

Welcome

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State Health Officer
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**PUBLIC HEALTH
DIVISION**

Thank You!!!



University
of Michigan



**PUBLIC HEALTH
DIVISION**

Finally, RSV immunization! (active and passive)



RSV can be very serious for infants and some young children



The RSV shot can help protect adults aged 60 years and older from RSV.



Annual Burden of RSV

Children <5 Years

- 2.1 million outpatient visits
- 58,000-80,000 hospitalizations
- 100-300 deaths



Adults 65 Years +

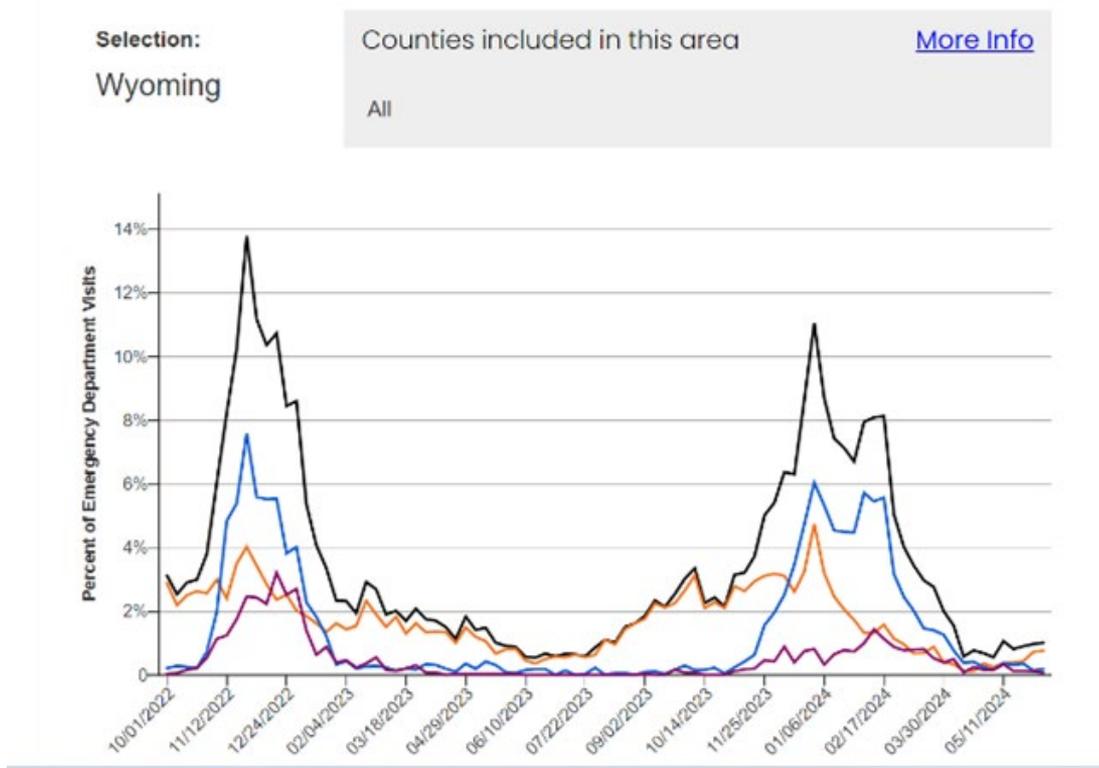
- 60,000-160,000 hospitalizations
- 6,000-10,000 deaths



RSV Immunization: Challenges

- New immunization products
- Shared clinical decision making recommendation for older adults
- Multiple products to protect infants - which to choose?
- Timing of immunization is complex
- Measuring impacts may be difficult due to COVID-19 impacts on RSV seasonality

Integrated Respiratory Virus Surveillance Approach



Select a virus to add or remove it from the graphic

- Combined
- COVID-19
- Influenza
- RSV

Integrated Respiratory Virus Surveillance Approach

Respiratory Virus Guidance Snapshot



Core prevention strategies

Immunizations



Hygiene



Steps for Cleaner Air



Treatment



Stay Home and Prevent Spread*



Additional prevention strategies

Masks



Distancing



Tests



Layering prevention strategies can be especially helpful when:

- ✓ Respiratory viruses are causing a lot of illness in your community
- ✓ You or those around you have risk factors for severe illness
- ✓ You or those around you were recently exposed, are sick, or are recovering

*Stay home and away from others until, for 24 hours BOTH:



Your symptoms are getting better

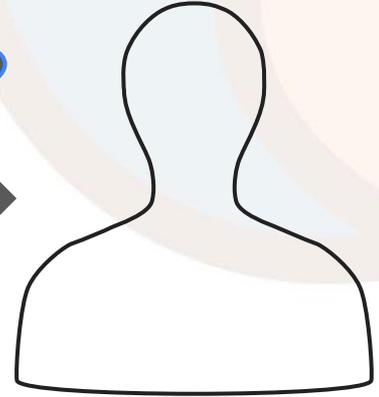


You are fever-free (without meds)

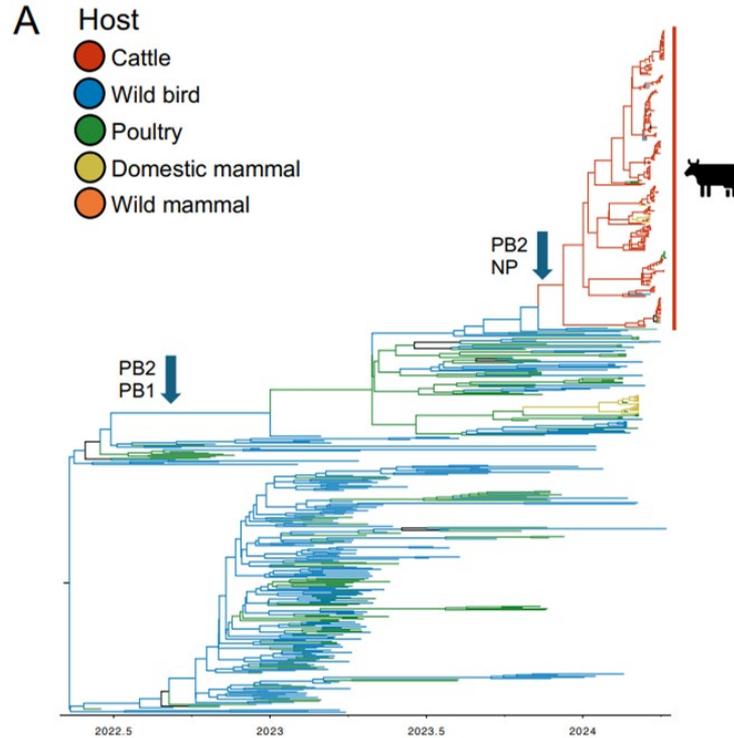


Then take added precaution for the next 5 days

H5N1 Highly Pathogenic Avian Influenza

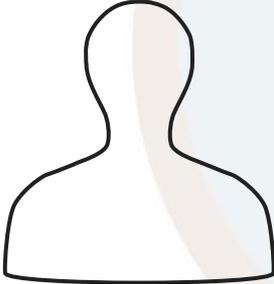
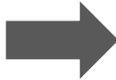


H5N1 Highly Pathogenic Avian Influenza



Nguyen et al, *BioRxiv*, 2024
<https://doi.org/10.1101/2024.05.01.591751>

H5N1 Highly Pathogenic Avian Influenza



April, 2024
Texas



May, 2024
Michigan



May, 2024
Michigan

H5N1 Highly Pathogenic Avian Influenza

- Risk to the general population is low
- No evidence of human to human transmission
- Dairy workers at occupational risk
 - PPE
 - Symptom monitoring
- Oseltamivir expected to be effective
 - Treatment and post-exposure prophylaxis
- Enhanced Influenza A monitoring over the summer

The day ahead!

WYOMING IMMUNIZATION CONFERENCE

June 25-27, 2024
Laramie



IMMUNIZATION
UNIT



PUBLIC HEALTH
DIVISION

The Germ-Laden Bucket

(With apologies when, as, and if needed)

How queer to me now are the scenes of my childhood;
Just to think of the place where I was born, reared, and grew
Makes me shudder and break out in cold perspiration;
It's the greatest of wonders I ever pulled through.

The pig-pen, the stable, the manure pile hard by it
From which flies ascended in one steady swarm;
Our food was uncovered, no screens in the windows.
“Why bother with trifles? Flies don't do any harm.”

The Germ-Laden Bucket

(With apologies when, as, and if needed)

The ditch with the drainage, the garbage, and chickens,
The out-house all added their quotas of smell.
And right in the middle, with germ-laden bucket,
Was the open-top, ramshackle, shallow, dug well.

The brook and the meadow with grass-bordered puddles
Gave mosquitos the finest of places to breed.
Did they bite us? I'll say so, with vicious abandon.
Sanitation then was our direst need.

The Germ-Laden Bucket

(With apologies when, as, and if needed)

In spite of the romance, the rocks and the rivers
Do you wonder we suffered with fever and chills?
But the old country doctor with germs in his whiskers
Dosed us up once a week with physic and pills.

In winter, ah then came the joys of the country!
The windows were nailed shut for once and for all.
Saturday night meant a bath for the entire family
In the moss-covered wash-tub that stood by the wall.

The Germ-Laden Bucket

(With apologies when, as, and if needed)

Did we thrive on this life however poetic?
Were we healthy in those fond glamorous days?
There was no disease organic or catching
That missed us in infancy, manhood, or age.

Take your childhood, its pleasures and moss-covered buckets
The simple life joys of which we hear tell.
I prefer middle age, sanitation, and business
And up-to-date science to keep me well.