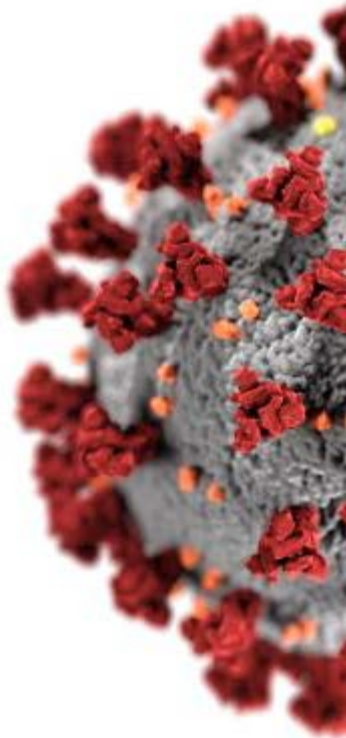


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NOVEL CORONAVIRUS (COVID-19) In Frederick County, MD

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



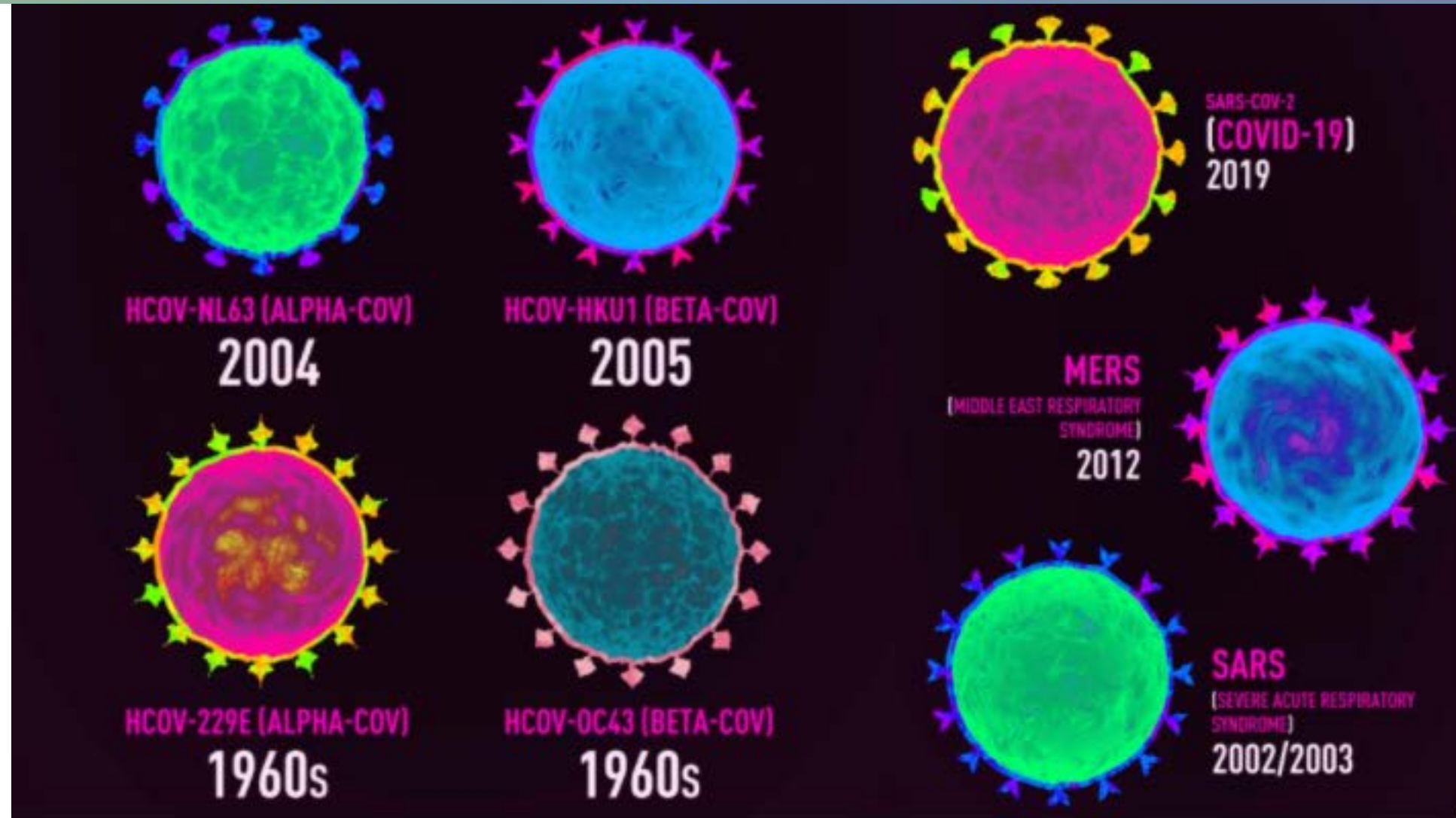
Where we have been?



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Existing Coronaviruses



SARS, MERS and SARS-CoV-2 are the most deadly and more likely to cause disease outbreak in humans, of the coronavirus family. /Ben Wildi/CGTN Europe



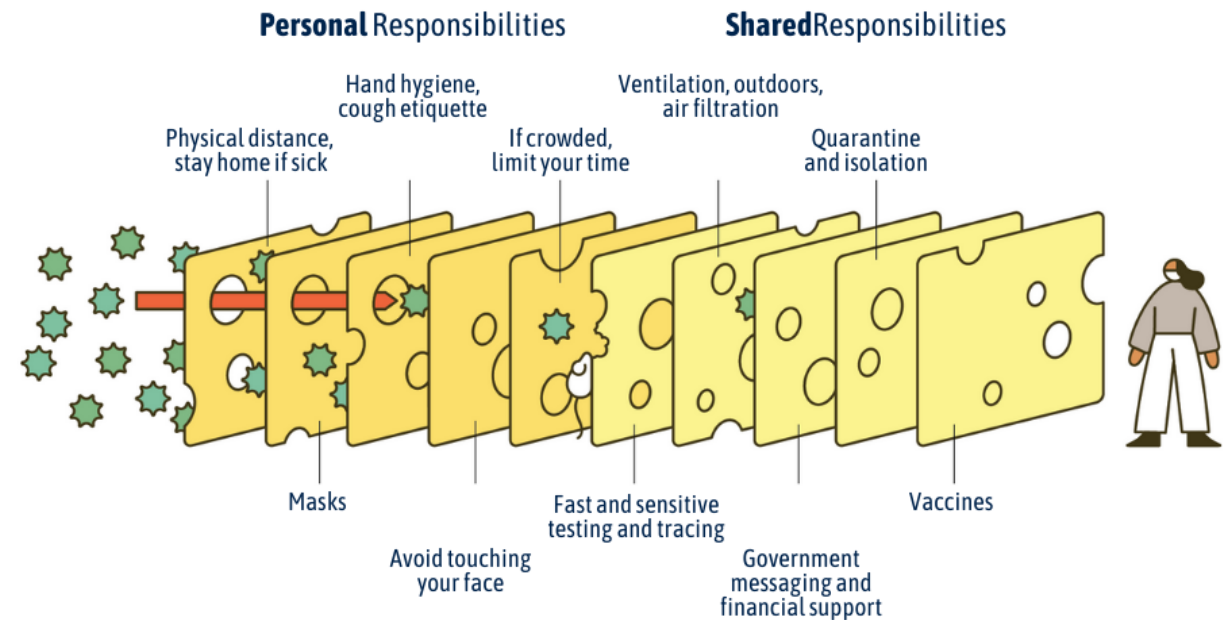
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Early Response

- 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) and James T. Reason. Illustration by Rose Wong



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Current Status of COVID-19 in Frederick County



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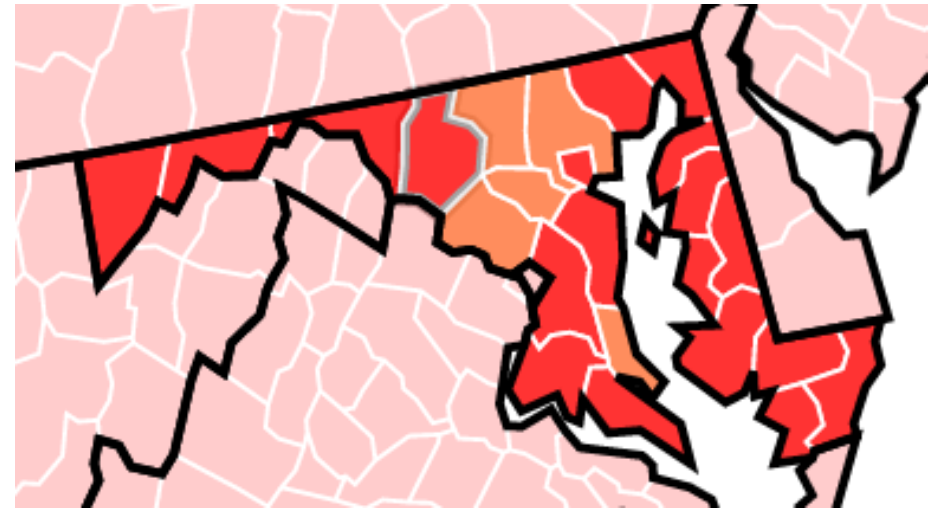
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Community Level of Transmission



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.

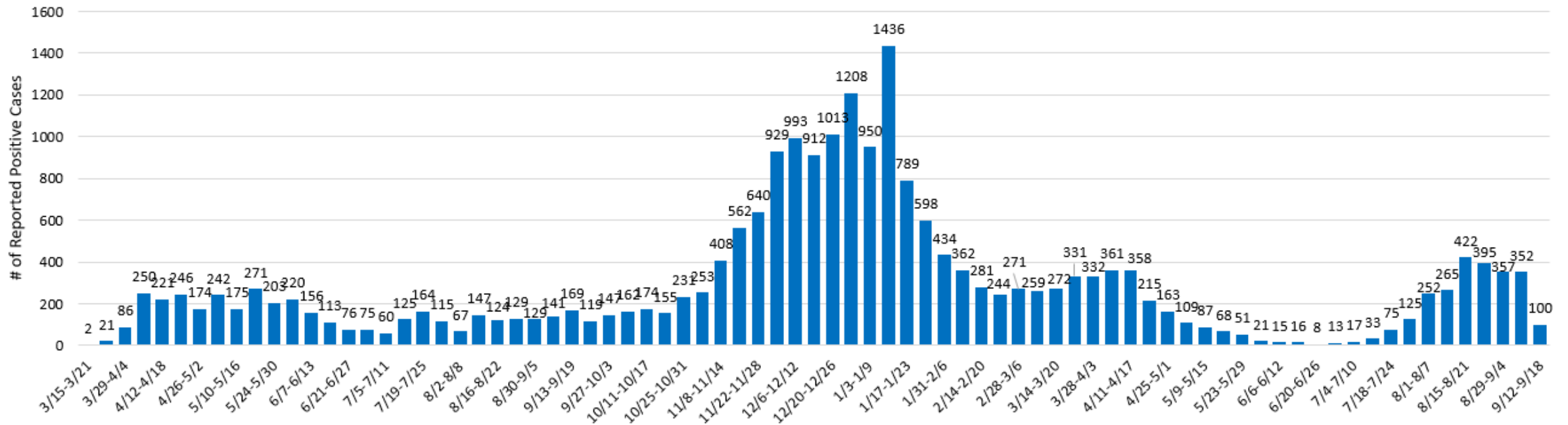


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Frederick County MD COVID-19 Cases by Week

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

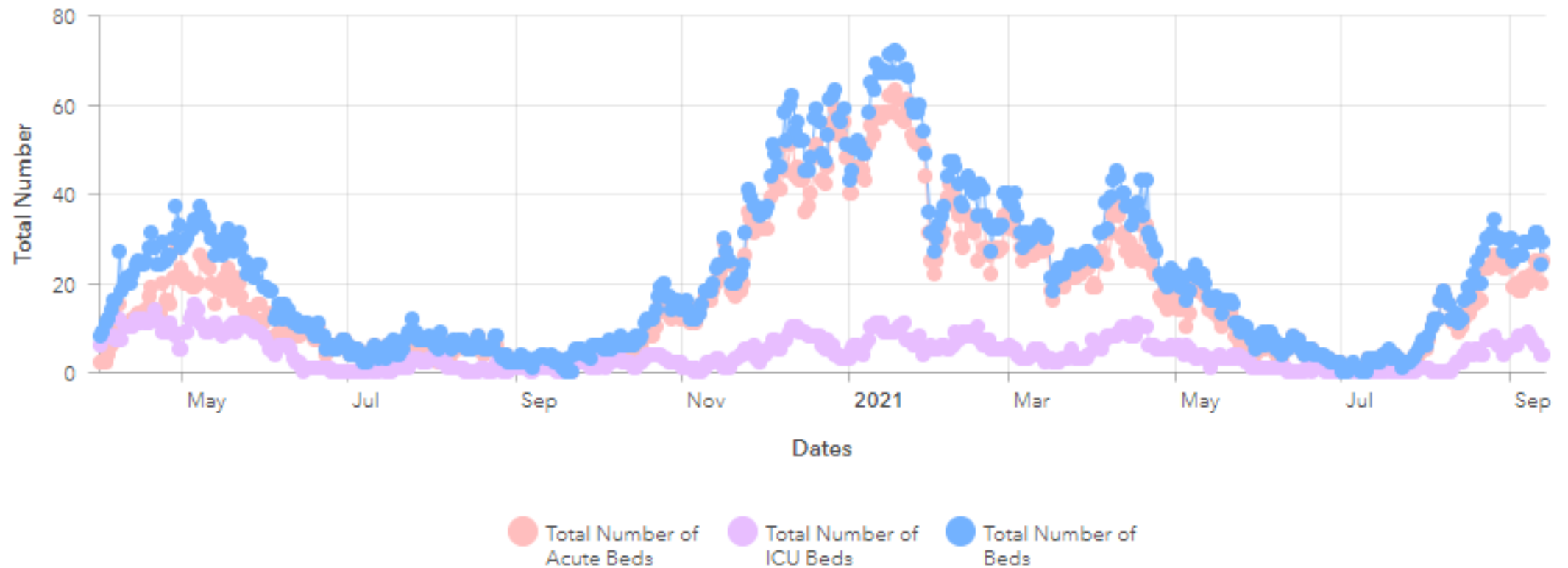


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Hospitalizations

Frederick County Covid-19 Hospitalizations

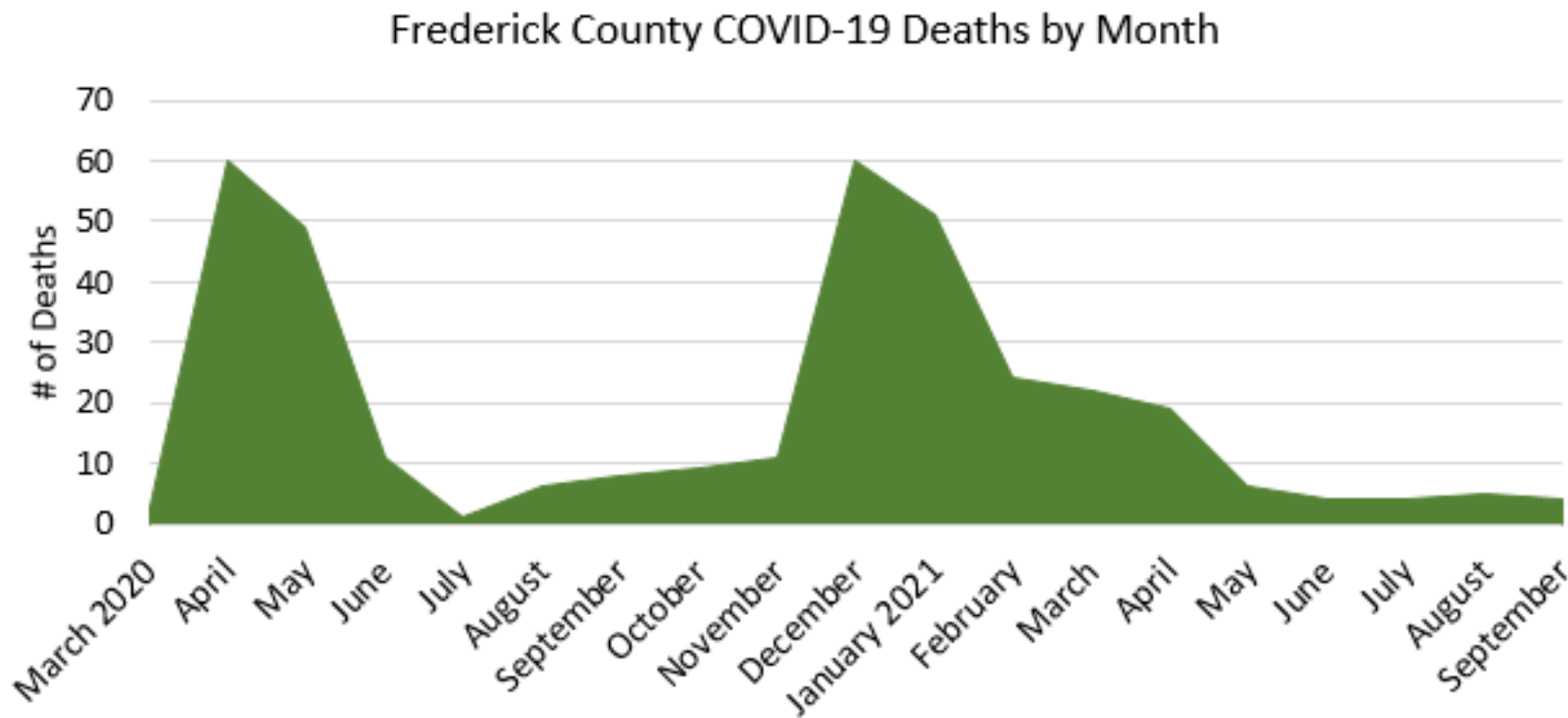


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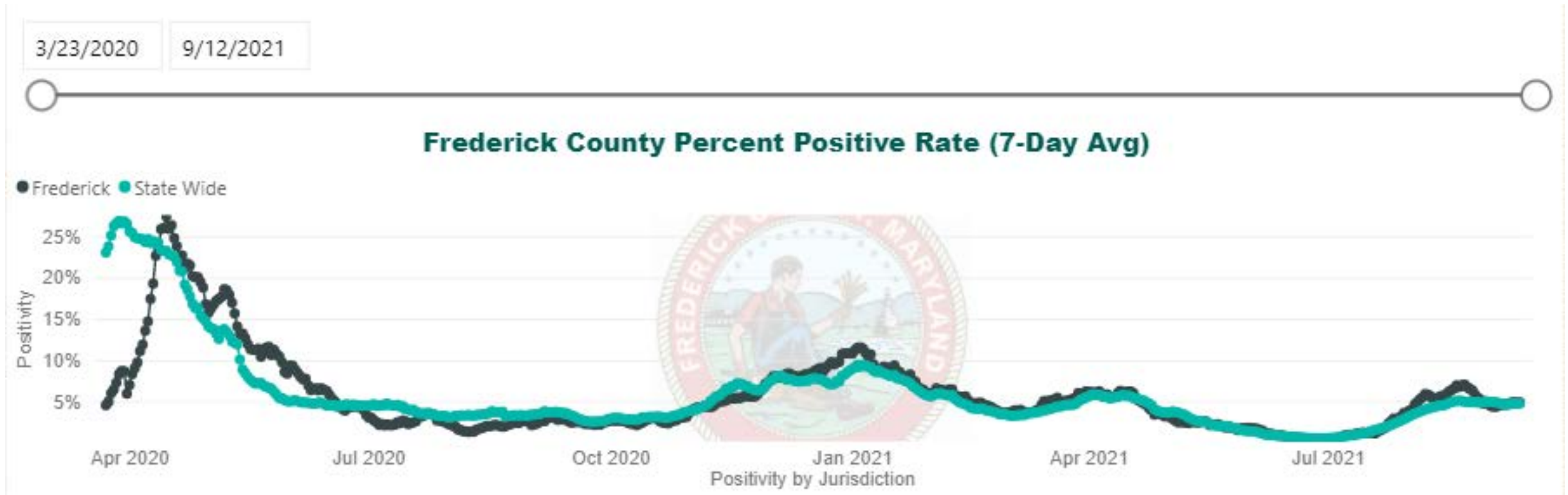
<https://www.frederickcountymd.gov/8094/COVID-19-in-Frederick-County>

Frederick County MD COVID-19 Deaths by Month



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

Frederick County Positivity Rate (7 day average)



Vaccinations in Frederick County

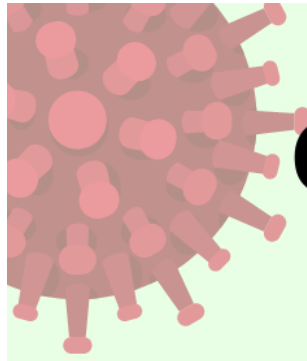
Vaccinations in Frederick County		
Fully Vaccinated 160,735		% of Population Vaccinated 61.9% Fully Vaccinated
1st Dose Given 154,988	2nd Dose Given 143,898	Single Dose Given 16,837
% of Population Vaccinated 59.7% 1st Dose	% of Population Vaccinated 55.4% 2nd Dose	% of Population Vaccinated 6.5% Single Dose

% of Population 12-17 Years of Age	% of Population 12+ Years of Age	% of Population 18+ Years of Age	% of Population 65+ Years of Age
57.7%	75.7%	77.2%	91.2%



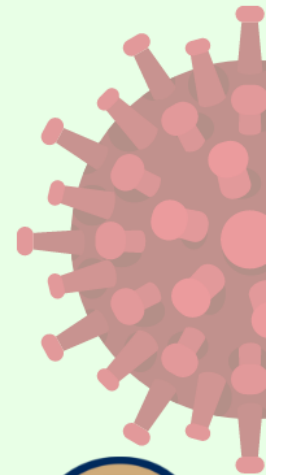
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COVID-19 in Frederick County in August 2021

- 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

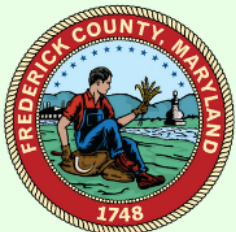


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But...

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



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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.



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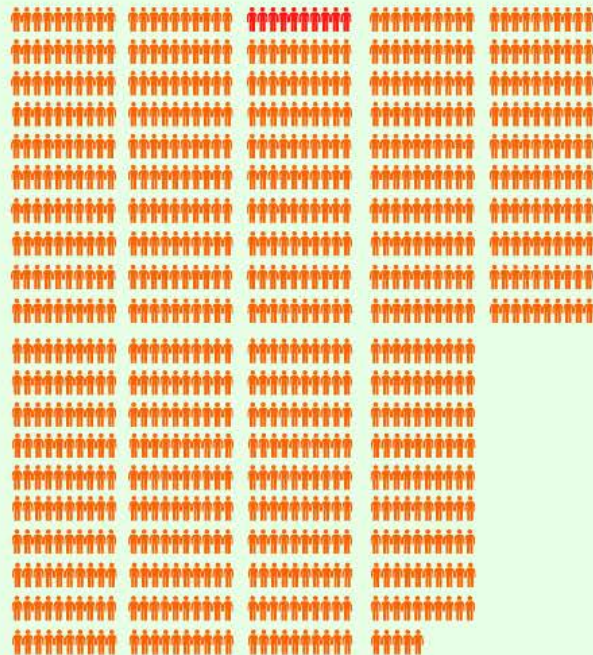
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Frederick County in August 2021

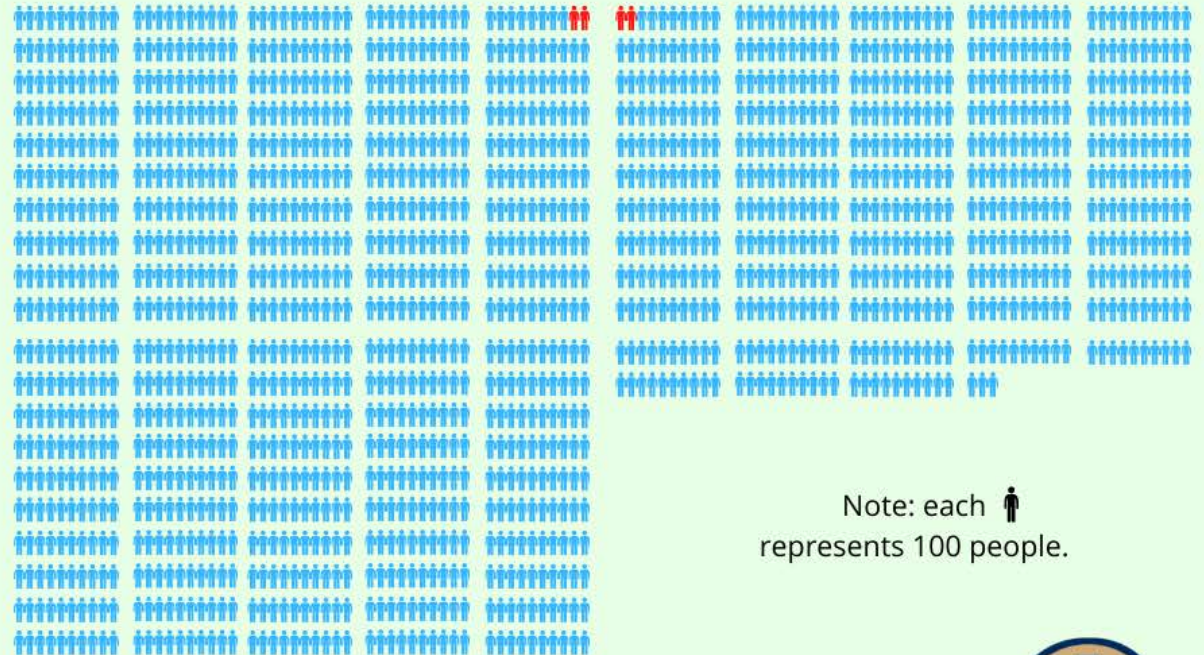
Unvaccinated:


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.

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



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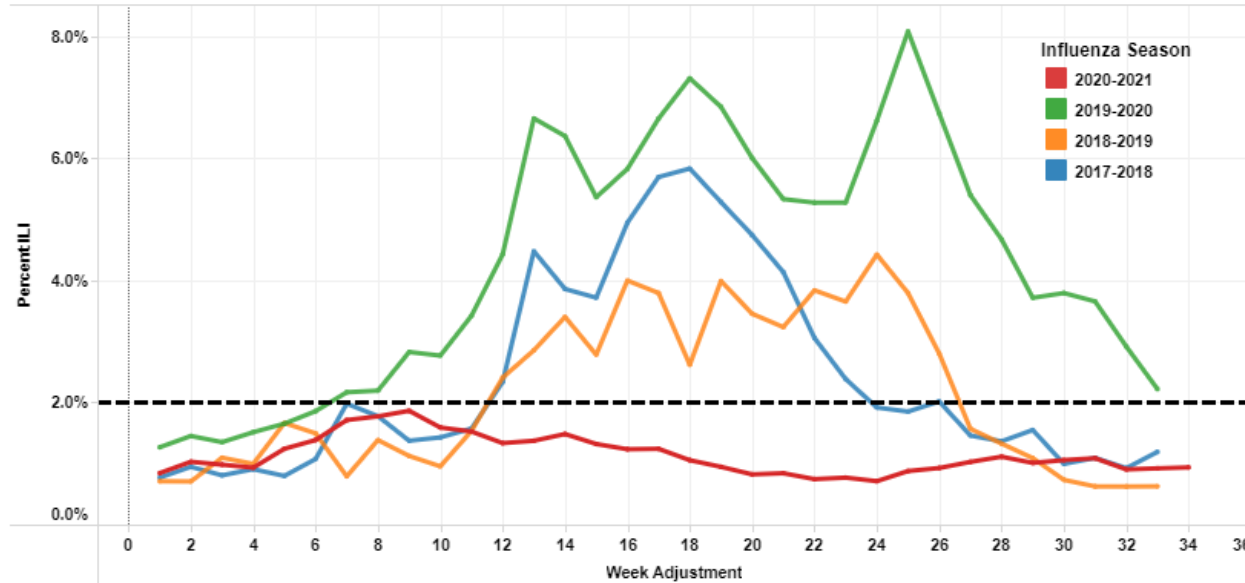


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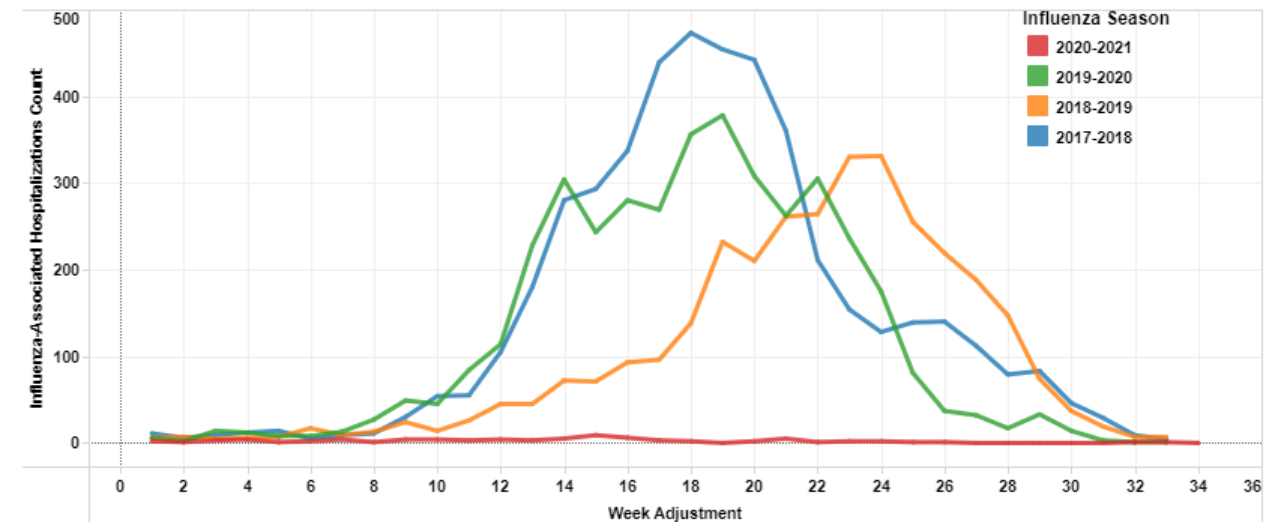
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Influenza

Visits to Sentinel Providers for ILI



Influenza-associated Hospitalizations



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



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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



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**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



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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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