

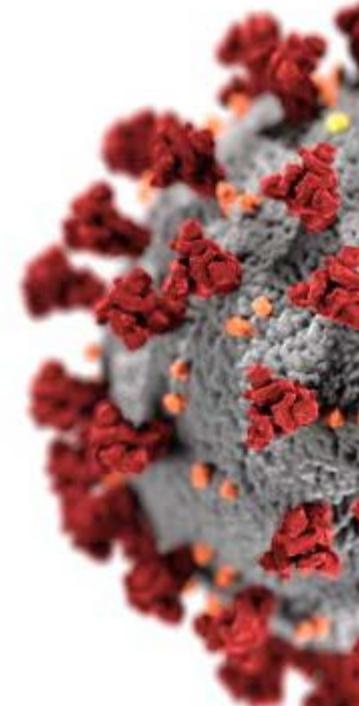
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# **NOVEL CORONAVIRUS (COVID-19)**

## **In Frederick County, MD**

**Barbara Brookmyer, MD, MPH**  
**Frederick County Health Officer**  
**September 14, 2021**



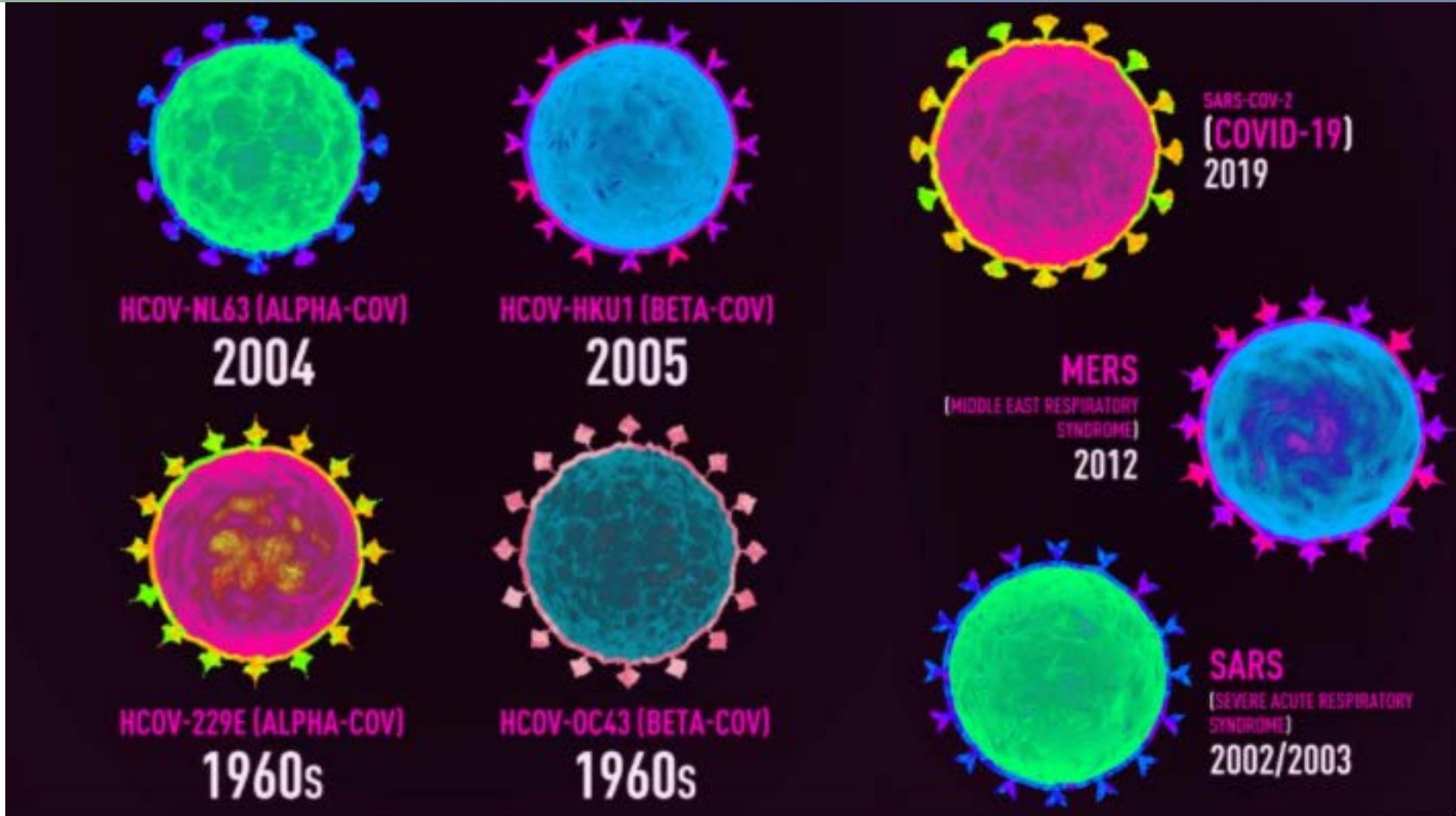
# Where we have been?



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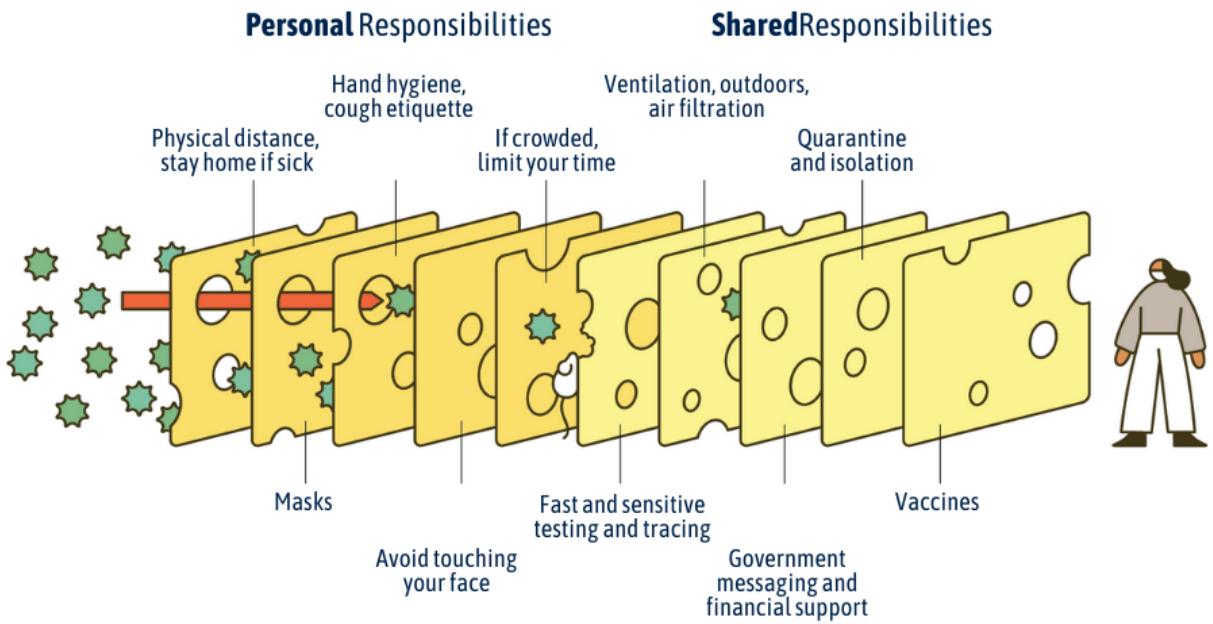
# Existing Coronaviruses



# Early Response

- No vaccine available
- Only physical options to slow spread:
  - *Distancing*
  - *Hand hygiene*
  - *Masks*
  - *Isolation/Quarantine*

## Multiple Layers Improve Success



Source: Adapted from Ian M. Mackay ([virologydownunder.com](http://virologydownunder.com)) and James T. Reason. Illustration by Rose Wong



# Current Status of COVID-19 in Frederick County



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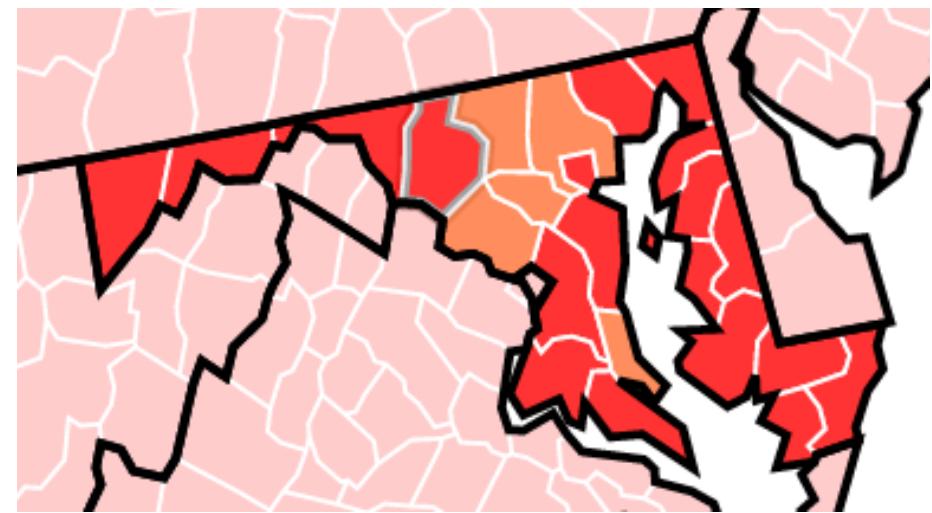
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# Community Level of Transmission



**Level of Community Transmission  
in Frederick County, MD: HIGH**

According to CDC, masks are recommended for everyone (including fully vaccinated people) in areas of substantial or high community transmission.

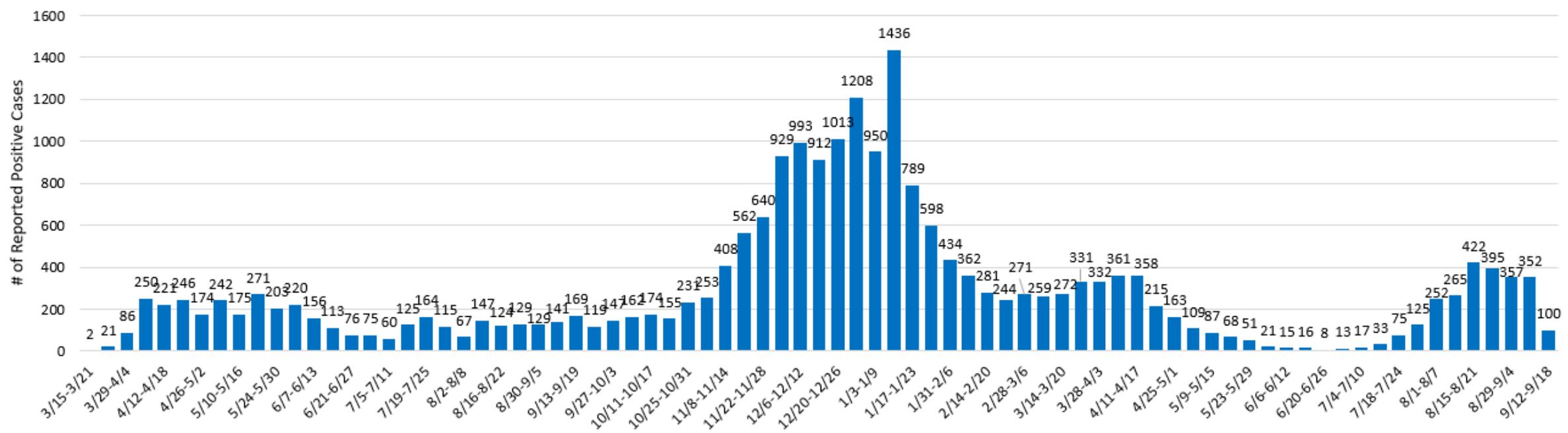


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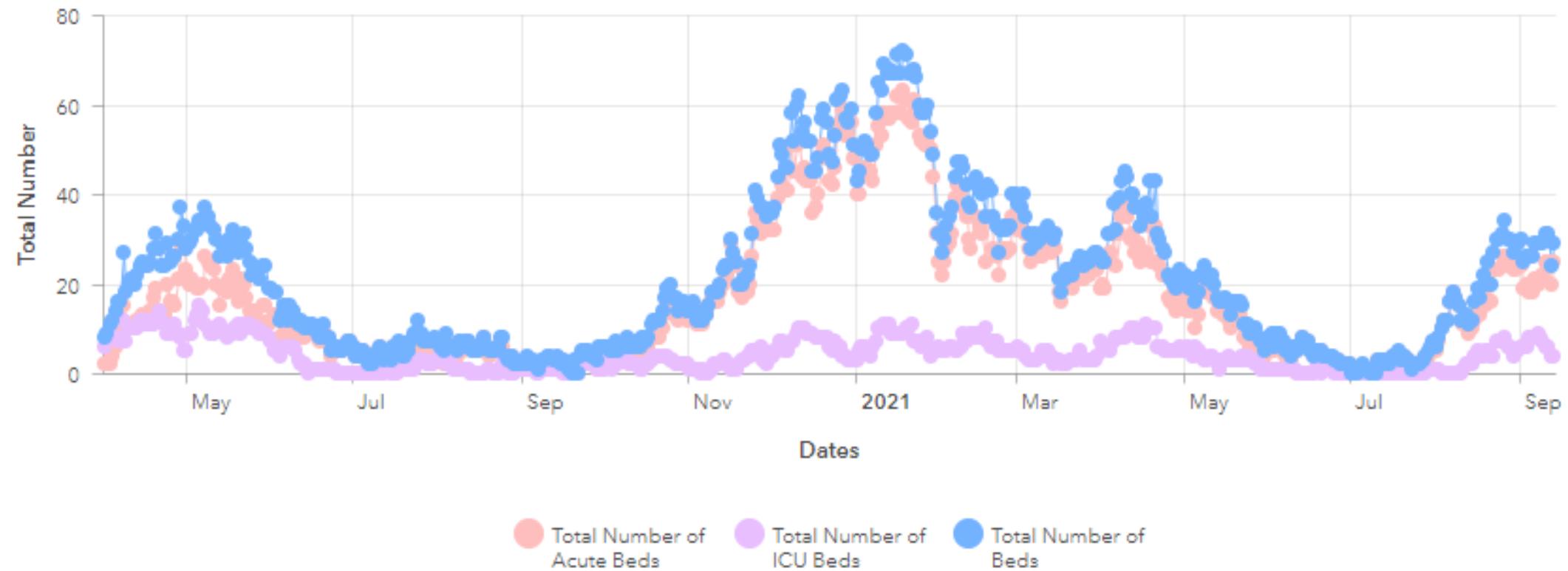
# Frederick County MD COVID-19 Cases by Week

Frederick County, MD COVID-19 Cases by Week  
(Date Received)

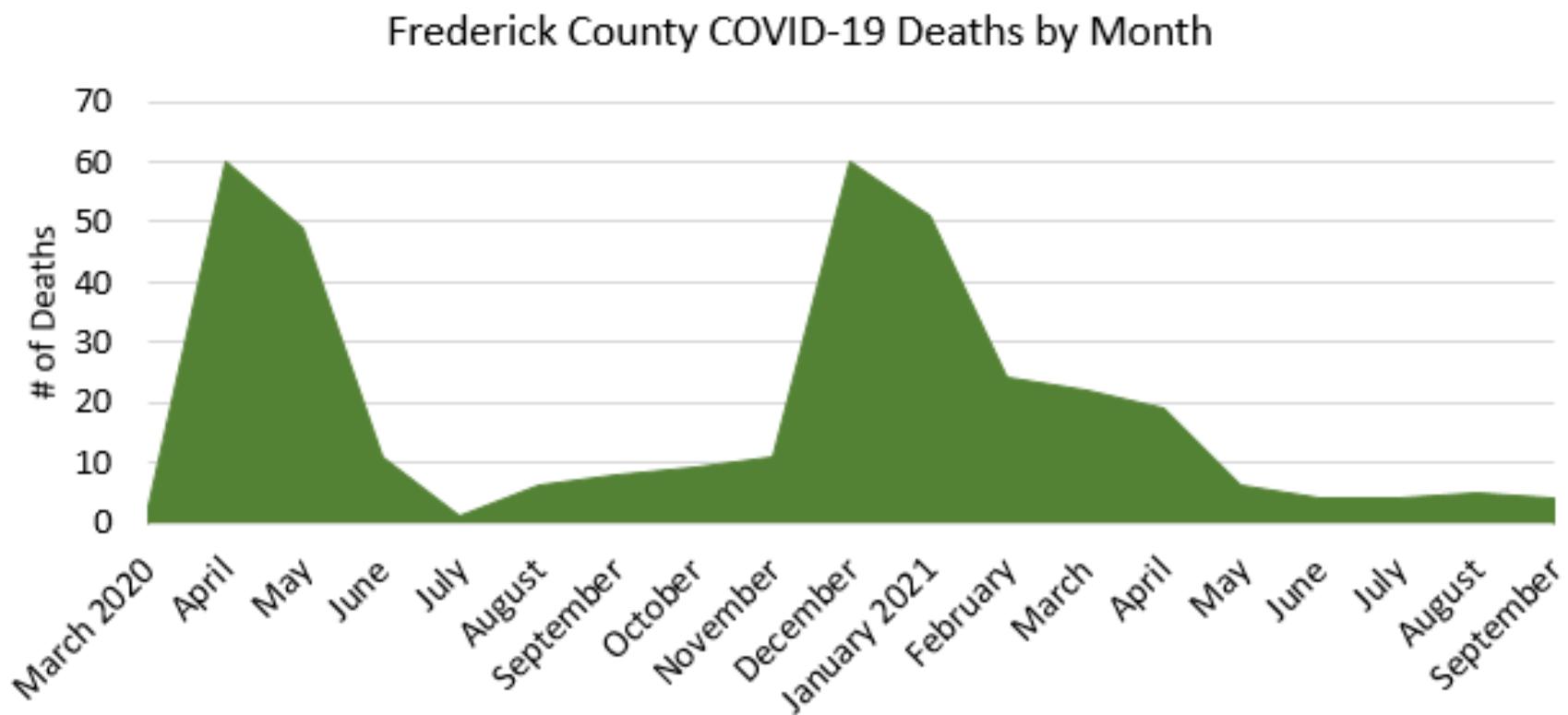


# Hospitalizations

Frederick County Covid-19 Hospitalizations



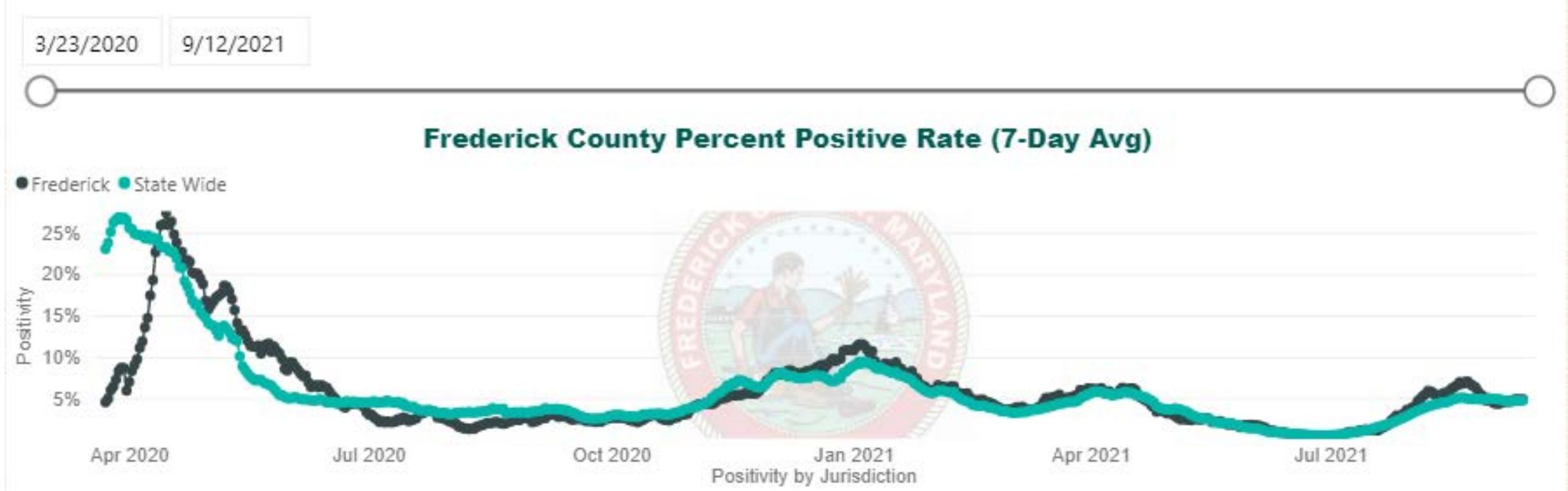
# Frederick County MD COVID-19 Deaths by Month



2021	# Deaths
June	4
July	4
August	5
September	4
September (month to date)	



# Frederick County Positivity Rate (7 day average)



# Vaccinations in Frederick County

Vaccinations in Frederick County

**Fully Vaccinated**  
**160,735**

**% of Population Vaccinated**  
**61.9%**  
Fully Vaccinated

**1st Dose Given**  
**154,988**

**2nd Dose Given**  
**143,898**

**Single Dose Given**  
**16,837**

**% of Population Vaccinated**  
**59.7%**  
1st Dose

**% of Population Vaccinated**  
**55.4%**  
2nd Dose

**% of Population Vaccinated**  
**6.5%**  
Single Dose

**% of Population**  
**12-17 Years of Age**

**57.7%**

**% of Population**  
**12+ Years of Age**

**75.7%**

**% of Population**  
**18+ Years of Age**

**77.2%**

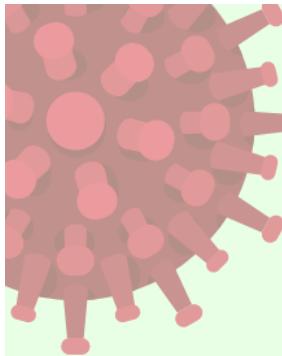
**% of Population**  
**65+ Years of Age**

**91.2%**



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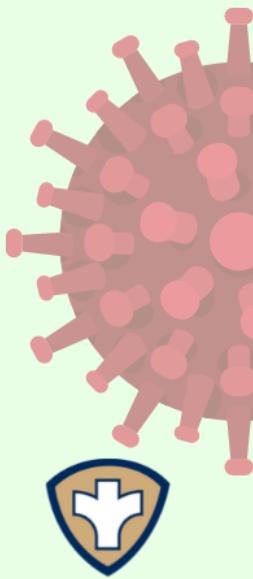
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# COVID-19 in Frederick County in August 2021

- 67% of all cases were in unvaccinated people
- 29% of all cases were in fully vaccinated people
- 4% of cases were in partially vaccinated people

But...  
perspective is important so  
let's look at **DENOMINATORS!**

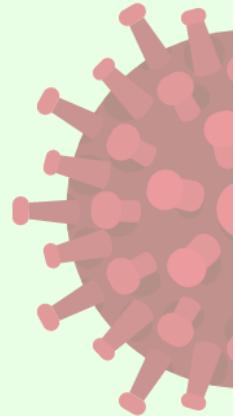


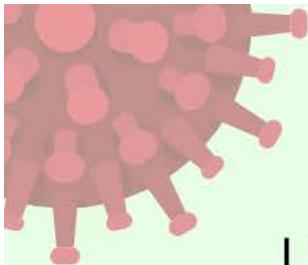
# In Frederick County in August 2021 there were:

- **89,474** people unvaccinated (or 34%)
  - 996 of this group (1.1% ) tested positive for COVID
- **158,308** people fully vaccinated (or 61%)
  - 438 of this group (0.28%) tested positive for COVID

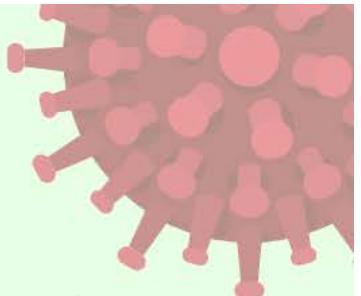


Unvaccinated individuals tested positive  
**almost 4x more**  
than fully vaccinated people.



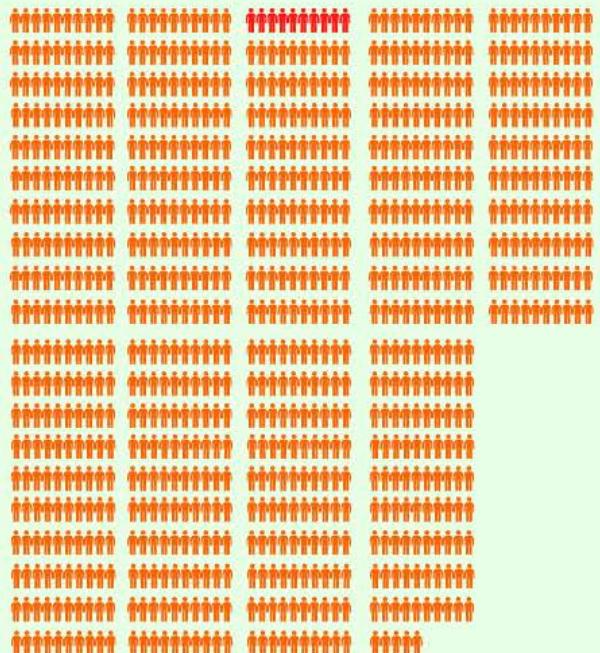


# Frederick County in August 2021



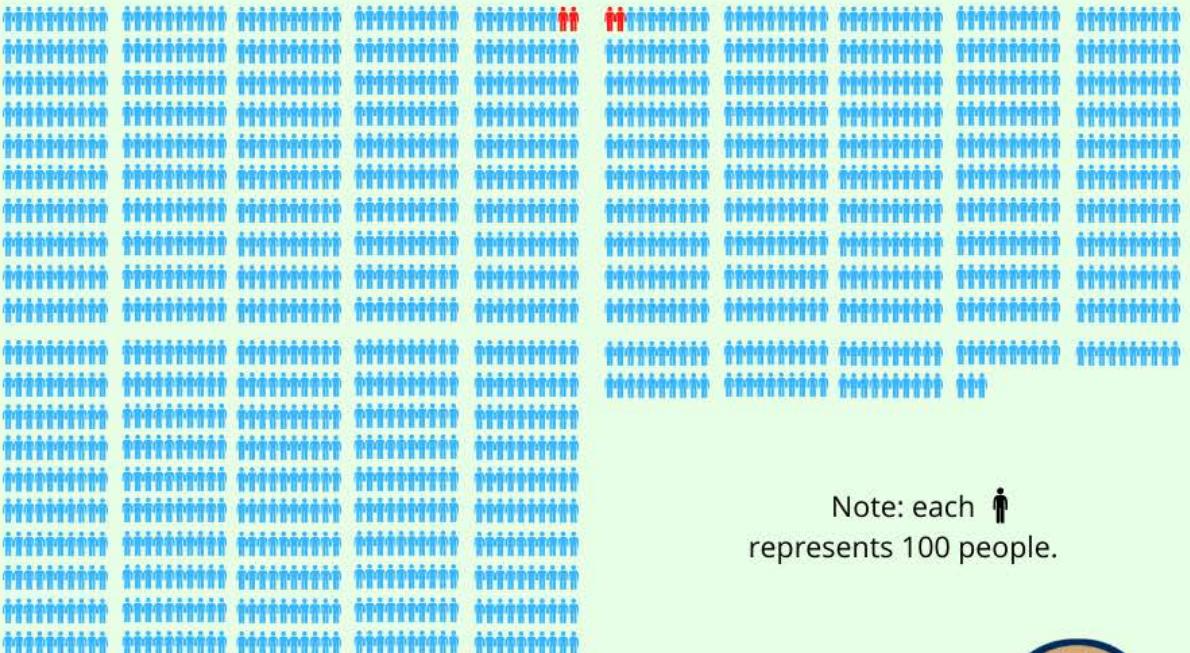
## Unvaccinated:

996 people got COVID out of 89,474 people



## Fully vaccinated:

438 people got COVID out of 158,308 people



Note: each represents 100 people.



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People who are unvaccinated are more  
likely to get COVID-19.

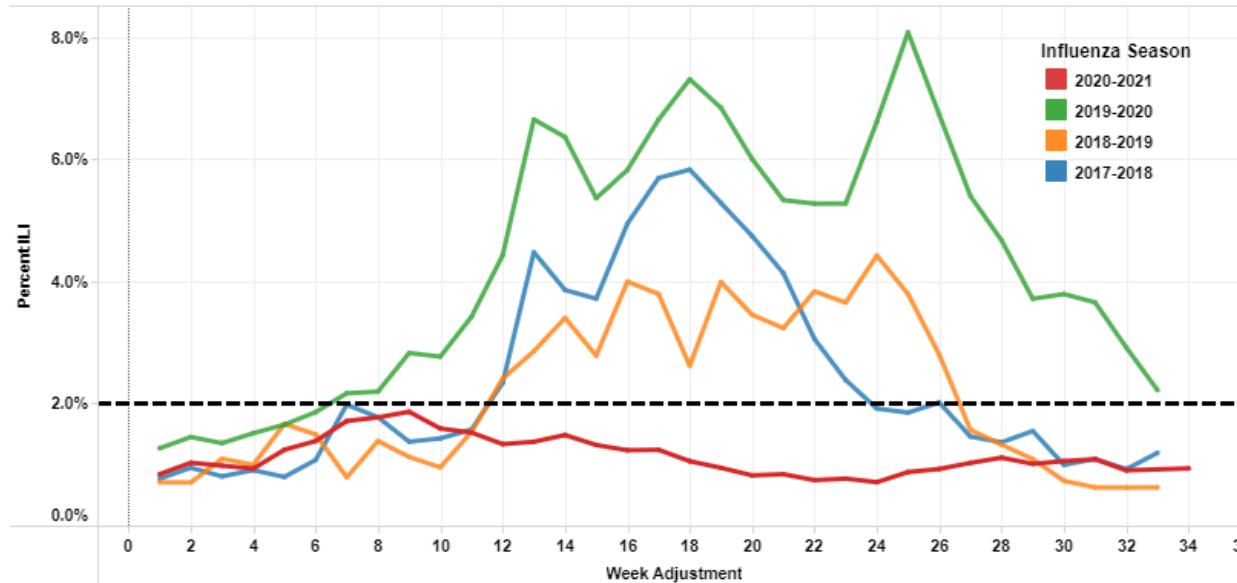


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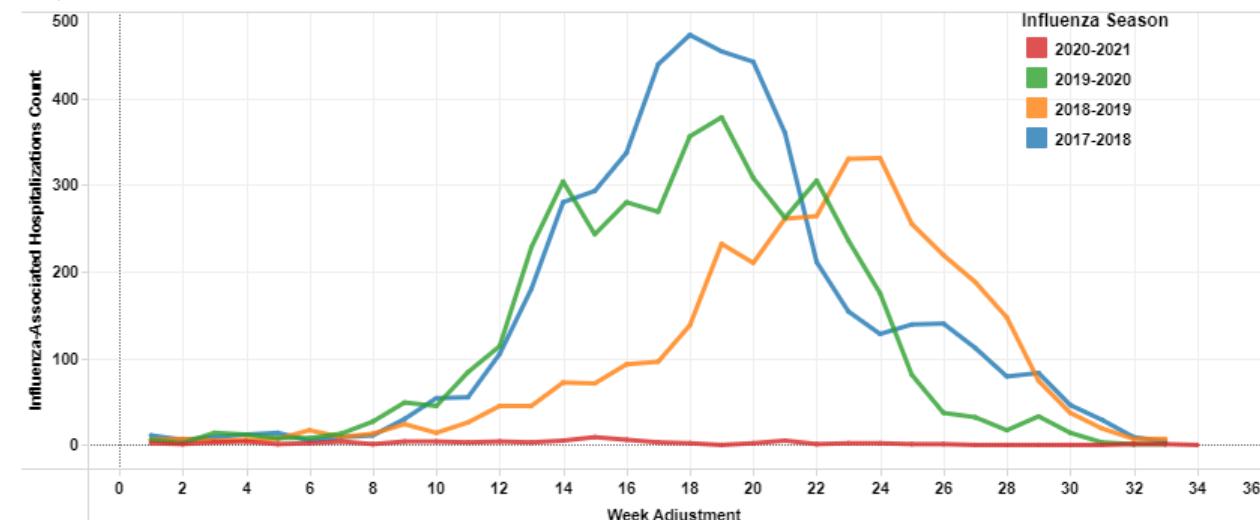
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# Influenza

## Visits to Sentinel Providers for ILI



## Influenza-associated Hospitalizations



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# What's in the Future?

- Booster doses
- Vaccine for children
- New variants
- COVID becoming endemic



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# COVID-19 3rd Dose vs. Booster

## 3rd dose

**WHEN:** Available now

**WHO:** Just for immunocompromised people who received Pfizer or Moderna

## Booster

**WHEN:** May be available end of September, 8 months after 2nd dose

**WHO:** For people who received Pfizer or Moderna



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[FrederickCountyMD.Gov/CovidVaccine](http://FrederickCountyMD.Gov/CovidVaccine)



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# Difference in Vaccination Responses

## Early 2021

- Very limited supply
- Few vaccinators/clinics
- Very urgent

## Fall/Winter 2021

- Abundant supply
- Vaccine available at many locations (pharmacies, doctors offices, etc.)
- Less urgency



We are no longer in an emergency response.  
Our future vaccinations will resemble our normal healthcare system.

# Vaccinations for Children

- Groups likely to be:
  - *5-11 years old*
  - *2-5 years old*
  - *6 months-2 years*
- Older groups likely sooner, possibly by late fall



# New Variants

- There will always be new variants coming!
- Mutations will continue to happen
- WHO and CDC are monitoring



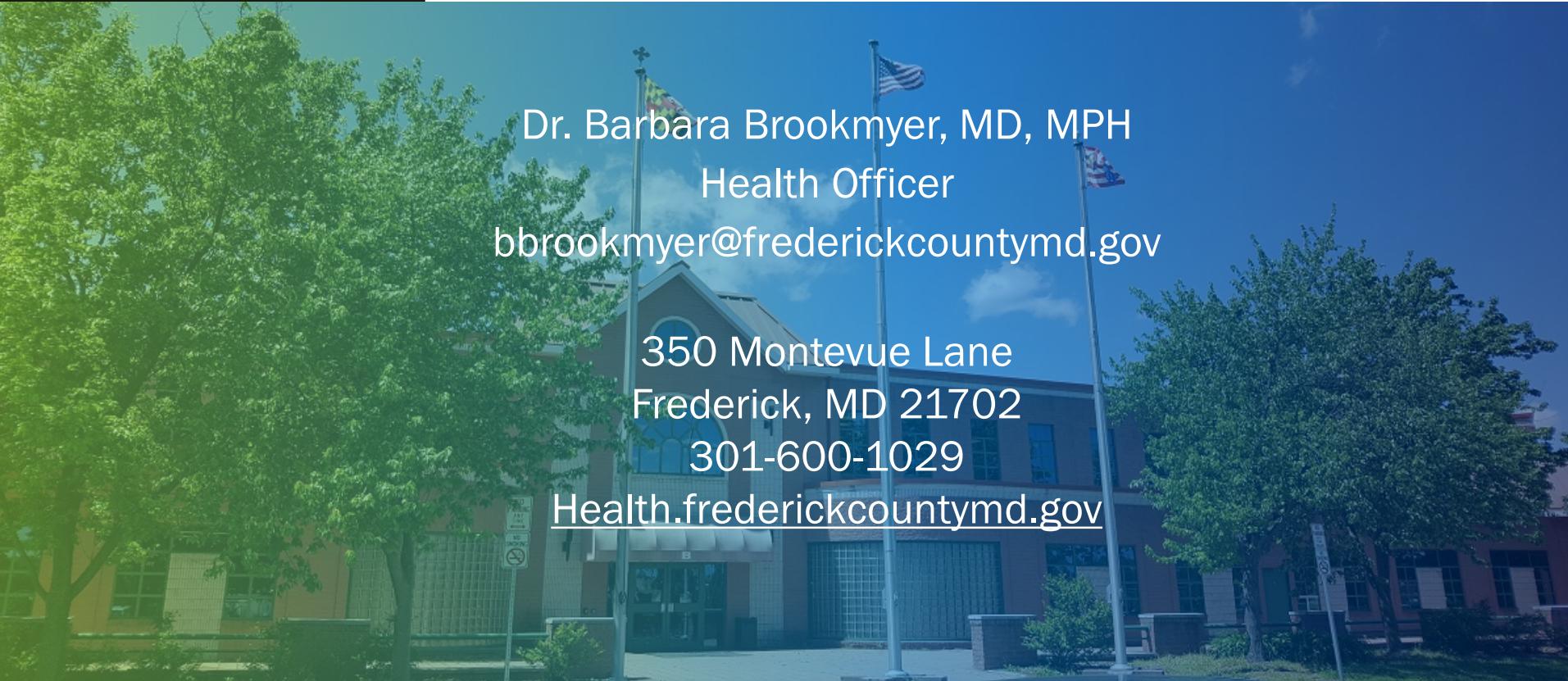
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# Endemic

- Definition: a disease or condition regularly found among a particular people or in a certain area
- COVID is likely here to stay and will become a normal part of our world





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