



# **Covid-19 Update: Omicron, Masks, Flu, and More**

**Maryland Department of Health  
Maryland Primary Care Program  
Program Management Office**

12 January 2022



*Now is the winter of our discontent  
Made glorious summer by this sun of York;  
And all the clouds that lour'd upon our house  
In the deep bosom of the ocean buried.*

*Wm. Shakespeare Richard III Act 1 Scene 1*

# Agenda

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- ❖ Action steps
- ❖ Current surge data
- ❖ Vaccines and boosters
- ❖ Therapeutics
- ❖ Testing
- ❖ Masks
- ❖ New CDC quarantine and isolation guidelines
- ❖ Flu information
- ❖ Takeaways: Triple Play
- ❖ Q/A

# Action Steps: What you can do now

## *Primary Care Triple Play*

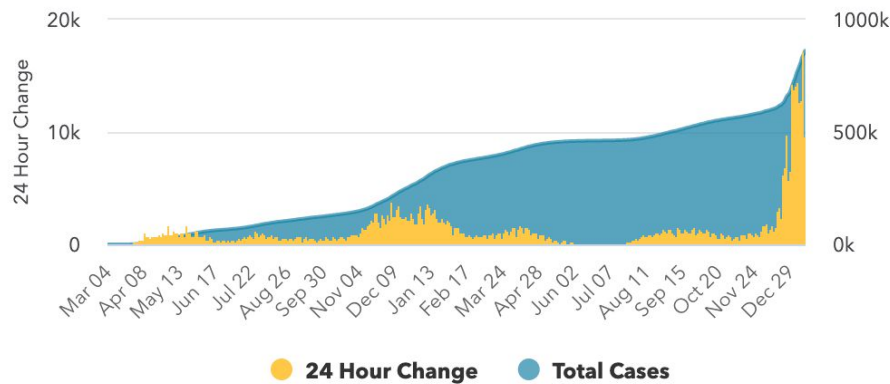
- 1) **Vaccines**: Outreach to patients who are unvaccinated or due for boosters and schedule a **vaccine appointment**
- 2) **Testing**: **Test patients** at your practice as needed, and order free POC tests from MDH [here](#)
- 3) **Therapeutics**: Refer eligible patients to **oral antivirals and monoclonals**, as early as possible in alignment with NIH prioritization
- 4) Practice self care for yourself and your staff

# Current Surge Data

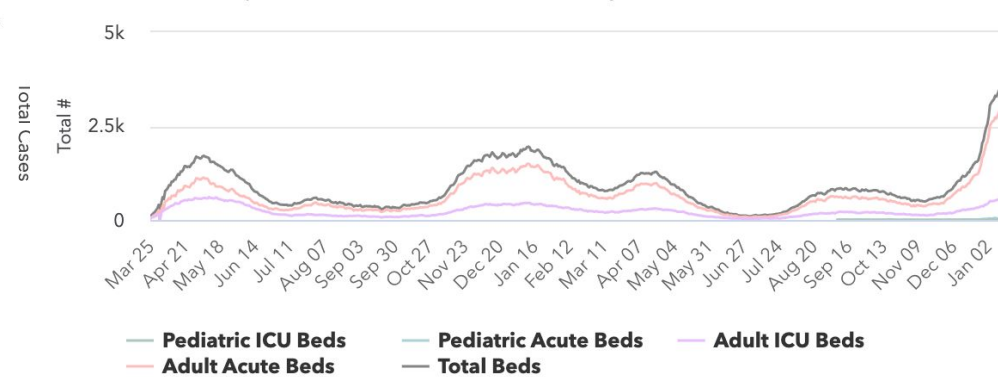
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# Cases and Hospitalizations in Maryland

Confirmed Cases, Total over Time



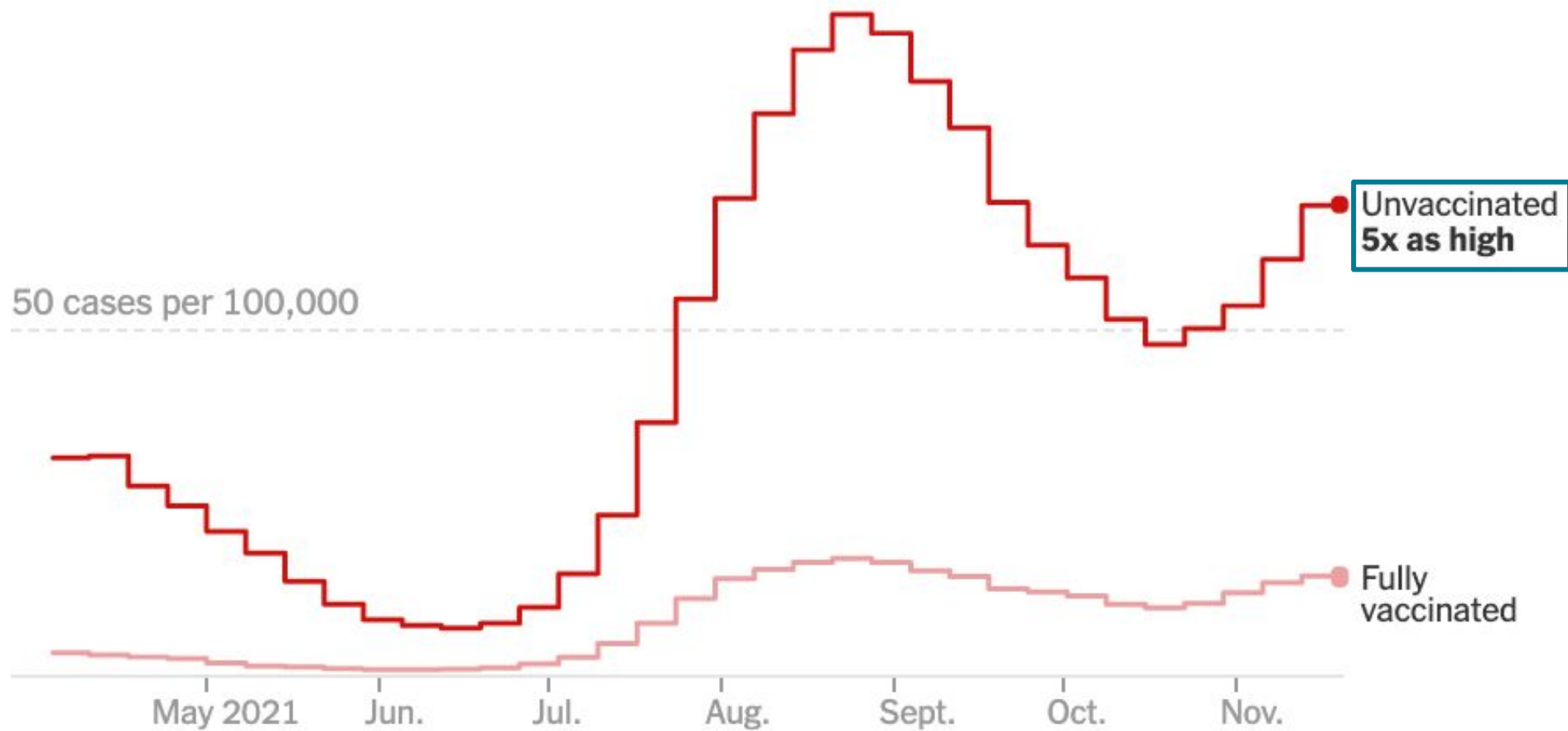
ICU and Acute Hospital Beds for COVID-19, Currently in Use



- ❖ Confirmed cases: 861,349 (24hr change = +11,033)
- ❖ Testing % positive: 26.91% (24hr change = -0.70%)
- ❖ Currently hospitalized: 3,462 (24hr change = +10)

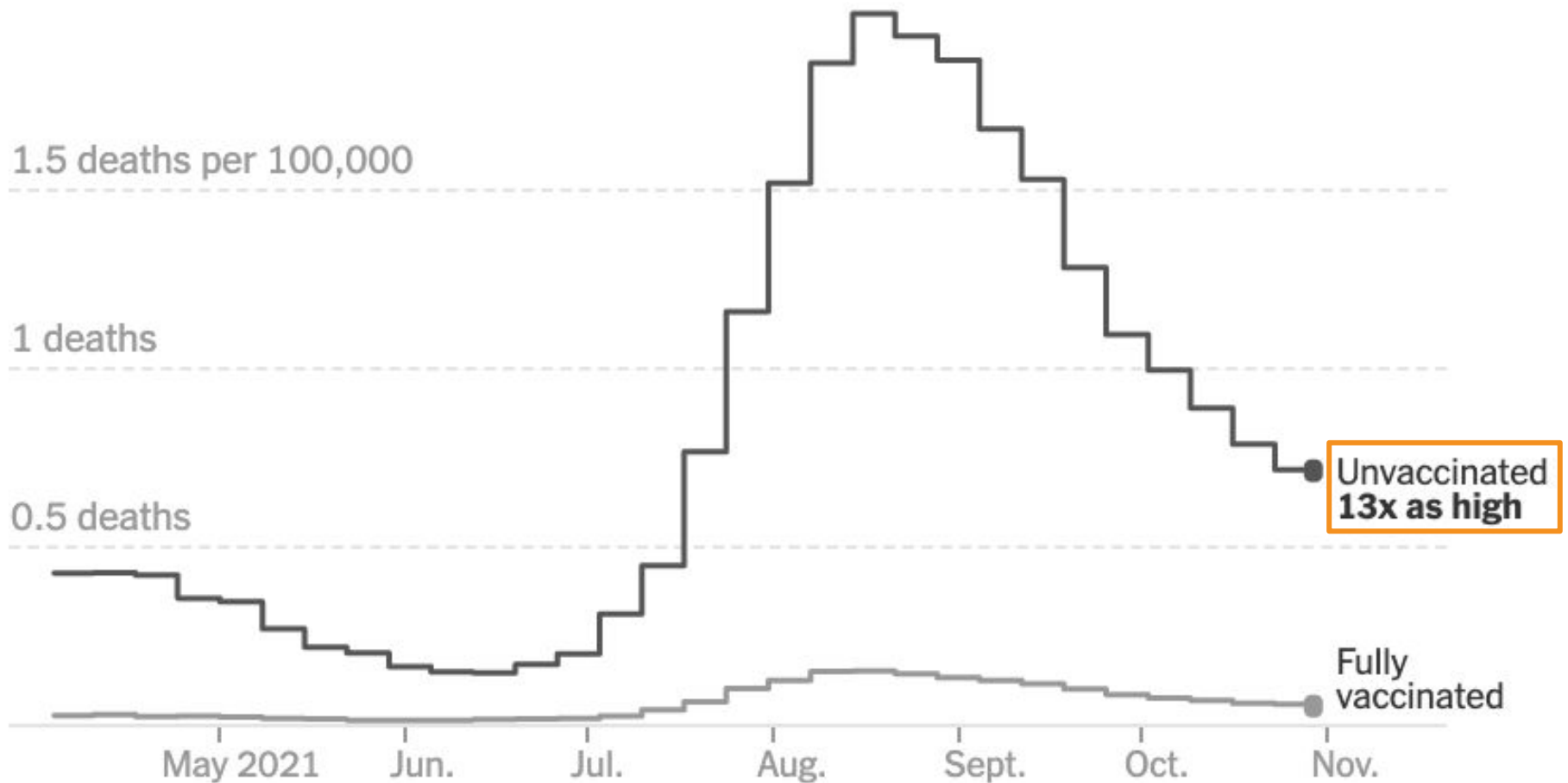
# U.S. Cases by Vaccination Status

Average daily cases



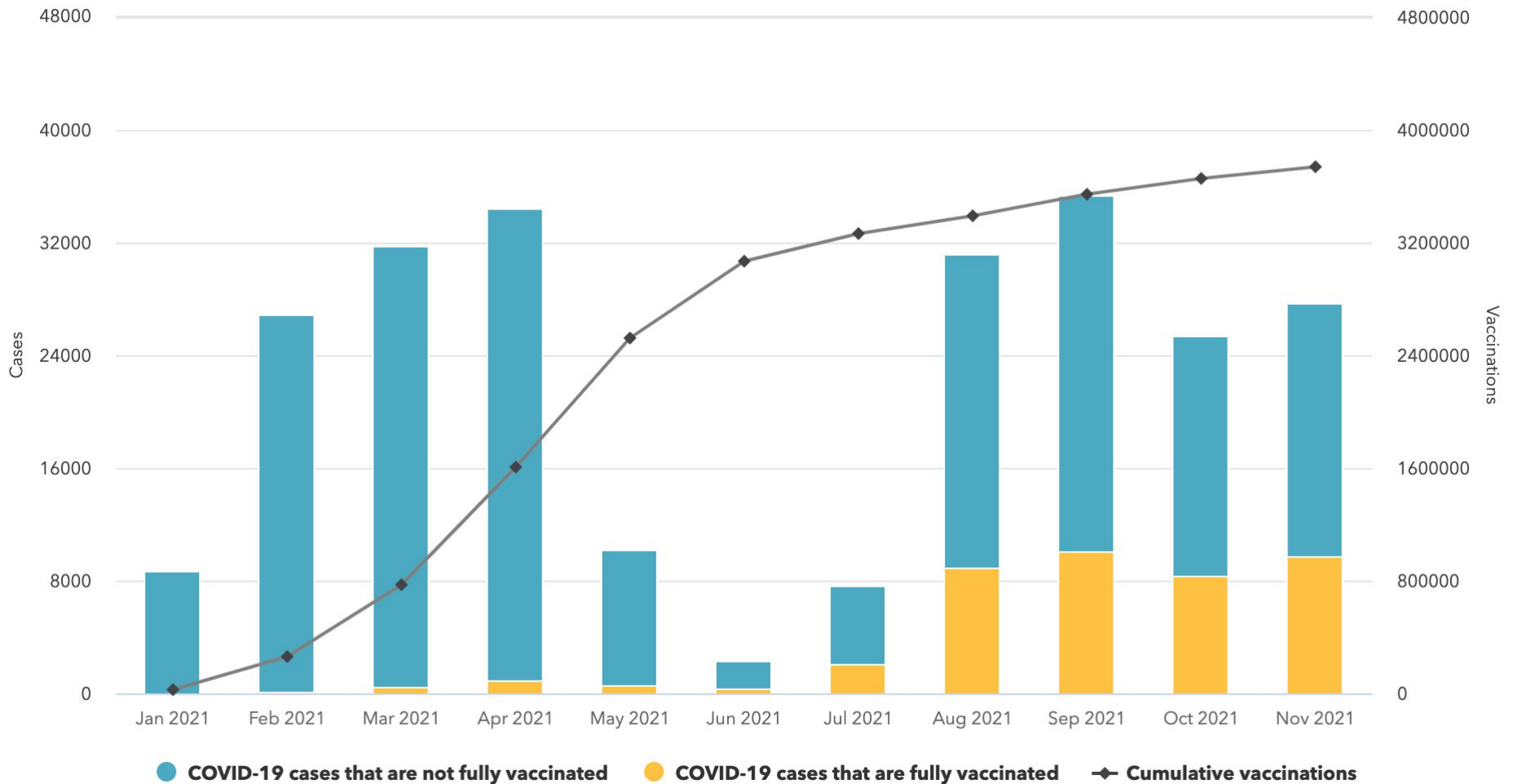
# U.S. Deaths by Vaccination Status

## Average daily deaths





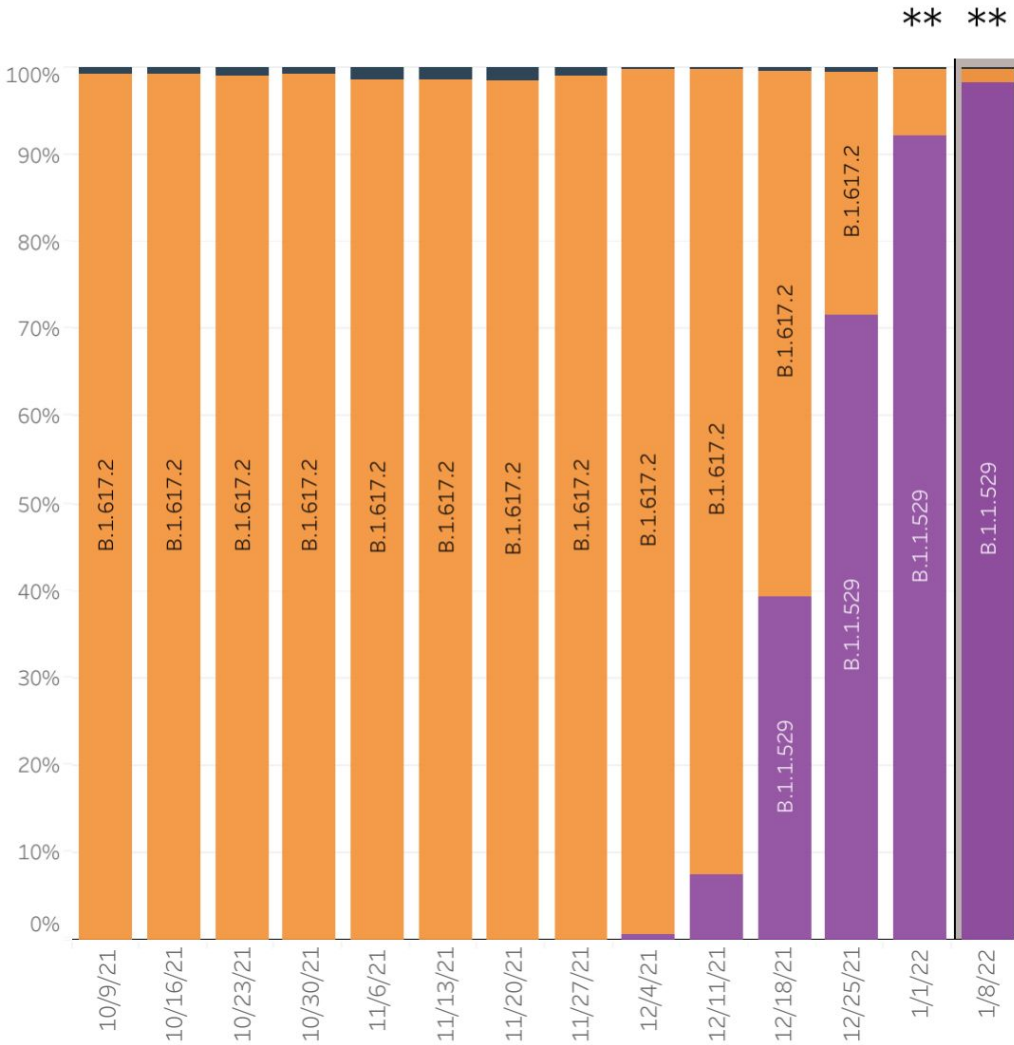
# Maryland Cases by Vaccination Status



**Note:** MDH uses “Fully vaccinated” to indicate individuals that are 14 days post receiving the last required dose of an FDA-authorized COVID-19 vaccine

United States: 10/3/2021 – 1/8/2022

# Omicron in the U.S.

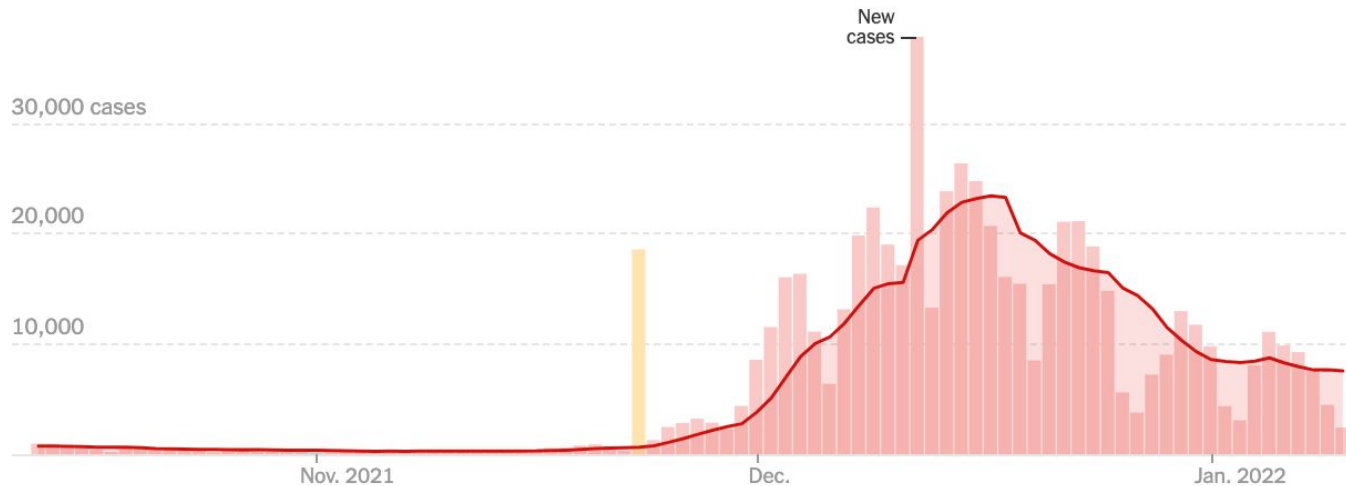


WHO label	Lineage #	US Class	%Total	95%PI
Omicron	B.1.1.529	VOC	98.3%	96.9-99.1%
Delta	B.1.617.2	VOC	1.7%	0.9-3.0%
Other	Other*		0.0%	0.0-0.0%

**As of 1/8, CDC estimates Omicron makes up 98.3% of Covid cases**

# Omicron Trajectory

- ❖ Epi curves sharp up and sharp down
- ❖ South Africa
  - Past week - new cases: 52,951 (record high: 140,577)



These are days with a reporting anomaly. Read more [here](#).

DAILY AVG. ON JAN. 10

14-DAY CHANGE

TOTAL REPORTED

Cases	7,564
Deaths	174

From: **Characteristics and Outcomes of Hospitalized Patients in South Africa During the COVID-19 Omicron Wave Compared With Previous Waves**

JAMA. Published online December 30, 2021. doi:10.1001/jama.2021.24868

**Table 2. Outcomes of Patients Admitted With a Positive COVID-19 Result in the 4 Waves<sup>a</sup>**

	No. (%) of patients				P value
	Wave 1 (n = 2628)	Wave 2 (n = 3198)	Wave 3 (n = 4400)	Wave 4 <sup>b</sup> (n = 971)	
Receiving oxygen therapy	2119 (80.3)	2624 (82.0)	3260 (74.0)	171 (17.6)	<.001
Receiving mechanical ventilation	431 (16.4)	259 (8.0)	548 (12.4)	16 (1.6)	<.001
Admission to intensive care	1104 (42)	1172 (36.6)	1318 (29.9)	180 (18.5)	<.001
Length of stay, median (IQR), d	8.0 (9)	7.8 (8)	7 (9)	3 (3)	<.001
Deaths	520 (19.7)	790 (25.5)	1284 (29.1)	27 (2.7)	<.001

<sup>a</sup> Wave 1: June 14-July 6, 2020; wave 2: December 1-23, 2020; wave 3: June 1-23, 2021; wave 4: November 15-December 7, 2021.

<sup>b</sup> Seventy-two patients (7%) still admitted.

Table Title:

Outcomes of Patients Admitted With a Positive COVID-19 Result in the 4 Waves<sup>aa</sup> Wave 1: June 14-July 6, 2020; wave 2: December 1-23, 2020; wave 3: June 1-23, 2021; wave 4: November 15-December 7, 2021.

<sup>b</sup> Seventy-two patients (7%) still admitted.



# Maryland Public Health Emergency

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- ❖ On 1/4, Governor Hogan declared a [30 day state of emergency](#)
  - [Press Conference recording](#)
- ❖ Actions:
  - Authorization of Maryland Secretary of Health to regulate hospital personnel, bed space, and supplies
  - Expansion of EMS workforce
  - Mobilization of 1,000 members of the Maryland National Guard
  - Opening 20 new hospital-adjacent testing sites across the state
  - Authorization of booster shots for 12-to-15-year-olds
  - Calls For Federal action on monoclonal antibodies, rapid tests, COVID-19 antiviral pills
  - Calls on Maryland employers to incentivize vaccinations and boosters, encourage masks or face coverings

# Vaccines

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# Providing and Referring for Vaccines

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- ❖ Join the Maryland Primary Care Vaccine Program
  - [Enroll in ImmuNet](#), [set up EHR reporting](#), and [register in ImmuNet to be a COVID-19 vaccine administrator](#)
- ❖ Vaccinate (primary series and boosters) at your practice
- ❖ If you cannot vaccinate at your practice, outreach to your patients to recommend vaccination and boosters. Refer patients to a [vaccinating site](#) or request a [mobile vaccination clinic](#) via this [form](#)
  - Vaccination site list has a filter available to find sites that are offering vaccines for 5-11-year-olds

# Boosters

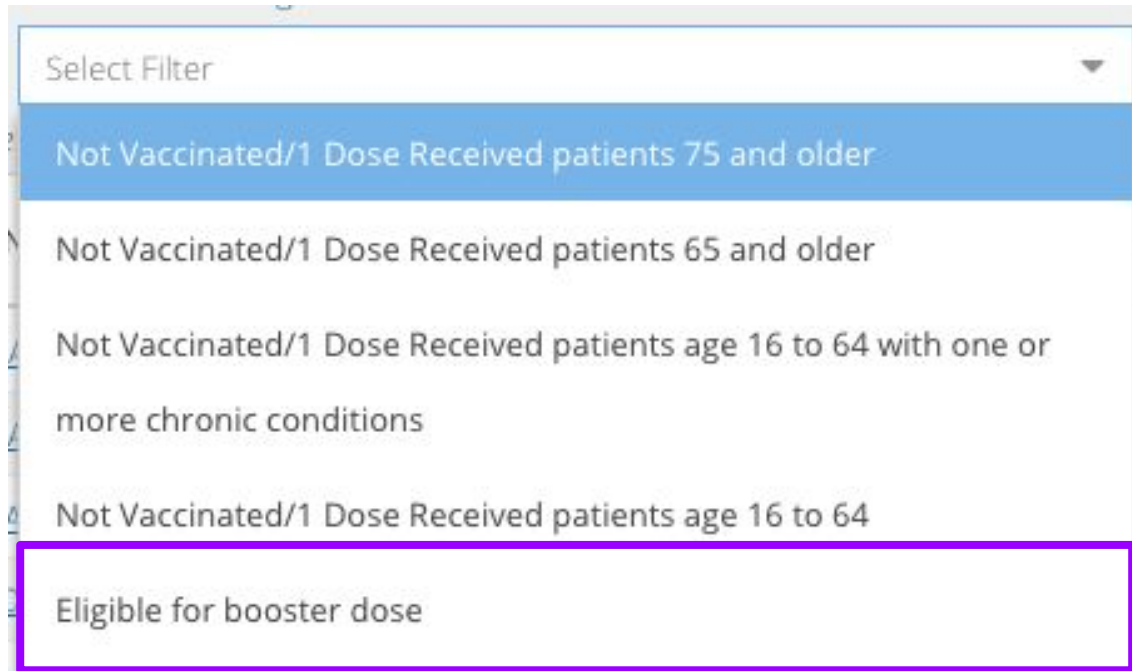
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What did you get?	When are you eligible for a booster?	Who is eligible for a booster?	What should you get for your booster?
Pfizer	<b>5 months</b> after 2nd dose	<b>12+</b>	<i>Pfizer or Moderna</i>
Moderna	<b>5 months</b> after 2nd dose	18+	<i>Pfizer or Moderna</i>
J&J	2 months after single dose	18+	<i>Pfizer or Moderna</i>

- ❖ \*Updated: [COVID-19 Vaccine Booster Guide for PCPs](#)
- ❖ ***Boosters are our best protection against Omicron and many vulnerable patients have not received boosters***



# CRISP Booster Eligible Filter



❖ New CRISP Vaccine Tracker filter shows patients due for a booster who have not yet received one.

❖ ***Use the filter to find your patients to outreach for booster doses***

*Note: this filter does not currently filter out deceased patients. Use the “Expired” column in the Vaccine Tracker to further filter out deceased patients. A fix for this is in the works.*

# Third Doses for Immunocompromised

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- ❖ After completing the primary series, some moderately or severely immunocompromised people should get an additional primary shot
- ❖ Pfizer
  - Individuals that are 5+
  - Moderately-to-severely immunocompromised
  - 28 days after second dose
- ❖ Moderna
  - Individuals that are 18+
  - Moderately-to-severely immunocompromised
  - 28 days after second dose

# Stay “Up To Date” with Vaccines

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- ❖ The CDC is now using the term “Up To Date” to indicate individuals that have obtained their primary COVID-19 vaccine series and any eligible booster doses
  - Examples of patients that are **up to date**:
    - 12+ patient has obtained doses 1 and 2 of Pfizer and a booster dose five months later
    - 18+ patient that is immunocompromised has obtained doses 1, 2, and 3 of Moderna and a booster dose five months later
  - Examples of patients that are **not up to date**:
    - 18+ patient has *only* obtained doses 1 and 2 of Moderna more than five months ago
- ❖ Definition of “fully vaccinated” indicates individuals that have completed the primary series

# Primary Care and Vaccines

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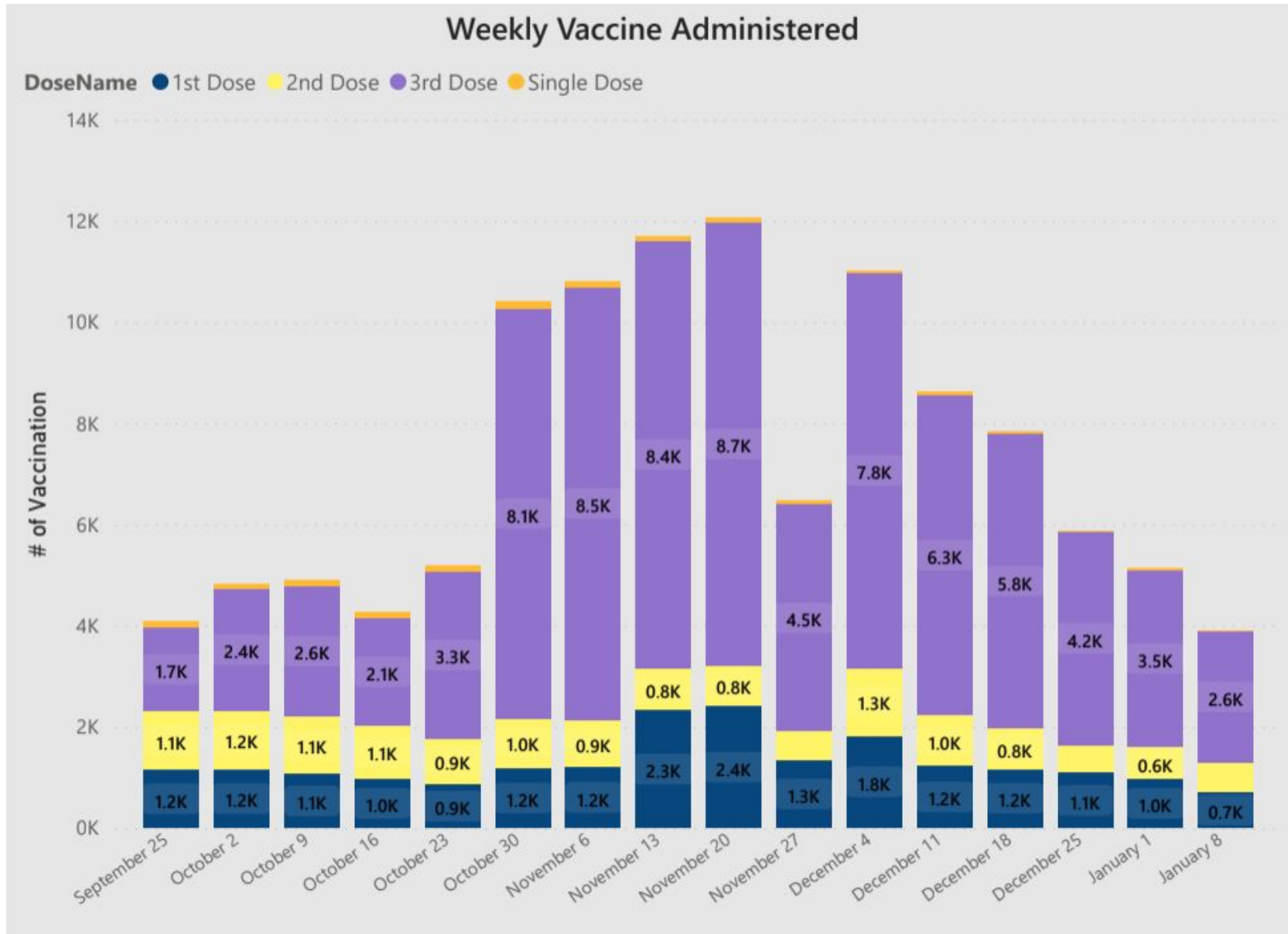
Cumulative Doses Administered

**658,281**

- ❖ 475 primary care practices are involved in the Primary Care Vaccine Program

**Primary care providers are one of the most influential people in patients' lives and with increasing cases, we are inviting all providers to join the vaccination efforts**

# Primary Care and Booster Doses



# Pediatrics Vaccination Data

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In Maryland, as of 1/9/22:

- ❖ Among 5-11-year-olds:
  - **35.7%** have received at least 1 dose
  - **24.5%** have received 2 doses
- ❖ Among 12-15-year-olds
  - **73.4%** have received at least 1 dose
  - **66.3%** have received 2 doses
- ❖ Among 16-17-year-olds
  - **78.5%** have received at least 1 dose
  - **71.8%** have received 2 doses
  - As of 1/11/2021, **27,769** 16-17 year olds in MD had received a booster

# Outreaching to Patients

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- ❖ Information and education
  - [Public Health Collaborative toolkit](#) for 5-11 Pfizer vaccines
  - [Public Health Collaborative toolkit](#) for COVID-19 boosters
  - [Public Health Collaborative messaging](#) for Omicron variant
- ❖ Communication resources
  - [Public Health Collaborative Holiday safety tips](#)
  - The National Hispanic Medical Association - [Vaccinate for All Toolkit](#) (available in [Spanish](#))
  - [Vaccine Outreach Call Script](#)
  - [Vaccine Communication & Outreach Strategies in Primary Care](#)

# Therapeutics

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# Covid Therapeutics- Overview

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*Timing is critical → the sooner the better*

- ❖ Remdesivir- new indication for ambulatory
  - 3 day protocol
  - Antiviral infusion
- ❖ Monoclonal Antibody - Sotrovimab
  - Prioritize patients per [NIH prioritization guidelines](#)
- ❖ Oral Antivirals - Paxlovid and Molnupiravir
  - Early prescribed treatment
- ❖ Long acting IM Prophylaxis - Evusheld (AstraZeneca)
  - Prophylaxis for immunocompromised
  - Hospital allocation only currently

# Monoclonal Antibody Therapy

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- ❖ In short supply and high demand
- ❖ Sotrovimab resilient against Omicron
- ❖ Reminder: Bam/ete and Regen-Cov are ineffective against Omicron, and only used where Omicron not expected (80% cutoff point suggested)
- ❖ Ensure referrals are fully and accurately completed to avoid rejection
  - Ex: Missing reason for referral (specific condition isn't listed, BMI status and number not listed), cannot read provider name
- ❖ Prioritize patients (*see next slide*)

# NIH Guidelines on Prioritization

## Patient Level

- ❖ Treatment only now
  - No PEP with Sotrovimab
- ❖ Unvaccinated over vaccinated
- ❖ Other priorities to consider
  - Early in course
  - B cell abnormalities
  - Solid organ transplants
  - Severe underlying conditions

Tier	Risk Group
1	<ul style="list-style-type: none"> <li>• Immunocompromised individuals not expected to mount an adequate immune response to COVID-19 vaccination or SARS-CoV-2 infection due to their underlying conditions, regardless of vaccine status (see Immunocompromising Conditions below); or</li> <li>• Unvaccinated individuals at the highest risk of severe disease (anyone aged <math>\geq 75</math> years or anyone aged <math>\geq 65</math> years with additional risk factors).</li> </ul>
2	<ul style="list-style-type: none"> <li>• Unvaccinated individuals at risk of severe disease not included in Tier 1 (anyone aged <math>\geq 65</math> years or anyone aged <math>&lt; 65</math> years with clinical risk factors)</li> </ul>
3	<ul style="list-style-type: none"> <li>• Vaccinated individuals at high risk of severe disease (anyone aged <math>\geq 75</math> years or anyone aged <math>\geq 65</math> years with clinical risk factors)</li> </ul> <p><b>Note:</b> Vaccinated individuals who have not received a COVID-19 vaccine booster dose are likely at higher risk for severe disease; patients in this situation within this tier should be prioritized for treatment.</p>
4	<ul style="list-style-type: none"> <li>• Vaccinated individuals at risk of severe disease (anyone aged <math>\geq 65</math> years or anyone aged <math>&lt; 65</math> with clinical risk factors)</li> </ul> <p><b>Note:</b> Vaccinated individuals who have not received a COVID-19 vaccine booster dose are likely at higher risk for severe disease; patients in this situation within this tier should be prioritized for treatment.</p>

# Monoclonal Antibody Referrals

## ❖ Referral Options

- Option 1: [CRISP eREFERRAL for Monoclonal Antibody Infusion](#)
- Option 2: [Maryland Referral Form for Monoclonal Antibody Infusion Treatment](#) (Updated weekly)
- Some sites allow patients to self-refer for evaluation (listed on referral materials)



### Monoclonal Antibody Checklist

The Maryland Department of Health (MDH) provides this clinical criteria checklist as a resource for referring or administering monoclonal antibodies (mAb). There are currently three products authorized under Emergency Use Authorization (EUA): [Bamlanivimab and Etesevimab](#), [REGEN-COV](#), and [Sotrovimab](#).<sup>1</sup> Monoclonal antibodies are currently indicated for two purposes: certain individuals with active COVID-19 and as a post-exposure prophylaxis in vulnerable persons (e.g., not fully vaccinated or immunocompromised) who are at high-risk for progression to severe COVID-19.

Determine Eligibility for Monoclonal Antibody Treatment for Patients	
Track 1 - Active COVID-19 Infection	Track 2 - Post-Exposure Prophylaxis
1. Is the patient 12 years of age or older weighing at least 88 pounds? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 2.	1. Is the patient 12 years of age or older weighing at least 88 pounds? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 2.
2. Does the patient have a positive COVID-19 PCR or antigen test result? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 3.	2. Does the patient meet high-risk exposure criteria as defined by CDC Quarantine and Isolation guidance? <sup>2</sup> If <b>NO</b> , <b>Proceed to Number 3</b> ; <b>YES</b> , proceed to number 4.
3. Does the COVID-19 positive patient have mild to moderate COVID-19 symptoms such as fever, cough, shortness of breath, loss of taste/smell, fatigue, nausea, vomiting, diarrhea, throat pain, congestion, myalgia, or headache? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 4.	3. Is the patient at high risk of exposure to an individual infected with COVID-19 in the same institutional setting? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 4.
4. Has it been less than 10 days since symptom onset and positive COVID-19 test result? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 5.	4. Is the individual <b>NOT</b> fully vaccinated? <sup>3</sup> If <b>NO</b> (individual is fully vaccinated), <b>Proceed to Number 5</b> ; <b>YES</b> (individual is not fully vaccinated), proceed to number 6.
5. Is the COVID-19 positive patient at high risk <sup>4</sup> for progression to severe COVID-19, including hospitalization or death? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 6.	5. Is the individual anticipated to <b>NOT</b> mount an adequate immune response to complete SARS-CoV-2 vaccination (e.g. immunocompromised or taking immunosuppressive medications)? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 6.
6. If any of the following apply, <b>STOP</b> ; the patient is not eligible for treatment. Otherwise, proceed to number 7. <ul style="list-style-type: none"> <li>• Patient hospitalized for COVID-19</li> <li>• Patient requires oxygen therapy due to COVID-19</li> <li>• Patient requires require an increase in baseline oxygen flow rate due to COVID-19</li> <li>• Patient is in imminent need of hospitalization due to COVID-19</li> </ul>	6. If exposure occurred within the past 96 hours, patient meets eligibility criteria; proceed with administration or referral. Patients who meet eligibility criteria can be referred to facilities geographically spread across Maryland for equitable access. To refer a patient, please use the CRISP platform <a href="#">eReferral Tool</a> or the Maryland Department of Health (MDH) <a href="#">Maryland Referral Form</a> .
7. Patient meets eligibility criteria; proceed with administration or referral. For referral resources see Track 2 No. 6.	

<sup>1</sup> Sotrovimab is not authorized for post-exposure prophylactic administration and is only commercially available at this time.  
<sup>2</sup> Close contact with an infected individual is defined as being within 6 feet for a total of 15 minutes or more, providing care at home to someone who is sick, having direct physical contact with the person (hugging or kissing, for example), sharing eating or drinking utensils, or being exposed to respiratory droplets from an infected person (sneezing or coughing, for example). See this website for additional details: <https://www.cdc.gov/soronets/2019/nCoV-19-post-exposure-prophylaxis.html>  
<sup>3</sup> Individuals are considered to be fully vaccinated 2 weeks after their second vaccine dose in a 2-dose series (such as the Pfizer or Moderna vaccines), or 2 weeks after a single-dose vaccine (such as the Johnson & Johnson/Janssen vaccine). See this website for more details: <https://www.cdc.gov/soronets/2019/nCoV-19-vaccines/fullly-vaccinated.html#vaccinated>  
<sup>4</sup> For further information as what qualifies an individual as high risk please see slide 39 of the Monoclonal Antibody Clinical Implementation Guide available at: [https://www.dhs.gov/emergency-events/covid19-investigation-MCM/Documents/USG\\_COVID19-1x\\_Playbook.pdf](https://www.dhs.gov/emergency-events/covid19-investigation-MCM/Documents/USG_COVID19-1x_Playbook.pdf)



# NIH Guidance on Outpatient Therapeutic Preferences

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- 1) Paxlovid first when no contraindications
- 2) Sotrovimab when available
- 3) Remdesivir – off label
- 4) Molnupiravir – if no other
- 5) Bam/etes or Regen-Cov if Delta

[NIH guidelines link](#)

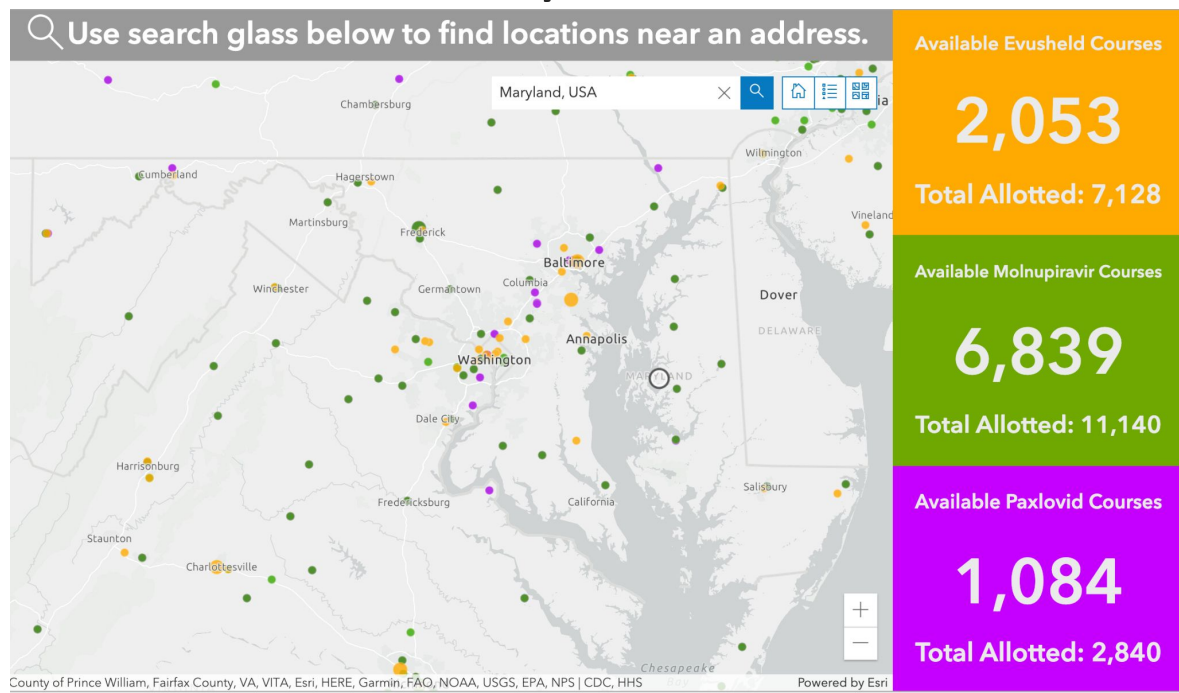
# Oral Antiviral Agents Overview

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- ❖ [Paxlovid FDA EUA](#) and [Molnupiravir FDA EUA](#)
- ❖ Dedicated pharmacies across state - list provided in “Clinician Letter” from Monday 12/27
  - Prescribed medication
- ❖ Start within 5 days of symptoms - sooner the better
- ❖ Proof of positive Covid test
  - Can be any type of Covid test
- ❖ No cost to patients for treatment
  - Delivery fees may apply

# Oral Agent Inventory Confirmation

- ❖ Check inventory prior to ordering to ensure availability:
  - Check website at [MedChi.org](https://www.MedChi.org) updated regularly
  - Use this [HHS finder tool](#) to identify where you can refer patients and the inventory available at those locations:



Store Name	Address	County	Courses of Molnupiravir	Courses of Paxlovid
Walgreens 17857	101 Bishop Murphy Dr, Frostburg, MD 21532	Allegany	200	1
Walgreens 12266	209 N 3rd St, Oakland, MD 21550	Garrett	199	2
Walgreens 13892	17703 Virginia Ave, Hagerstown, MD 21740	Washington	200	0
Walgreens 10402	11745 Rousby Hall Rd, Lusby, MD 20657	Calvert	0	71
Walgreens 10063	6300 Crain Hwy, La Plata, MD 20646	Charles	179	30
Walgreens 17917	12701 Laurel Bowie Rd, Laurel, MD 20708	Prince George's	198	0
Walgreens 10905	640 Sunburst Hwy, Cambridge, MD 21613	Dorchester	3	0
Walgreens 15284	900 N Washington St, Baltimore, MD 21205	Baltimore City	197	1
Walgreens 12130	909 Mount Hermon Rd, Salisbury, MD 21804	Wicomico	198	0
Walgreens 6779	9616 Harford Rd, Baltimore, MD 21234	Baltimore County	58	0
Walgreens 17944	110 Mitchells Chance Rd, Edgewater, MD 21037	Anne Arundel	0	0
Walgreens 11949	5585 Twin Knolls Rd, Columbia, MD 21045	Howard	394	0
Walgreens 19380	6970 Crestwood Boulevard, Frederick, MD 21703	Frederick	194	0
Walgreens 10977	301 E Pulaski Hwy, Elkton, MD 21921	Cecil	200	0
Walgreens 11763	701 Washington Ave, Chestertown, MD 21620	Kent	198	0
Walgreens 19966	19927 Century Blvd, Germantown, MD 20874	Montgomery	143	0

As of 1/11:

- ❖ Available Paxlovid: **221**
- ❖ Molnupiravir: **3,804**

More info on [MedChi.org](https://www.MedChi.org)



# Paxlovid

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- ❖ FDA authorized an [EUA for Paxlovid](#) on 12/22
- ❖ USG purchased 10 million courses for first half of 2022
  - 960 doses for Maryland
- ❖ Eligibility
  - Intended for mild-to-moderate Covid in **12+ adults** weighing at least 40 kilograms that test positive and are at high risk for progression to severe Covid-19
  - Medication must be initiated within 5 days of the onset of symptoms
- ❖ Study data
  - Paxlovid appears to cut the risk of hospitalization and death by 89%
- ❖ Dosage information in [FDA Fact Sheet](#)

# Paxlovid Prescribing Details

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- ❖ Renal impairment adjustments
- ❖ Cautions after use regarding oral contraceptives
- ❖ Untreated or uncontrolled HIV cautions
- ❖ Medication interactions
  - Cytochrome P3A inhibitor
  - Drugs that use P3A for metabolism may be increased
  - P3A inducing drugs may reduce effectiveness of Paxlovid
  - [See Fact Sheet for Healthcare Providers](#) for full prescribing information

Paxlovid is **contraindicated** with **drugs that are highly dependent on CYP3A for clearance** and for which elevated concentrations are associated with serious and/or life-threatening reactions

- Alpha<sub>1</sub>-adrenoreceptor antagonist: alfuzosin
- Analgesics: pethidine, piroxicam, propoxyphene
- Antianginal: ranolazine
- Antiarrhythmic: amiodarone, dronedarone, flecainide, propafenone, quinidine
- Anti-gout: colchicine
- Antipsychotics: lurasidone, pimozide, clozapine
- Ergot derivatives: Dihydroergotamine, ergotamine, methylergonovine
- HMG-CoA reductase inhibitors: lovastatin, simvastatin
- PDE5 inhibitor: sildenafil (Revatio) when used for pulmonary arterial hypertension (PAH)
- Sedative/hypnotics: triazolam, oral midazolam

Paxlovid is **contraindicated** with **drugs that are potent CYP3A inducers where significantly reduced nirmatrelvir or ritonavir plasma concentrations may be associated with the potential for loss of virologic response and possible resistance**. Paxlovid cannot be started immediately after discontinuation of any of the following medications due to the delayed offset of the recently discontinued CYP3A inducer

- Anticancer drugs: apalutamide
- Anticonvulsant: carbamazepine, phenobarbital, phenytoin
- Antimycobacterials: rifampin
- Herbal products: St. John's Wort

# Molnupiravir

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- ❖ FDA authorized an [EUA for Molnupiravir](#) on 12/23
- ❖ USG allocating 300,000 courses initially (3.1 million total)
  - 4,500 doses for Maryland
- ❖ Eligibility
  - Intended for mild-to-moderate Covid in **18+ adults** weighing at least 40 kilograms that test positive and are at high risk for progression to severe Covid-19
  - Medication must be initiated within 5 days of the onset of symptoms
  - *Not indicated during pregnancy*- needs post use contraception
- ❖ Study data
  - Molnupiravir appears to cut the risk of hospitalization and death by 30%

# Remdesivir for Outpatient Therapy

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- ❖ FDA off label use - currently only shipping to hospitals
- ❖ For individuals 12 years and older and weighing 40 kg or more
- ❖ Treatment
  - Remdesivir 200 mg IV on Day 1, followed by Remdesivir 100 mg IV daily on Days 2 and 3
  - Initiated as soon as possible and within 7 days of symptom onset
- ❖ Study data
  - 3 consecutive days of IV Remdesivir resulted in an 87% relative reduction in risk of hospitalization or death compared to placebo

# Evusheld - Long Acting Prophylaxis

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- ❖ On 12/8, the FDA issued an [EUA for Evusheld](#)
  - Moderate to severe immune compromise
  - Unable to take vaccine due to severe allergy to all
  - IM dosing at 6 month intervals
- ❖ Allocation
  - Began in late December, now increasing
  - Allocation directly to hospital partners
  - Prioritization programs at JHH and UMMS
  - Referrals done in hospitals
  - Referrals expanding as early as next week
- ❖ Clinician letter with hospital information sent out

# Referring to Treatment

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- ❖ Refer highest risk eligible patients to monoclonal antibody treatment
  - See appendix for referral resources
- ❖ POC test and prescribe oral agents
  - Confirm inventory before prescribing
- ❖ Use NIH guidelines for treatment recommendations
- ❖ ***The earlier the better***

**Adult or pediatric (age 12 and older and weight 40kg or greater) with mild to moderate COVID-19 & high risk for progression to severe disease**

+

**Is Patient:**

- Hospitalized for COVID-19 **OR**
- Requiring O<sub>2</sub> **OR** an increase in baseline home O<sub>2</sub> due to COVID-19

No

**Symptom onset within the past 5-7 days?**

Yes

Does patient have severe renal impairment (eGFR <30mL/min) **OR** severe hepatic impairment (child-pugh class C)

Yes

**Symptom onset within the past 10 days?**

Yes

**Consider the following (symptoms within 10 days)<sup>1</sup>:**  
sotrovimab 500 mg IV ([sotrovimab EUA](#))

No

**Treatment of symptoms, Management per NIH & CDC Guidelines**

Yes

No

**Consider one of the following therapeutics, if available<sup>1,2</sup>:**

**Paxlovid** within 5 days of symptom onset

**eGFR 60 mL/min or greater:** 300mg nirmatrelvir taken with 100mg ritonavir twice daily for 5 days

**eGFR ≥30-≤60:** 150mg nirmatrelvir taken together with 100mg ritonavir twice daily for 5 days; evaluate concomitant use of CYP3A inducers and medications with high dependency on CYP3A for clearance as these may be contraindicated per [Paxlovid EUA](#)

OR

**sotrovimab** 500 mg IV within **ASAP 10 days of symptom onset** ([sotrovimab EUA](#))

OR

**Remdesivir** 200mg IV x 1 dose on day 1, 100mg IV x1 on days 2-3 begun ASAP and within **7 days of symptom onset<sup>1</sup>**

If none of the above therapeutics are available for patient treatment within 5 days of symptom onset and patient is **age 18 or greater**

No

**Possibility of pregnancy, if applicable, is ruled out?**

Yes

**Consider molnupiravir**

- Authorized only in patients ages 18 and older
- Within 5 days of symptom onset
- Molnupiravir 800mg by mouth every 12h for 5 days
- Prescribers must review and comply with the mandatory requirements outlined in [the molnupiravir EUA](#)

**Limited use of bamlanivimab/etesevimab and REGEN-COV as they are not expected to be active against the Omicron variant<sup>1</sup>**

<sup>1</sup>Refer to the [NIH COVID-19 Treatment Guidelines Panel's Statement on the Use of Anti-SARS-CoV-2 Monoclonal Antibodies or Remdesivir for the Treatment of Covid-19 in Nonhospitalized patients when Omicron is the Predominant Circulating Variant](#);

Remdesivir is only approved for hospitalized individuals with COVID-19. Outpatient treatment is based on information from the literature ([Dec 22, 2021 Early Remdesivir to Prevent Progression to Severe Covid-19 in Outpatients](#); DOI: 10.1056/NEJMoa2116846)

<sup>2</sup> COVID-19 convalescent plasma with high titers of anti-SARS-CoV-2 antibodies is authorized for the treatment of COVID-19 in patients with immunosuppressive disease in either the outpatient or inpatient setting ([COVID-19 Convalescent Plasma EUA](#))



# Testing

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# Testing Options

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- ❖ View this [comparison tool](#) for Covid testing options
- ❖ Rule of Thumb:
  - Symptomatic patient?
    - Conduct a point-of-care test as early as possible once symptomatic
  - Asymptomatic patient?
    - Conduct a PCR test 5 days after known exposure

# Point-of-Care Tests

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- ❖ Use point-of-care tests to rapidly diagnose patients
- ❖ Used for symptomatic patients
- ❖ Tests can be conducted outside of a lab setting including congregate care facilities, physician offices, etc. Results typically ready in ~ 15 minutes
- ❖ [Rapid point-of-care testing toolkit](#)

Action Steps: [Order](#) and conduct point-of-care tests for eligible patients

# Refer for Testing

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- ❖ Use [this toolkit](#) to guide testing protocols and communication
- ❖ Consider PCR testing for asymptomatic patients
  - Review [this webinar](#) (beginning at 51:00) for PCR testing options
- ❖ Refer patients for testing at [one of these sites](#)

# Masks

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# Despite Omicron, pandemic fatigue continues to take hold on the U.S. public; high-efficiency masks are recommended to disrupt the transmission cycle

## Pandemic fatigue and changes in CDC guidance

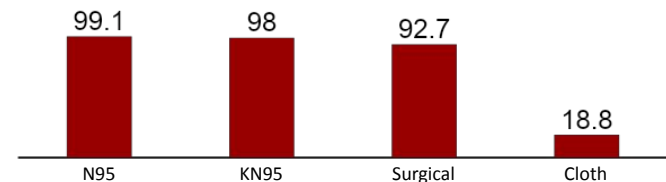
- On Dec 27, the CDC **shortened their recommended isolation period** for those with exposure to COVID or a positive test, largely due to pandemic fatigue:
  - For un-boosted individuals, guidance is to quarantine for 5 days (down from 10 days) + 5 days of masking following quarantine
  - For boosted individuals, 10 days of masking is recommended
- **Travel demand** over the holidays was far higher than one year before, despite omicron / COVID-19 concerns (TSA daily travel up 177% vs. last year)

## Masking approaches in other states and countries

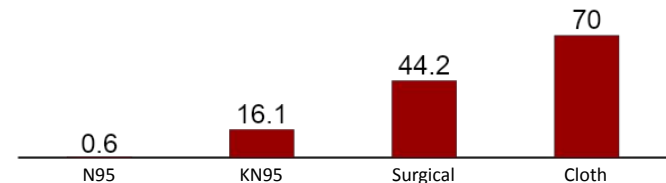
- **Masks remain a polarizing issue**, with state strategies ranging from universal mandates to bans on mask mandates
  - **8 states** have some form of mask mandates, while **9 states** explicitly banned universal mandates (other states issued no guidance or recommend the use of masks in certain areas)
  - **15 states** have some mask mandate or requirement for masks in schools, while the majority of states yield to local discretion
- In an effort to battle Omicron, on Nov 28 the **UK reinstated mask mandates for everyone** (including children) in indoor areas, with the exception of bars, restaurants, and gyms

## Clinical studies show mask type and fit matters

### Particle filtration efficacy by mask type<sup>1</sup>



### Total inward leakage percentage (TILP) by mask type<sup>2</sup>



1. Data from 2021 National Institutes of Health study on comparative filtration performance of cloth face masks

2. Data from 2021 PLoS One journal article on the protective performance of cloth, disposable, KN95 and N95 masks and respirators measuring filtration and inward leakage  
Source: NYT, CNN, SSRS, CDPH, CDC, TSA, The Hill, CBS, Governor of Rhode Island, JEHP, NIH, Physics of Fluids, WPHC, Frontiers in Medicine Journal, Plos One

# New CDC Quarantine and Isolation Guidelines

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# New CDC Quarantine and Isolation Guidelines

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## If You Test Positive for COVID-19 (Isolation)

### **Everyone, regardless of vaccination status:**

- Stay home for 5 days
- If asymptomatic after 5 days, you can leave your house
- Continue to wear a mask around others for 5 additional days
- You may test at day 5 and without symptoms:
  - If positive, continue to isolate to day 10
  - If negative, end isolation and continue to wear a mask around others until day 10

*If you have a fever or other symptoms, continue to stay home until symptoms resolve*

(Quarantine guidelines on next slide)





# New CDC Quarantine and Isolation Guidelines

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## If You Were Exposed to Someone with COVID-19 (Quarantine)

### **If you are unvaccinated or overdue for a booster:**

- Stay home for 5 days. After that continue to wear a mask around others for 5 additional days.
- If you can't quarantine you must wear a mask for 10 days.
- Test on day 5 if possible.

*If you develop symptoms, get a test and stay home.*

### **If you are vaccinated and boosted:**

- Wear a mask around others for 10 days.
- Test on day 5, if possible.

*If you develop symptoms, get a test and stay home*

# Quarantine in High-Risk Congregate Settings

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## High-Risk Congregate Settings:

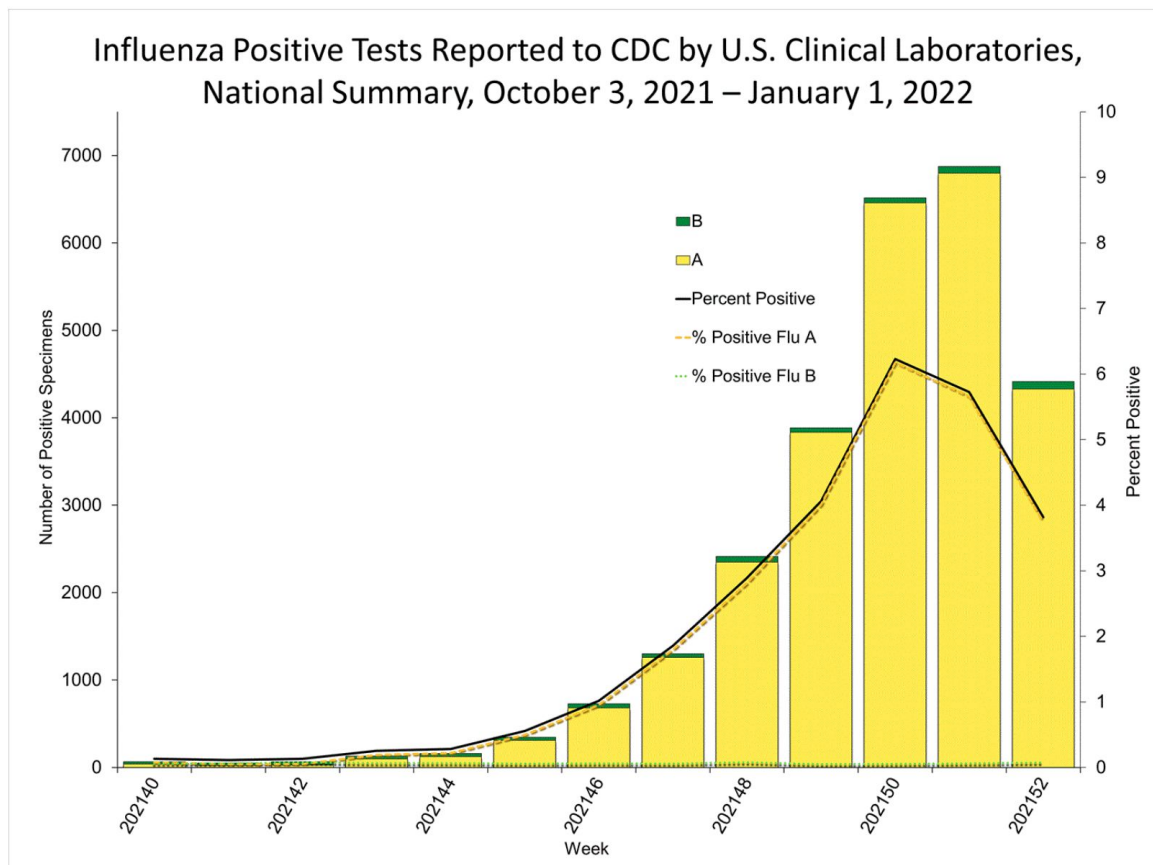
### **Everyone, regardless of vaccination status:**

- High-risk congregate settings that have a high risk of secondary transmission
  - Examples: Correctional facilities, detention centers, homeless shelters, and cruise ships
- Residents quarantine for 10 days regardless of vaccination and booster status
- [CDC setting-specific guidance](#)

# Influenza Information

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# Influenza in the U.S.



- ❖ 3.8% positivity for influenza this week
- ❖ Majority of viruses detected are influenza A(H3N2)

# Influenza in Maryland

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- ❖ As of 1/7, ILI activity indicators
  - Influenza-like illness (ILI) activity is considered **high**
- ❖ Activity indicators
  - Visits to Maryland sentinel outpatient providers for ILI is **3.3%**
    - Maryland baseline is 2.0%
  - Variants among positive influenza cases:
    - 60% Type A influenza
    - 40% Type B influenza
  - Three active influenza outbreaks
- ❖ Severity indicators
  - 27 hospitalizations
  - 0 deaths

# Key Points

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- ❖ Influenza activity is increasing again, particularly in states along the East Coast
- ❖ Infections are most common among 5-24 year-olds
- ❖ Fast growing age group for cases is adults 25+
- ❖ Hospitalizations are increasing

Influenza vaccination uptake is lower than previous seasons and the **annual influenza vaccination** is the best way to protect against influenza infection

# Takeaways: Triple Play Strategy

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# Triple Play and Takeaways for Primary Care

- ❖ Covid isn't over
- ❖ Unlike this time last year, we now have **baseball bats**, a **better pitch**, and **protective gear**
- ❖ The **Triple Play** will lead us through Omicron and the Winter season
  - **Vaccines - including boosters**
  - **Testing - test at your practice**
  - **Therapeutics - prescribe antivirals and mAb referrals**



## The COVID-19 Triple Play: Three Keys to COVID Mitigation in Primary Care



There are many strategies and a lot of information out there related to COVID-19. With the winter holidays around the corner, focus on three essential areas for primary care to mitigate COVID-19 -- primary care's triple play. Below you will find the three essential focus areas and related links to guide your practice.



### **Vaccines**

- Order [COVID-19 vaccines](#) on Thursdays between 8:00-4:00PM
- Fill out 5-11 Pediatric vaccine surveys during state allocation phase
- Outreach to patients to get them in for initial vaccines and **booster** dose appointments
- Refer patients to a [vaccinating site](#) or request a [mobile vaccination clinic](#) via this [form](#)



### **Testing**

- Order free Point-of-Care tests in order to quickly diagnose patients
  - [Ordering form](#)
- Consider PCR testing for asymptomatic patients
  - Review [this webinar](#) (beginning at 51:00) for PCR testing options
- Use [this toolkit](#) to guide testing protocols and communication



### **Therapeutics**

- Refer eligible patients for monoclonal antibody treatment
  - Refer in [CRISP](#) or use this [referral form](#)
- Prepare for the roll out of Molnupiravir, which will be [reviewed by the FDA](#) on 11/30, by ordering Point-of-Care tests to rapidly diagnose



Page 1

**With this triple play, we can send COVID-19 to the dugout!**





# Take Care of Yourself and Your Staff

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- ❖ It is not selfish to take breaks and you cannot work nonstop
- ❖ Check in on your team and talk about your feelings and experiences
- ❖ Connect with family and friends

*You have been an essential part of the Covid response  
and have saved countless lives*

***Thank you for all that you do!***

# Pandemic End Game 2022

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- ❖ We will not eradicate this virus
- ❖ The virus will continue to mutate with selective advantage being higher transmission rate
- ❖ Population will have some level of virus recognition
- ❖ Variants such as Omicron will be less virulent
- ❖ Additional therapies will reduce death and hospitalizations
- ❖ The pandemic will fade into a manageable status
- ❖ We will be better prepared for the next global threat

# Questions From Last Webinar

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# Questions from Last Webinar

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Q: Do we need to report point-of-care (POC) test results anywhere and if so, where?

- Yes, both positive and negative results need to be reported to CRISP. This reporting can be done in the ULP under the COVID-19 LAB TOOLS tab. Additional information can be found on the [CRISP website here](#).

Q: Is it better to perform Covid tests orally or nasally?

- It is recommended that Covid tests be performed as the instructions permit. The oral and nasal tests both have high efficacy, and we recommend using the tests you have according to its instructions

# Questions from Last Webinar

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Q: Do providers need to have any certification to request and perform point-of-care (POC) tests?

- Yes, providers need to have a CLIA certification and a Maryland Laboratory license
  - More information is available [here](#)
- Due to ongoing MDH network issues, CLIA applications can be submitted directly to Paul Celli with the Office of Health Care Quality at: [paul.celli@maryland.gov](mailto:paul.celli@maryland.gov)

# Future Webinars

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**Thank you to all of our providers and their staff who have been true healthcare heroes throughout the pandemic**

*Regular Wednesday Covid-19 Updates occur every other week:*

- ❖ Wednesday, 1/26, 5:00 PM - 6:30 PM
  - Registration link [here](#)
- ❖ Wednesday, 2/2, 5:00 PM - 6:30 PM
  - Registration link [here](#)

# Announcements

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- ❖ BHA and MedChi are hosting a Webinar Series, “Helping the Helpers and Those They Serve”
  - Next webinar is Thurs, 1/13 at 5PM titled, “*Cultivating Compassion and Resilience for Yourself and Those in Your Care*”
    - Register [here](#)
- ❖ Open enrollment is live for Maryland Health Connection and **closes 1/15/22**- Additional information is in the Appendix of this slide deck
- ❖ [COVID-19 Triple Play Strategy Guide](#)

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# Question and Answer Session



# CME

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# CME Accreditation and Designation

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- ❖ This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of MedChi, The Maryland State Medical Society, and The Maryland Department of Health. MedChi is accredited by the ACCME to provide continuing medical education for physicians.
- ❖ MedChi designates this live webinar educational activity for a maximum of 1 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Contact Frank Berry at [fberry@medchi.org](mailto:fberry@medchi.org)

# CME Disclosures and Evaluation

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- ❖ Presenters and Planners: Howard Haft, MD, has reported no relevant financial relationships to disclose.
- ❖ MedChi CME Reviewers: The reviewers from the MedChi Committee On Scientific Activities (COSA) for this activity have reported no relevant financial relationships to disclose.
- ❖ *Attendees can receive CME credit by completing [this evaluation](#) after each webinar. MedChi will then be in contact with the certificate*

# Appendix

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## Resources

# CDC Updated Recommendations

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- ❖ On 12/16, the CDC updated its recommendations on COVID-19 vaccines to include a clinical preference for the two mRNA vaccines (Pfizer and Moderna) over J&J
- ❖ J&J still available

# Pfizer 'Gray Cap'

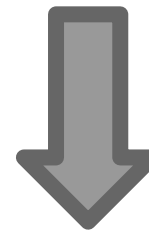
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- ❖ Beginning 12/23, a new Pfizer vaccine formulation will become available (Pfizer Tris-sucrose Adult Formulation)
- ❖ For all 12+ individuals
- ❖ Changes to ordering and handling:
  - They will have a gray cap
  - Will be available in smaller 300-dose configuration
  - Does not require diluent
  - May be stored at 2-8°C(36-46°F) for up to 10 weeks



**Practices should use current remaining Pfizer inventory before ordering the Tris-Adult formulation**

# More on 'Gray Cap'



Description	Dilute Before Use	Do Not Dilute	Dilute Before Use
Age Group	12 years and older <sup>1,2</sup>	12 years and older <sup>3</sup>	5 through 11 years <sup>4</sup> ("Age 5y to <12y" on vial label)
Vial Cap Color	Purple 	Gray 	Orange 
Dose	30 mcg	30 mcg	10 mcg
Dose Volume	0.3 mL	0.3 mL	0.2 mL
Amount of Diluent Needed per Vial*	1.8 mL	NO DILUTION	1.3 mL
Doses per Vial	6 doses per vial (after dilution)	6 doses per vial	10 doses per vial (after dilution)

- ❖ [Pfizer Vaccine Formulation/Presentation Guide](#)
- ❖ Pfizer trainings are ongoing and additional information is in the announcements section of this slide deck

# Holiday Vaccine Ordering

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- ❖ Holiday ordering will be limited
  - Ordering in ImmuNet will be available on Thurs, 12/23
    - No deliveries between Thurs, 12/23 - Mon, 12/27
    - **Orders placed on 12/23 will be delivered Tues, 12/28 and Wed, 12/29**
  - Ordering in ImmuNet will be available on Thurs, 12/30
    - No deliveries between Thurs, 12/30 - Tues, 1/4
    - **Orders placed on 12/30 will be delivered Wed, 1/5**



# Heterologous Dosing - Mixing and Matching

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- ❖ The CDC has now advised that booster doses can be a different vaccine type than the primary series
  - Ex: An individual that originally obtained Moderna for doses 1 and 2, can now obtain Moderna, Pfizer, or J&J for a booster if they are eligible for a booster dose
- ❖ All Moderna booster doses are a **half dose**, regardless of the individual's primary vaccine type

# 5-11 Yr Old Pediatric Pfizer Vaccine

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- ❖ Two dose regimen, dose 2 can be administered 21 days after dose 1
- ❖ Different product from 12+
- ❖ Will require reconstitution
- ❖ Allocation
  - Providers will need to manage 2nd dose appointments through supply provided; **no separate allocation for 2nd doses**
- ❖ MDH [Toolkit](#) for 5-11 Pediatric Pfizer Vaccine
  - Password: 5+Vaccine

# Moderate to Severe Immunocompromise

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- Active treatment for solid tumor and hematologic malignancies
- Receipt of solid-organ transplant and taking immunosuppressive therapy
- Receipt of CAR-T-cell therapy or hematopoietic cell transplant (HCT) (within 2 years of transplantation or taking immunosuppression therapy)
- Moderate or severe primary immunodeficiency (e.g., DiGeorge syndrome, Wiskott-Aldrich syndrome)
- Advanced or untreated HIV infection (people with HIV and CD4 cell counts  $<200/\text{mm}^3$ , history of an AIDS-defining illness without immune reconstitution, or clinical manifestations of symptomatic HIV)
- Active treatment with high-dose corticosteroids (i.e.,  $\geq 20$  mg prednisone or equivalent per day when administered for  $\geq 2$  weeks), alkylating agents, antimetabolites, transplant-related immunosuppressive drugs, cancer chemotherapeutic agents classified as severely immunosuppressive, tumor necrosis factor (TNF) blockers, and other biologic agents that are immunosuppressive or immunomodulatory

# Appendix

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## Monoclonal Antibody Treatment Information and Resources

# Monoclonal Treatment Eligibility

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## ❖ Who Qualifies for Treatment?

### ➤ mAb treatment is for adults and adolescents (12 and older) who:

- ✓ Recently tested positive for COVID-19
- ✓ Are within 10 days of first experiencing symptoms
- ✓ Do not need to be hospitalized for COVID-19
- ✓ Weigh at least 88 pounds

### ➤ Are in one of the following high-risk categories:

- ✓ Are age 55 to 64 AND have cardiovascular disease, hypertension, chronic respiratory diseases or COPD
- ✓ Have diabetes, obesity, kidney disease or other serious chronic conditions
- ✓ Are 65 years old or older
- ✓ Are pregnant
- ✓ For adolescents: high BMI, sickle cell disease, heart disease, neurodevelopmental disorders, a medical-related technological dependence, asthma or other chronic respiratory disease
- ✓ Or who have been determined by their healthcare provider to be at high risk for worsening and/or hospitalization

# Patient Facing Resources

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- ❖ Website
  - [Landing page](#)-- general page
  - [FAQ](#)-- detailed information about mAb
- ❖ Contact tracing
  - Direct text message to all contacts and people with positive tests (ages 18+) linking to Landing Page (Eng. & Sp.)
  - mAb information sent to Interviewed Cases & Exposed Contacts at conclusion of contact tracing interview
- ❖ Site Access and PEP status
  - Flyer with treatment location list, PEP information, and self-referral information

# Self-Referral Options for Patients

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- ❖ Patients should coordinate with their respective physician or care provider before contacting a location to schedule an appointment.
- ❖ Patients without a healthcare provider, contact [eVisit](#) to schedule a virtual appointment or complete a [self-referral form](#).
  - Eligible patient(s) will be referred to an infusion site for treatment.
- ❖ For those without internet access or a healthcare provider, they may contact the **MDH-supported monoclonal antibody call center** at **410-649-6122** (Monday – Friday from 8 a.m. to 5 p.m) and speak to a clinician to review eligibility.
  - \*Odenton VFD, City of Praise Ministries, and [MDmAbs](#) also accept direct patient contact to determine eligibility and/or schedule treatment

# Provider-Facing Resources

- ❖ Webinars - over 100
- ❖ Clinician Letters
  - “Checklist” to assist providers in determining patient eligibility for mAbs.
- ❖ Ease in making referral
  - Option 1: [CRISP eREFERRAL for Monoclonal Antibody Infusion](#)
  - Option 2: [Maryland Referral Form for Monoclonal Antibody Infusion Treatment](#) (Updating to include sites where PEP is available)
  - Some sites allow patients to self-refer for evaluation (listed on referral materials)



## Monoclonal Antibody Checklist

The Maryland Department of Health (MDH) provides this clinical criteria checklist as a resource for referring or administering monoclonal antibodies (mAb). These are currently three products authorized under Emergency Use Authorization (EUA): [Bamlanivimab and Etesevimab](#), [REGN-COV2](#), and [Sotrovimab](#).<sup>1</sup> Monoclonal antibodies are currently indicated for two purposes: certain individuals with active COVID-19 and as a post-exposure prophylaxis in vulnerable persons (e.g., not fully vaccinated or immunocompromised) who are at high-risk for progression to severe COVID-19.

Determine Eligibility for Monoclonal Antibody Treatment for Patients	
Track 1 - Active COVID-19 Infection	Track 2 - Post-Exposure Prophylaxis
1. Is the patient 12 years of age or older weighing at least 88 pounds? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 2.	1. Is the patient 12 years of age or older weighing at least 88 pounds? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 2.
2. Does the patient have a positive COVID-19 PCR or antigen test result? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 3.	2. Does the patient meet high-risk exposure criteria as defined by CDC Quarantine and Isolation guidance? <sup>2</sup> If <b>NO</b> , <b>Proceed to Number 3</b> ; <b>YES</b> , proceed to number 4.
3. Does the COVID-19 positive patient have mild to moderate COVID-19 symptoms such as fever, cough, shortness of breath, loss of taste/smell, fatigue, nausea, vomiting, diarrhea, throat pain, congestion, myalgia, or headache? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 4.	3. Is the patient at high risk of exposure to an individual infected with COVID-19 in the same institutional setting? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 4.
4. Has it been less than 10 days since symptom onset and positive COVID-19 test result? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 5.	4. Is the individual <b>NOT</b> fully vaccinated? <sup>3</sup> If <b>NO</b> (individual is fully vaccinated), <b>Proceed to Number 5</b> ; <b>YES</b> (individual is not fully vaccinated), proceed to number 6.
5. Is the COVID-19 positive patient at high risk <sup>4</sup> for progression to severe COVID-19, including hospitalization or death? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 6.	5. Is the individual anticipated to <b>NOT</b> mount an adequate immune response to complete SARS-CoV-2 vaccination (e.g. immunocompromised or taking immunosuppressive medications)? If <b>NO</b> , <b>STOP</b> ; <b>YES</b> , proceed to number 6.
6. If any of the following apply, <b>STOP</b> ; the patient is not eligible for treatment. Otherwise, proceed to number 7. <ul style="list-style-type: none"> <li>• Patient hospitalized for COVID-19</li> <li>• Patient requires oxygen therapy due to COVID-19</li> <li>• Patient requires require an increase in baseline oxygen flow rate due to COVID-19</li> <li>• Patient is in imminent need of hospitalization due to COVID-19</li> </ul>	6. If exposure occurred within the past 96 hours, patient meets eligibility criteria; proceed with administration or referral.  Patients who meet eligibility criteria can be referred to facilities geographically spread across Maryland for equitable access. To refer a patient, please use the CRISP platform <a href="#">eReferral Tool</a> or the Maryland Department of Health (MDH) <a href="#">Maryland Referral Form</a> .
7. Patient meets eligibility criteria; proceed with administration or referral. For referral resources see Track 2 No. 6.	

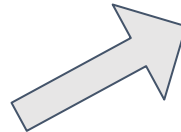
<sup>1</sup> Sotrovimab is not authorized for post-exposure prophylactic administration and is only commercially available at this time.  
<sup>2</sup> Close contact with an infected individual is defined as being within 6 feet for a total of 15 minutes or more, providing care at home to someone who is sick, having direct physical contact with the person (cuddling or kissing, for example), sharing eating or drinking utensils, or being exposed to respiratory droplets from an infected person (coughing or sneezing, for example). See this website for additional details: <https://www.cdc.gov/covid19/about/2022-05-05-covid-19-close-contact.html>.  
<sup>3</sup> Individuals are considered to be fully vaccinated 2 weeks after their second vaccine dose in a 2-dose series (such as the Pfizer or Moderna vaccines), or 2 weeks after a single-dose vaccine (such as the Johnson & Johnson Janssen vaccine). See this website for more details: <https://www.cdc.gov/vaccines/imz/011/>.  
<sup>4</sup> For further information as what qualifies an individual as high risk please see slide 39 of the Monoclonal Antibody Clinical Implementation Guide available at: <https://www.dhs.gov/comptroller/COVID-19/implementation/MABImplementationGuideCOVID-19-EPH2021.pdf>.





# Practice mAb Referral Workflow

- 1) Daily, go into the CRISP ENS PROMPT to [view new positive Covid-19 test results](#) for your patients
- 2) For Covid-positive patients, assess every patient for [mAb eligibility](#)
- 3) For eligible patients, call the patient to recommend mAb treatment
  - a) See this [patient-facing website](#)
- 4) Refer the patient to mAb treatment through [CRISP](#) or [externally](#)



HOME CALIPR PATIENT SNAPSHOT **ENS PROMPT** HEALTH RECORDS

COVID-19 RESULTS VIEWER REFERRAL PORTAL 2021 ECQMS SBIRT

Filter by Name or MRN CRISP DEMO

All Not started In progress Completed

Notifications count: 75  
last updated: 15:54 10/19/21

COCONUT DEMO1 (180034567)

MD NEDSS  
10/12/2021 09:05 AM  
OP Test Result  
COVID-19 Tested negative for COVID-19

# Additional Monoclonal Information

## Indications for Outpatient COVID-19 mAbs

### Monoclonal Antibody Indications and Routes of Administration

Monoclonal Antibody	TREATMENT of Mild to Moderate COVID-19 Infection within 10 days of symptom onset in patient with high risk of progression to severe disease	POST-EXPOSURE PROPHYLAXIS for individuals who are not fully vaccinated or immunocompromised, with high risk of progression to severe disease
<b>bamlanivimab and etesevimab<sup>1</sup></b> (Eli Lilly) <sup>***</sup>	Dose: 700 mg bamlanivimab and 1400 mg etesevimab <sup>***</sup> Route: Intravenous administration Post-administration monitoring: 60 minutes	N/A
<b>casirivimab and imdevimab<sup>2</sup></b> (REGEN-COV)	Dose: casirivimab 600mg and imdevimab 600mg Route: Intravenous is preferred route, however subcutaneous injection may be utilized in situations where there would be a delay in intravenous administration Post-administration monitoring: 60 minutes	Dose: casirivimab 600mg and imdevimab 600mg Route: Intravenous or subcutaneous Post-administration monitoring: 60 minutes
<b>Sotrovimab<sup>3</sup></b> (Glaxo Smith Kline)	Dose: sotrovimab 500mg Route: Intravenous Post-administration monitoring: 60 minutes	N/A

<sup>\*\*\*</sup> Based on the most currently available data, [bamlanivimab and etesevimab are now authorized](https://www.fda.gov/media/151719/download) in all U.S. states, territories, and jurisdictions (9/2/21) [https://www.fda.gov/media/151719/download]

Refer to product Emergency Use Authorizations for detail on indications and administration

<sup>1</sup> [Fact Sheet for Health Care Providers Emergency Use Authorization of Bamlanivimab and Etesevimab](https://www.fda.gov/media/145802/download) (https://www.fda.gov/media/145802/download)

<sup>2</sup> [Fact Sheet for Health Care Providers Emergency Use Authorization of REGEN-COV™ \(casirivimab and imdevimab\)](https://www.fda.gov/media/145611/download) (https://www.fda.gov/media/145611/download)

<sup>3</sup> [Fact Sheet for Health Care Providers Emergency Use Authorization of Sotrovimab](https://www.fda.gov/media/149534/download) (https://www.fda.gov/media/149534/download)

# Appendix

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## Maryland's Official Health Insurance Marketplace: Open Enrollment Information

# What's New with Maryland Health Connection

November 2021



# Maryland's Official Health Insurance Marketplace

**Open Enrollment**  
**November 1, 2021**

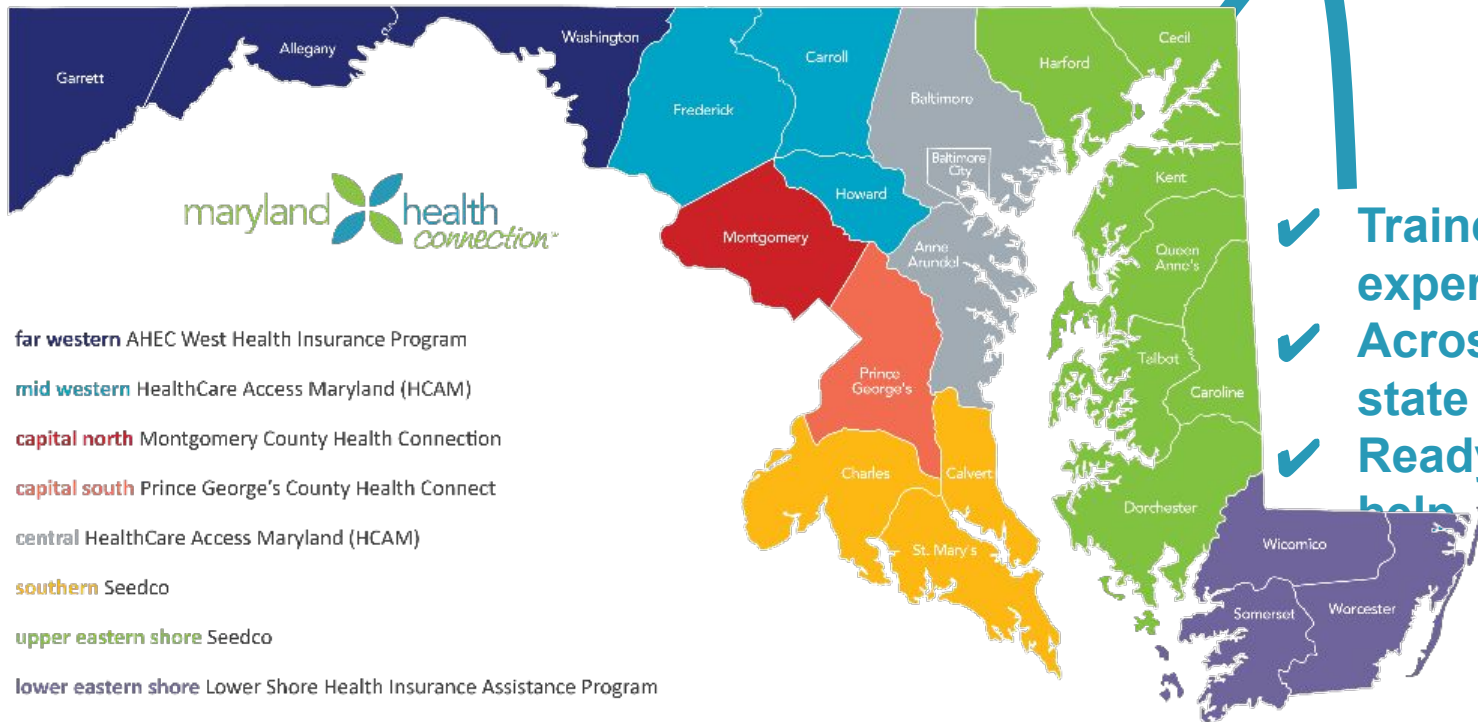
—  
**January 15, 2022,**  
to be covered for  
2022



[www.MarylandHealthConnection.gov](http://www.MarylandHealthConnection.gov)  
[www.MarylandHealthConnection.gov/es](http://www.MarylandHealthConnection.gov/es)

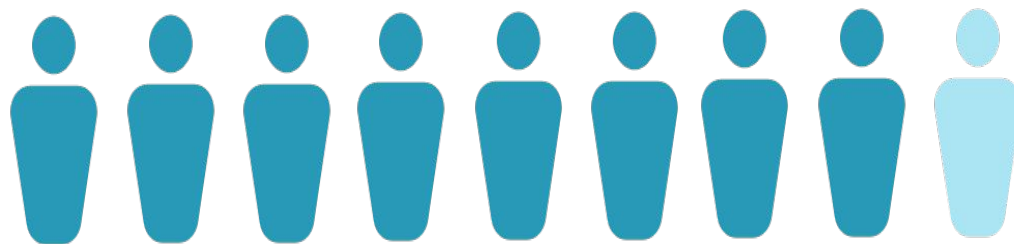


# Where to Find Help



# The Only Place to Get Financial Help

Maryland Health Connection is the only place Marylanders can get financial help to pay for their health plan. In fact, **9 out of 10 who enroll get savings.**



# More Savings for More Marylanders

Did you know the **American Rescue Plan** includes big savings for health insurance?

- For the **uninsured**, it's worth checking out the 2022 health plan options – there are now new, bigger savings.
- If someone **didn't qualify for savings before** they should take another look because, for the first time, there are savings available for Marylanders with higher incomes.

Did you know Maryland has **new discounts for young adults** ages 19-34? They're new for 2022 health plans!





# TheSocialPressKit.com/MarylandConnect

Visit our **Social Press Kit** for ready-to-post graphics to share on your social media channels, messaging to share with your community, and more.

Variety of messages and languages

**CAMPAIGN**  
**Enrollment for Health Coverage**

**DESCRIPTION**  
Use this toolkit to promote enrollment. Click to share messages quickly on social media, or download and adapt as you see fit. Don't forget to follow us @MarylandConnect and tag us in your posts!

**HASHTAGS**  
#GetCoveredMD

Open Enrollment Period - English    Coronavirus Special Enrollment Period - English and Spanish

COVID-19 Public Health Resources - English and Spanish    Other Special Enrollment Period - English and Spanish

**FACEBOOK POSTS**

**Coronavirus PSA - English**  
In response to the coronavirus emergency, Marylanders can now enroll in quality, affordable health plans through @MarylandConnect. Don't wait! Learn more at MarylandHealthConnection.gov/coronavirus-sep/ #GetCoveredMD

**Coronavirus SEP 1**  
In response to the coronavirus emergency, Marylanders can now enroll in quality, affordable health plans through @MarylandConnect. Don't wait! Learn more at MarylandHealthConnection.gov/coronavirus-sep/ #GetCoveredMD

**Coronavirus SEP 2**  
A special enrollment is available NOW! In response to the coronavirus emergency, you can sign up for health coverage through @MarylandConnect, the state's official health insurance marketplace. Visit MarylandHealthConnection.gov, the "Enroll MHC" mobile app, or call 1-800-642-8572

Easy to post videos and graphics Already written text (you can adapt)

Enrollment ends  
**January 15.**

#GetCoveredMD



@MarylandConnec  
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# Appendix

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## Resources and Links

# General Vaccine Resources

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- ❖ [CDC Covid-19 Vaccination Communication Toolkit](#) - ready made materials, how to build vaccine confidence, social media messages
- ❖ [New York Times Vaccine Tracker](#) - information on every Covid vaccine in development
- ❖ [New York Times Vaccine Distribution Tracker](#) – information on the distribution of Covid vaccines in the United States
- ❖ [MDH Covidlink Vaccine Page](#) - information on vaccine priority groups in Maryland
- ❖ [CDC Vaccine Storage and Handling Toolkit](#)
- ❖ [Project ECHO Webinar](#) - webinar on vaccines and Long Term Care Facilities, relevant for primary care
- ❖ CDC [Moderna vaccine storage](#)

# Covid-19 mAb Treatment Criteria



## Patient Criteria

- Use clinical judgment
- Have BMI  $\geq$  35
- Have chronic kidney disease
- Have diabetes
- Are currently receiving immunosuppressive treatment
- Are  $\geq$  65 years old
- Are  $\geq$ 55 years old and have
  - ✓ Cardiovascular disease, or
  - ✓ Hypertension, or
  - ✓ Chronic obstructive pulmonary disease/other chronic respiratory disease
- Are 12 – 17 years old AND have
  - ✓ BMI  $\geq$ 85<sup>th</sup> percentile for their age and gender based on CDC growth charts, or
  - ✓ Sickle cell disease, or
  - ✓ Congenital or acquired heart disease, or
  - ✓ Neurodevelopmental disorders, or
  - ✓ A medical-related technological dependence, or
  - ✓ Asthma

# Scheduling In-Office Appointments

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- ❖ Patient calls in for an appointment
  - Reception screens patient on the phone using the [pre-visit screening template](#)
  - Schedule in-office visits for different groups: At-risk and vulnerable patients on certain days, healthier patients on other days
  - Schedule telehealth and non-office-based care for other patients including follow-ups and patients uncomfortable with office visits
  
- ❖ Check In
  - Practice remote check in and limited front-desk contact
  - Consider using a triage zone outside of office or main area;
  - Or use a barrier at the front desk
  - Design your office to accommodate patients who come in specifically for Covid testing and triage, separate from patients who arrive for non-Covid related and elective procedures
  - ✓ Ensure patients and staff do not cross between Covid and non-Covid areas
  - ✓ Set aside a specific area for patients who come in for testing to wait and be triaged

# Scheduling In-Office Appointments

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- ❖ Checking out
  - Practice remote check out, limit front desk exposure;
  - Or use a barrier at the front desk
  
- ❖ If patient is paying co-pays, etc., set up credit card reader outside of the barrier
  
- ❖ Other workflow resources
  - [Care management workflows](#)
  - [BMJ telemedicine workflow graphics](#)
  - [CDC flowchart to identify and assess 2019 novel Coronavirus](#)
  - [CDC telephone evaluation flow chart for flu](#)
  - [CDC guidance for potential Covid-19 exposure associated with international or domestic travel](#)

# CDC Guidelines for Covid Patient Management

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- ❖ Healthy people can be monitored, self-isolated at home
- ❖ People at higher risk should contact healthcare providers early, even if illness is mild
- ❖ Older adults and people with severe underlying chronic medical conditions are at higher risk, need closer contact
- ❖ Emergency Department and hospitals only when needed - not for screening or low risk/minimal disease
- ❖ **Guidelines are important and powerful tools, but remember providers' clinical experience and judgment are key to care**



# Personal Protective Equipment (PPE) Sources and Requests

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- ❖ Practices should initially request PPE through their usual vendors
- ❖ Practices should make their PPE requests through their local health departments
- ❖ Maryland PPE Manufacturers List – next slide
- ❖ [National and international PPE supplier list](#)
- ❖ [PPE request form](#)

# Personal Protective Equipment (PPE) Sources and Requests

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- ❖ Increasing Maryland's supply of PPE – one of the 4 building blocks on the Road to Recovery
- ❖ Maryland has launched the [Maryland Manufacturing Network Supplier Portal](#), an online platform that helps connect Maryland suppliers with buyers in need of critical resources
- ❖ For additional business resources during Covid-19, visit [businessexpress.maryland.gov/coronavirus](https://businessexpress.maryland.gov/coronavirus)
- ❖ Providers may also request PPE from the non-profit ['Get Us PPE'](#)

# Provider/Patient Mental Health Resources

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## ❖ Providers

- “Helping the Helpers and Those They Serve,” a [webinar series](#) from the Maryland Department of Health Behavioral Health Administration and MedChi
- [Heroes Health Initiative](#)

## ❖ Patients

- [Ask Suicide-Screening Questions toolkit](#)
- CDC [list of resources](#) for coping with stress

# Health Equity Resources

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- ❖ [Maryland Department of Health Office of Minority Health and Health Disparities](#) (MHHD)
- ❖ Maryland Department of Health Minority Outreach and Technical Assistance Program [overview](#)
- ❖ MHHD fiscal year 2020 minority outreach and technical assistance [program information](#)
- ❖ [Description](#) of the term “health disparity”
- ❖ [Implicit bias test](#)
- ❖ “Hundreds of Days of Action as a Start to Address Hundreds of Years of Inequality” – New England Journal of Medicine [article](#) by Maulik Joshi, DrPH
- ❖ “Discussion Draft of the Preliminary Framework for Equitable Allocation of COVID-19 Vaccine” – [discussion draft](#) for public comment by Committee on Equitable Allocation of Vaccine for the Novel Coronavirus, The National Academies of Science, Engineering, Medicine

# Telehealth Resources

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- ❖ [Maryland Health Care Commission Telehealth](#)
- ❖ [Maryland Health Care Commission Telehealth Readiness Assessment Tool](#)
- ❖ [U.S. Department of Health and Human Services Health Insurance Portability and Accountability Act \(HIPAA\) for Professionals](#)
- ❖ [American Telehealth Association](#)
- ❖ [Maryland Telehealth Alliance](#)
- ❖ [National Consortium of Telehealth Resource Centers](#)

# Support for Patients at Home

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- ❖ Food
  - Meals on Wheels
- ❖ Caregivers
  - Visiting nurses and caregivers
- ❖ Emotional support
  - Support from family
  - Phone calls and videochat to fight loneliness
  - MD Department of Aging [Senior Call Check Program](#)

# Food Resources

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- ❖ Nutrition: Inform patients that children can receive three free meals/day at sites listed on:
  - [Maryland Summer Meals](#)     [Howard County](#)
  - [Montgomery County](#)     [Anne Arundel County](#)
  - [Prince Georges County](#)     [St. Mary's County](#)
  - [Charles County](#)     [Harford County](#)
  - [Frederick County](#)     [Calvert County](#)
  
- ❖ Free meals available from 42 rec centers in Baltimore
  - Call 311 for locations and to schedule pickup time

# Resources for Specific Groups

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- ❖ Community- and Faith-Based Organizations  
(<https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-community-faith-organizations.html>)
- ❖ Mass Gatherings and Large Community Events  
(<https://www.cdc.gov/coronavirus/2019-ncov/community/mass-gatherings-ready-for-covid-19.html>)
- ❖ Non-Pharmaceutical Interventions for Specific Groups  
(<https://www.cdc.gov/nonpharmaceutical-interventions/index.html>)



# Resources and References

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- ❖ Maryland Department of Health Coronavirus Website (<https://coronavirus.maryland.gov>)
- ❖ CDC Coronavirus Website (<https://www.cdc.gov/coronavirus/2019-nCoV/index.html>)
- ❖ CDC National data on Covid-19 infection and mortality (<https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/cases-in-us.html>)
- ❖ CDC Interim Guidance for Homes and Communities (<https://www.cdc.gov/coronavirus/2019-ncov/hcp/guidance-prevent-spread.html>)
- ❖ CDC Interim Guidance for Businesses (<https://www.cdc.gov/coronavirus/2019-ncov/specific-groups/guidance-business-response.html>)
- ❖ CDC Interim Guidance for Childcare and Schools (<https://www.cdc.gov/coronavirus/2019-ncov/specific-groups/guidance-for-schools.html>)
- ❖ CDC Travel Website (<https://wwwnc.cdc.gov/travel/>)

# Articles

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- ❖ [“Effectiveness of Mask Wearing to Control Community Spread of SARS-CoV-2”](#)
- ❖ [“COVID-19 Vaccines vs Variants—Determining How Much Immunity Is Enough”](#)
- ❖ [“SARS-CoV-2–Specific Antibodies in Breast Milk After COVID-19 Vaccination of Breastfeeding Women”](#)
- ❖ [“Maternal and Neonatal Morbidity and Mortality Among Pregnant Women With and Without COVID-19 Infection: The INTERCOVID Multinational Cohort Study”](#)
- ❖ [“Assessment of SARS-CoV-2 Reinfection 1 Year After Primary Infection in a Population in Lombardy, Italy”](#)
- ❖ [“Sequelae in Adults at 6 Months After COVID-19 Infection”](#)
- ❖ [“How COVID-19 Affects the Brain”](#)