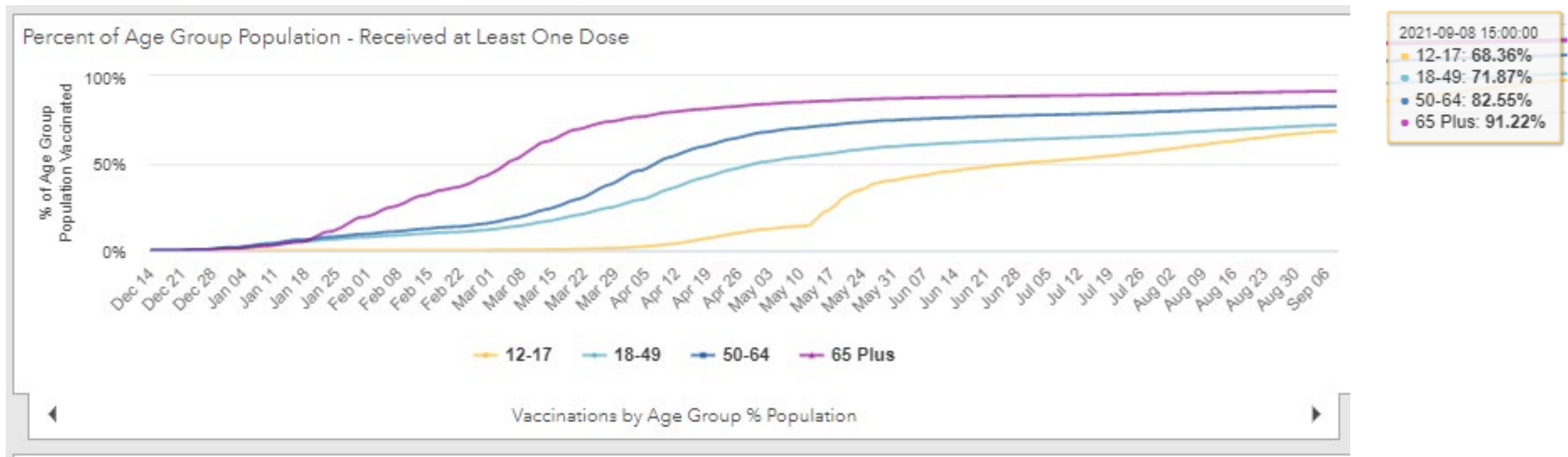
Fully Vaccinated

3,780,987

Doses Distributed

9,618,550

Maryland Vaccine Dashboard



Nursing Home Outbreaks

- Pandemic peak: 200 active NH outbreaks (Dec 2020/Jan 2021 – pre-vaccine)
- Pandemic nadir: 9 active NH outbreaks (early July 2021 – post-vaccine/pre-delta)
- Currently: 83 active nursing home outbreaks (as of September 8)
 - 135 (52%) of the outbreak-associated cases are in NH staff
 - 89 (66%) staff cases not fully vaccinated
 - 46 (34%) staff cases fully vaccinated
 - 126 (48%) of the outbreak-associated cases are in NH residents
 - 64 (50%) resident not fully vaccinated
 - 62 (49%) resident cases fully vaccinated
 - Almost all recent NH (and other) cases caused by delta
- NH-associated cases represent ~1% of all active cases

Tuberculosis Testing Update

Tuberculosis Testing and COVID-19 Vaccination

- COVID-19 vaccination should not be delayed because of testing for tuberculosis (TB) infection.
- Testing for TB infection with one of the immune-based methods, either the [tuberculin skin test \(TST\) or an interferon release assay \(IGRA\)](#), can be done before, after, or during the same encounter as COVID-19 vaccination.

Tuberculosis Testing and COVID-19 Vaccination

- TSTs and IGRAs were previously recommended to be administered ≥ 4 weeks after completion of COVID-19 vaccination to minimize potential theoretical interference between vaccination and TB testing. This was out of an abundance of caution during a period when these vaccines were new
- However, given logistical challenges faced in delaying TB infection testing, the recommendation has been updated so that these tests may now be administered without regard to timing of COVID-19 vaccination.

Updated Outbreak Line List

New Line List Template

- To be used and shared with your local health department when you have an outbreak
- Please use the Excel version of the line list, not Word or PDF
- Include all residents and staff who test positive AND all residents and staff who are symptomatic
 - No need to include the entire facility census

New Changes

Vaccination Information

Did this individual complete their initial COVID-19 vaccination series?	If yes, date of final dose of initial series:	Has this individual received a 3rd dose or booster dose of COVID-19 vaccine (Moderna/Pfizer only)?	If yes, date of 3rd/booster dose:
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Monoclonal antibody (mAb) information

Has this individual received mAb therapy?	If yes, date mAb was first administered:
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FAQs

FAQ #1: Are any visits allowed during an outbreak?

- Under some circumstances:
- When a new case is detected suspend all visitation and do a round of universal testing
 - IF no new cases are detected, OR only cases on one unit, then indoor visitation may resume for all other units
 - IF more than one unit is affected then indoor visitation must remain suspended until the outbreak closes
- After the first round of testing, outdoor visitation may be allowed for residents who are not on transmission-based precautions
- Note: compassionate care must be allowed at any time

<https://www.cms.gov/files/document/qso-20-39-nh-revised.pdf>

FAQ #2: Which day is SNF vaccination data due to NHSN?

- As per CMS DNH Enforcement Office (I asked):
- The facility must submit data for the current or prior week by the Sunday deadline, or a CMP is imposed.

FAQ #3: Do we still need to screenshot our NHSN data for CMS?

- Yes, we continue to strongly recommend that you document that your data has been submitted every week
- If we are uploading your data, you can take your screenshots on Wednesday evening or Thursday or Friday
- Make sure you are screenshotting NHSN, not (just) CRISP
- Make sure you include the date in your screenshot

FAQ #4: Where can my facilities team and I get more information about improving ventilation and air handling?

- CDC has some basic tools and resources here:
<https://www.cdc.gov/coronavirus/2019-ncov/community/ventilation.html>
- ASHRAE (American Society of Heating Refrigeration and Air-conditioning Engineers) offers more technical guidance on COVID-19 mitigation
<https://www.ashrae.org/technical-resources/resources>

Next Webinar



There will be NO webinar next week, 9/16.

Schedule Changes: Thursday, 9/23

SKILLED NURSING FACILITIES

- CDC, MDH, VA Dept. of Health and DC Health are co-sponsoring a regional *C. auris* and CP-CRO (MDRO) containment webinar from 12:30-1:30 pm via Zoom.
- A registration link (limited lines) will be emailed to SNF partners soon.

ASSISTED LIVING FACILITIES

- MDH will be hosting a live Q&A session for Assisted Living partners from 12:30-1 pm.
- Please submit questions in advance to:
MDH.IPCOVID@maryland.gov

A REGIONAL CONTAINMENT WEBINAR SERIES LED BY CDC

SLOW THE SPREAD OF *C. AURIS* AND OTHER MDROS IN THE MID-ATLANTIC REGION

REGISTER HERE!

Join us for the first webinar on Thursday, September 23rd from 12:30 - 1:30

Future webinars may have Continuing Education credit available. Don't miss out on the first webinar!



1

Situation:

DC Health, Maryland Department of Health, and Virginia Department of Health are inviting healthcare facilities to participate in a webinar series conducted by CDC due to the concerning increase in *Candida auris* cases and other multi drug-resistant organisms (MDROs) in each jurisdiction

2

You are being invited to participate because:

- Your facility serves a high-risk population and is located in an area where *C. auris* has been identified
- Your facility frequently transfers to/from a facility that has identified *C. auris* cases
- You are a facility identified by your jurisdiction as likely to care for *C. auris* patients/residents in the future

3

Who should attend:

- Infection Preventionist
- Administrators
- Quality Improvement/Patient Safety Staff
- Environmental Services Staff
- Infectious Diseases Clinicians
- Other staff involved with preventing MDROs

4

Speakers:

- Elizabeth Soda, MD
CDC Medical Officer
- Heather Jones, DNP, NP-C
CDC Nurse Consultant
- Additional speakers from CDC Mycotic Diseases Branch

After registering, you will receive a confirmation email containing information about joining the webinar

Questions?

MDH.IPCOVID@maryland.gov