

# Iowa Respiratory Virus Surveillance Webinar

**2025-26 SEASON**

Iowa Health and Human Services  
State Hygienic Laboratory  
at the University of Iowa

November 5, 2025



# Housekeeping

- ▶ All participants will be muted during the presentation.
- ▶ Questions can be submitted directly to the facilitator via the Q/A feature located on your control panel
- ▶ All questions submitted will be answered at the end of the presentation or after the presentation
- ▶ Rebroadcast on Friday, November 14 at 10 am

[https://www.zoomgov.com/webinar/register/WN\\_gmTtM6yzTtCwYpoTbhJblw](https://www.zoomgov.com/webinar/register/WN_gmTtM6yzTtCwYpoTbhJblw)

- ▶ When available, you will receive an email with slides

# Presentation Overview

- ▶ Respiratory Virus Surveillance Description and Summary
- ▶ Influenza and Other Respiratory Outbreaks
- ▶ Antiviral Update
- ▶ Influenza, COVID-19 and RSV Vaccination Update
- ▶ Submitting Specimens to SHL and Survey Test Results

# Presenters

- ▶ Andy Weigel, LMSW, Influenza Epidemiologist, Iowa HHS
- ▶ Michael Patten, DO HAI Program Manager, Iowa HHS
- ▶ Shelly Jensen, RN, BSN, Immunization Nurse Clinician, Iowa HHS
- ▶ Jeff Benfer, MS, MB (ASCP)<sup>CM</sup>, Supervisor of Molecular Biology, SHL

# Respiratory Virus Surveillance

Andy Weigel

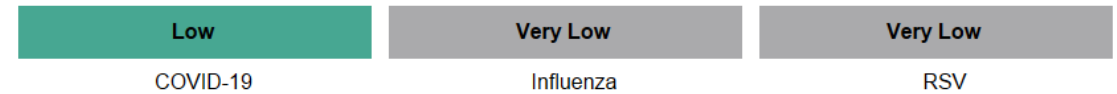
Iowa HHS Influenza Epidemiologist

# Iowa Respiratory Virus Surveillance Report

- Published weekly during the influenza surveillance season
- Posted on the Iowa HHS influenza surveillance page
- Email list is the quickest

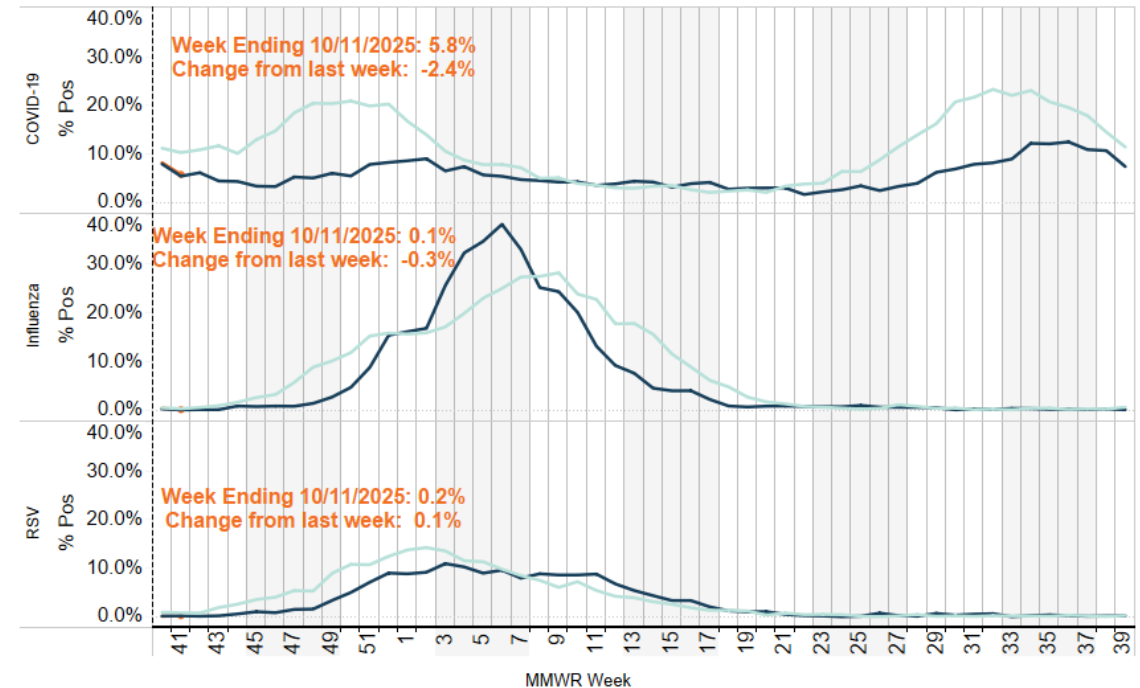
View the report or subscribe to regular email reports at [hhs.iowa.gov/center-acute-disease-epidemiology/iowa-influenza-surveillance](https://hhs.iowa.gov/center-acute-disease-epidemiology/iowa-influenza-surveillance)

## Overall Activity Levels



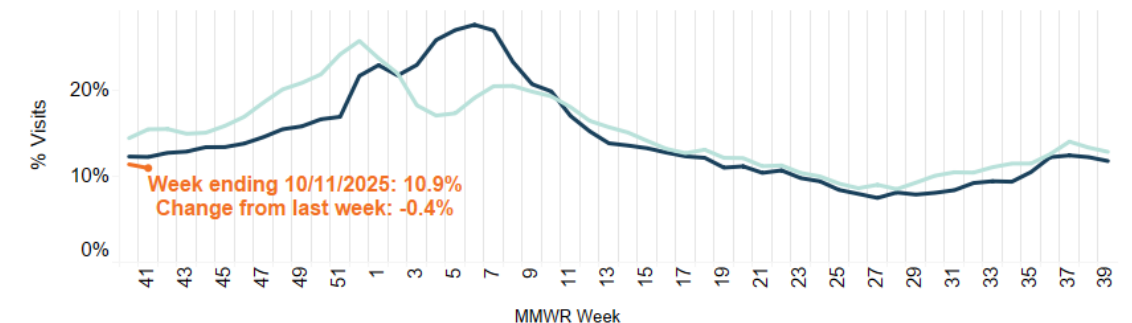
Lab Surveillance - percent positive molecular respiratory virus results

2023-24 2024-25 2025-26



Syndromic Surveillance - percent of emergency department visits with acute respiratory syndrome

2023-24 2024-25 2025-26



# Iowa Respiratory Virus Surveillance

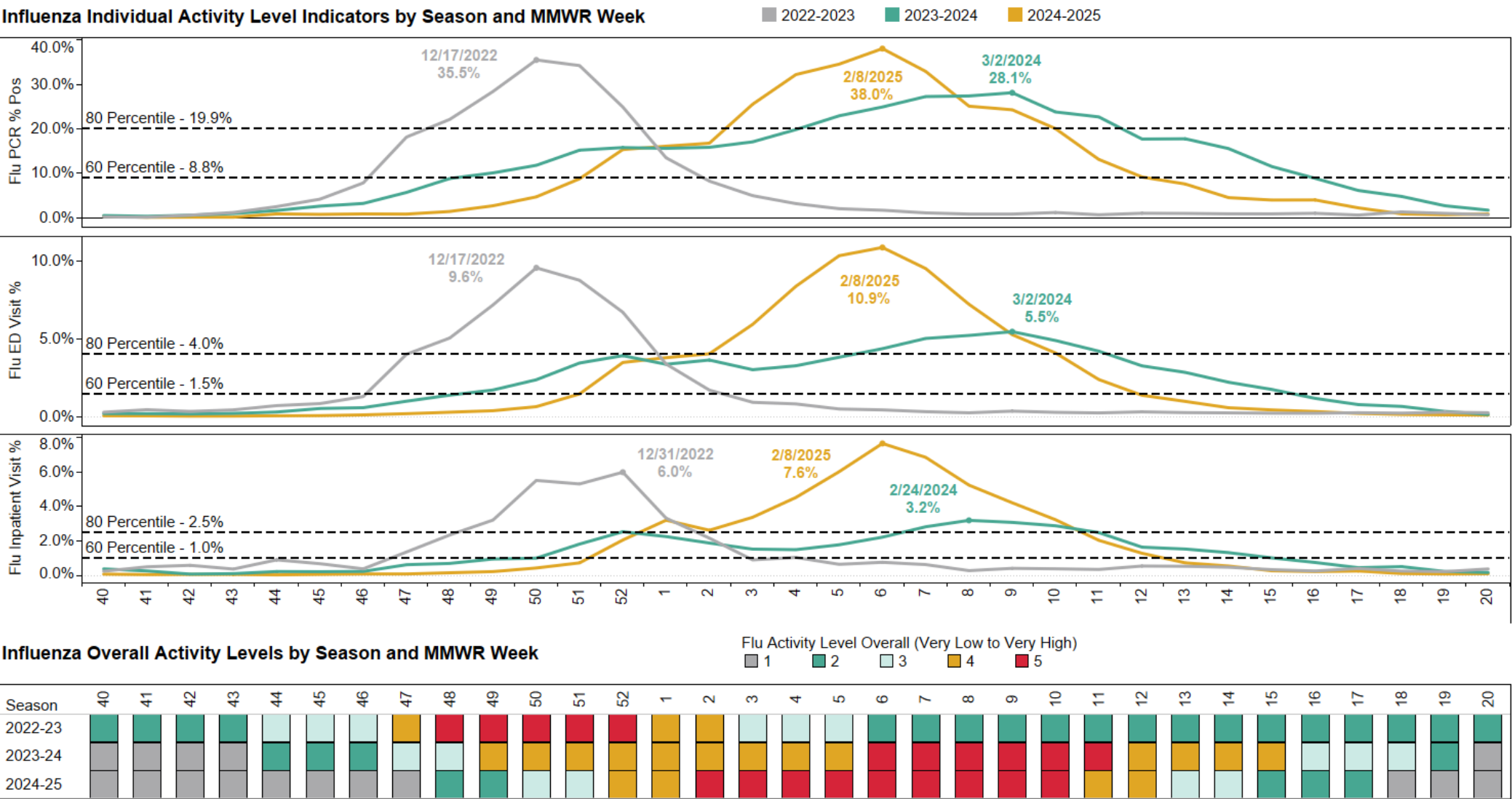
- ▶ Public health and clinical laboratory testing
- ▶ Wastewater surveillance
- ▶ Outpatient respiratory illness visits
- ▶ Syndromic ED and inpatient visits
- ▶ School and care facility outbreaks
- ▶ Deaths

# Influenza, COVID-19 and RSV Weekly Activity Levels

- ▶ Individual measures (molecular test positivity, ED and inpatient visit proportions) and a composite measure (simple average of the other 3 measures)
- ▶ Calculate thresholds from 3-year historical period (2022-25), with flu and RSV excluding data from weeks 21-39
- ▶ Individual activity level (less than 20th percentile = very low, 20-40th percentile = low, 40-60th percentile = moderate, 60-80th percentile = high, over 80th percentile = very high)
- ▶ Levels do not incorporate slope of weekly change



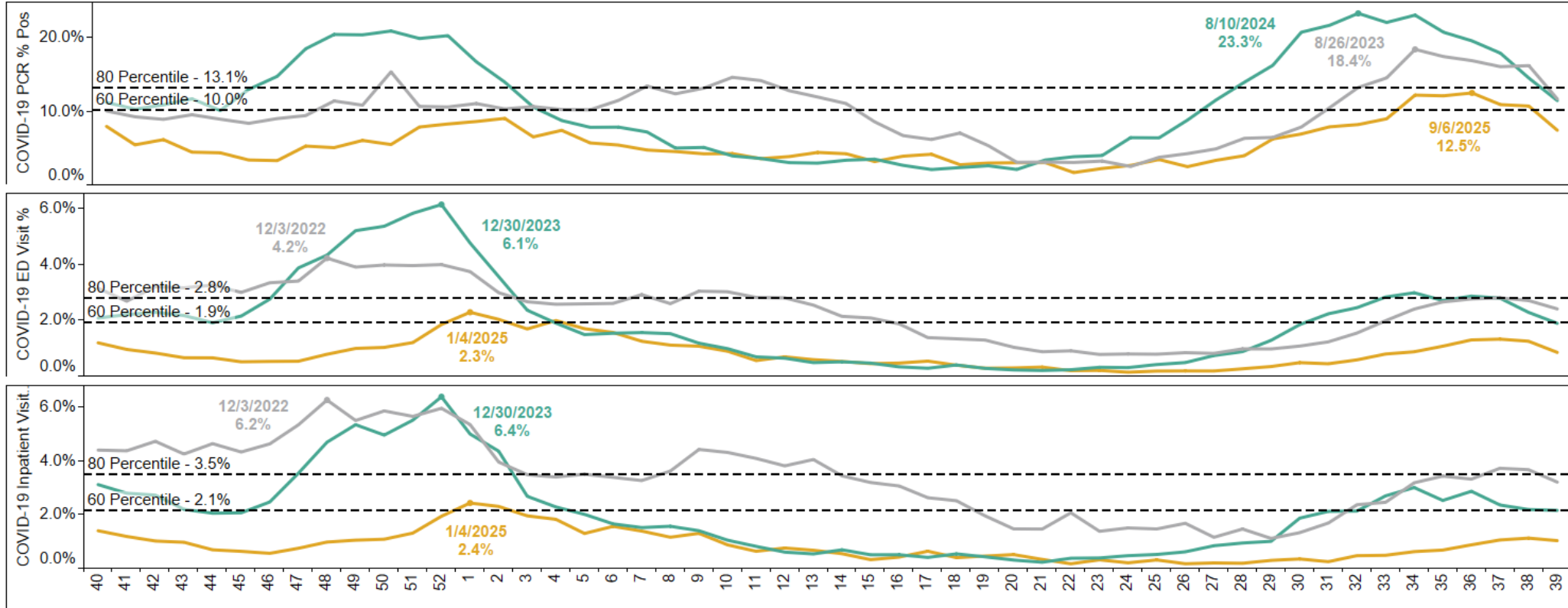
# Influenza Activity 2022-25



# COVID-19 Activity 2022-25

COVID-19 Individual Activity Indicators by Season and MMWR Week

2022-2023 2023-2024 2024-2025



COVID-19 Overall Activity Level by Season and MMWR Week

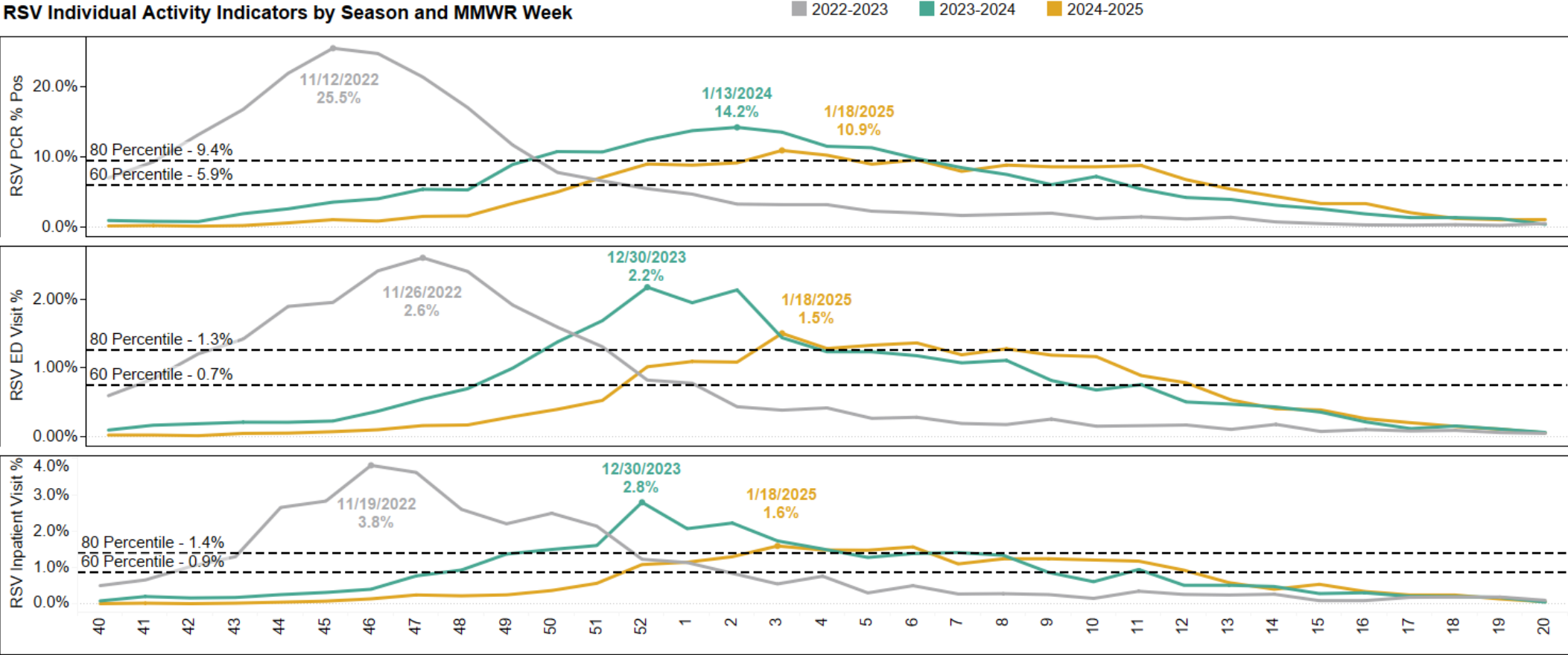
COVID-19 Activity Level Overall (Very Low to Very High)

1 2 3 4 5

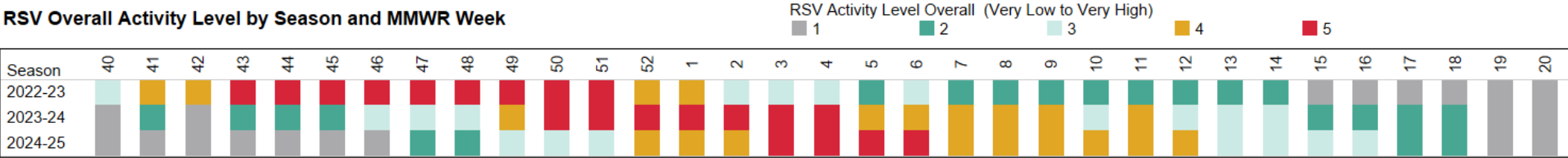


# RSV Activity 2022-25

RSV Individual Activity Indicators by Season and MMWR Week



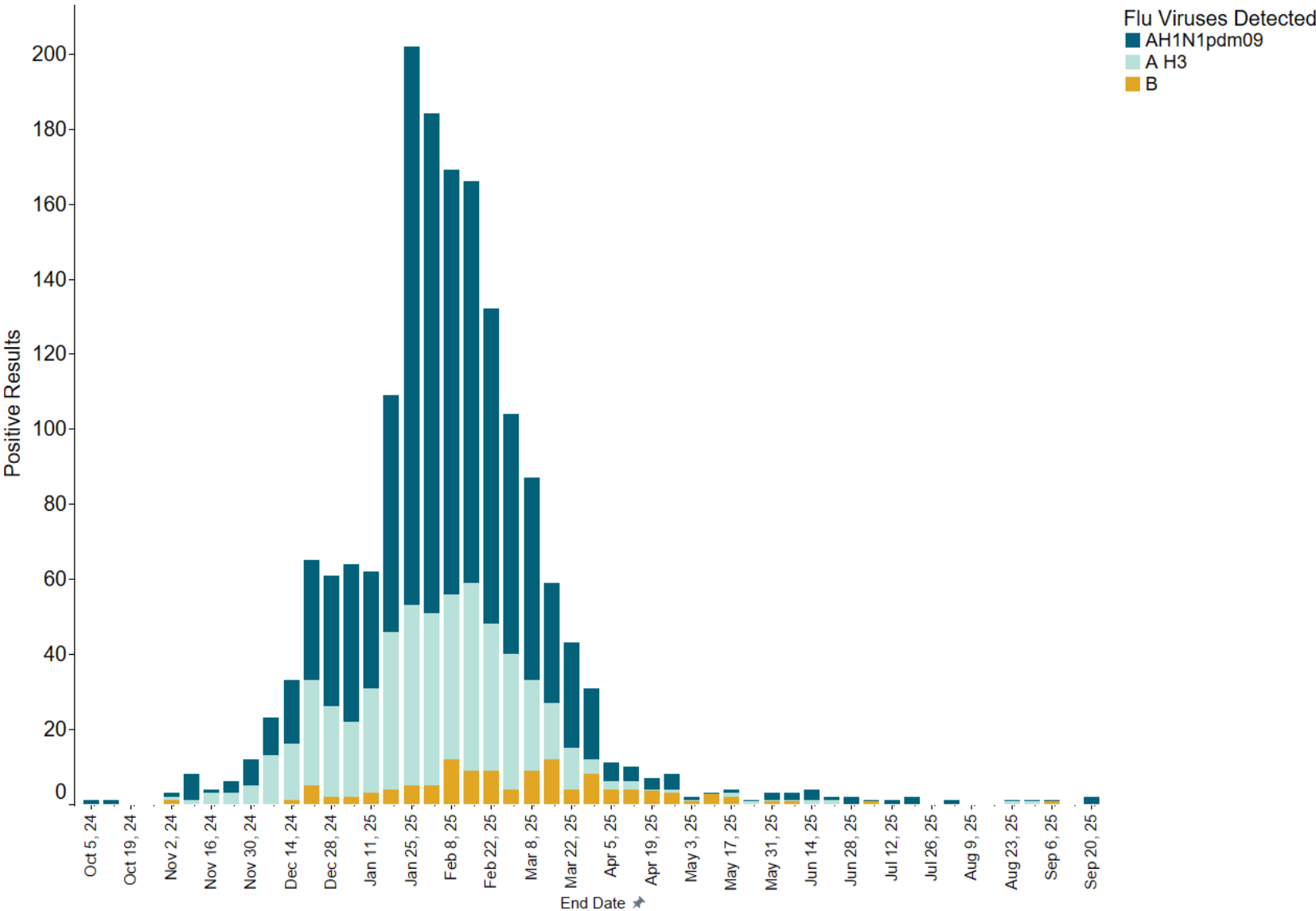
RSV Overall Activity Level by Season and MMWR Week



# Influenza Testing at SHL

Influenza Positives at SHL:  
2024-2025

Influenza Virus Detected	Number of Positives
AH1N1pdm09	1068
AH3	511
B	120
Total	1699



# Reporting School Illness

## ► Daily illness at least 10%

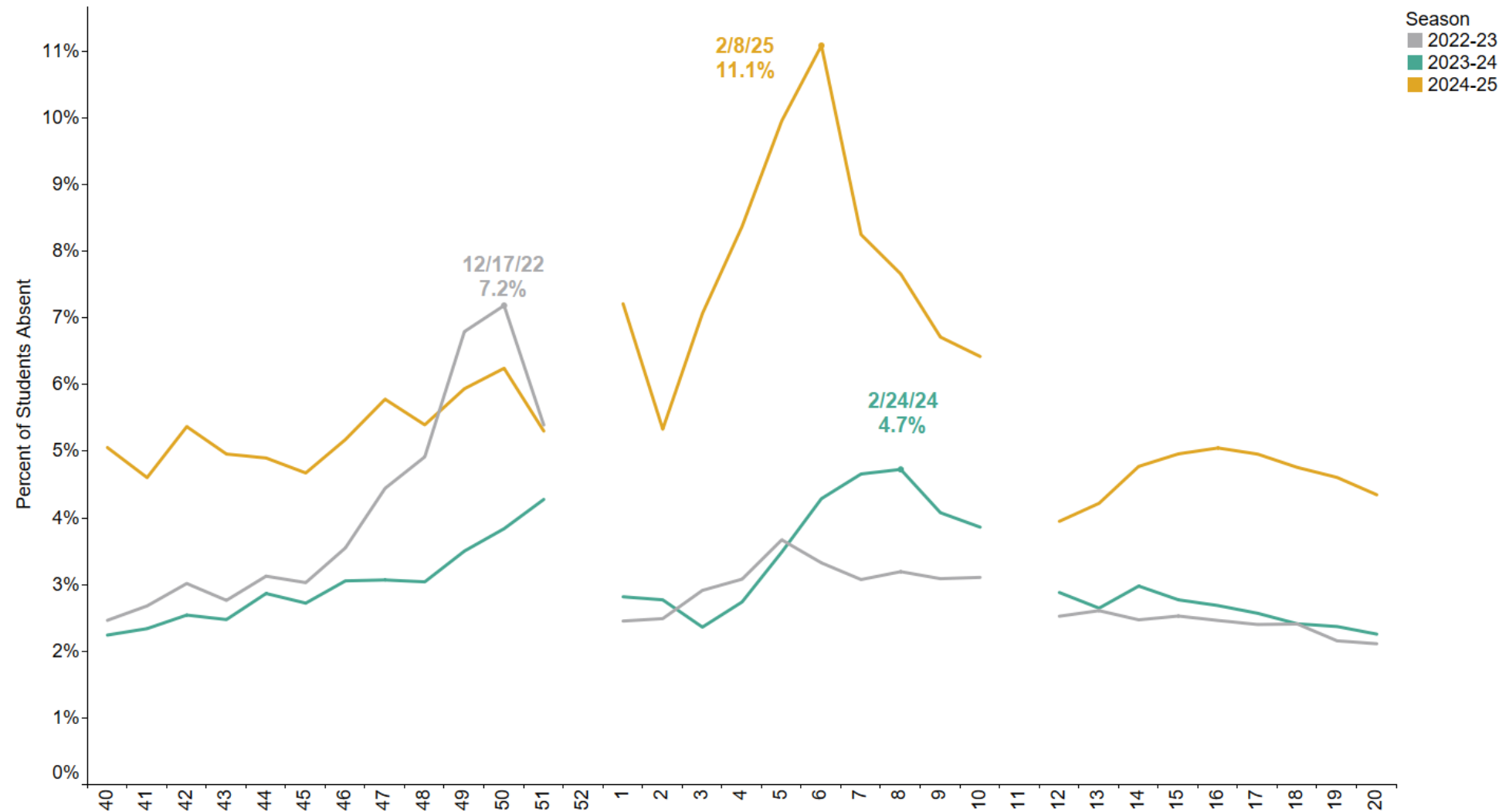
- All Iowa schools are required to report to Iowa HHS when percent of illness meets or exceeds 10 percent
- Report using survey <https://redcap.link/iowaschool10pct25-26>

## ► Weekly Illness

- Sites volunteer to submit total illness numbers each week
- Start reporting your data at <https://redcap.link/iowaweeklyschool25-26>

To become a school site or to help recruit one, contact Andy Weigel at 515-322-1937 or [andy.weigel@hhs.iowa.gov](mailto:andy.weigel@hhs.iowa.gov).

# Weekly School Illness 2022-25



# Outbreak Control for Schools and Child Care Centers

- ▶ Work with local public health agencies to investigate and collect specimens as needed
- ▶ Utilize resources at Iowa HHS and CDC
- ▶ Reinforce illness policies
- ▶ Increase cleaning and disinfecting of key areas
- ▶ Encourage and teach hand hygiene
- ▶ Notify and educate parents
- ▶ Many of the steps we take for any one disease will help for others (e.g., handwashing, staying home when you are sick)

[Child Illness and Exclusion Criteria for Education and Child Care Settings](#)

# Severe Pediatric Influenza

## Pediatric influenza-associated encephalopathy and acute necrotizing encephalopathy: US 2024-25 flu season

- ▶ 109 reports of pediatric IAE in US during the 24-25 season (34% ANE)

## Influenza-associated pediatric deaths: US 2024-25 flu season

- ▶ Highest US deaths since 2004, excluding 2009-10 pandemic season

[MMWR Morb Mortal Wkly Rep 2025;74: 556-569.](#)



# Contact Information

Andy Weigel, LMSW

Iowa Influenza Epidemiologist

Iowa HHS

Phone: 515-322-1937

[andy.weigel@iowa.hhs.gov](mailto:andy.weigel@iowa.hhs.gov)

**THANK YOU!**

# Respiratory Outbreaks in Long-Term Care Facilities

Investigation and Response

Michael Patten, DO  
HAI Program Manager, Iowa HHS

# Reporting Respiratory Outbreaks (including COVID-19)

- ▶ While most individual cases are not reportable, in Iowa **all respiratory virus outbreaks are required to be reported** to the Iowa Department of Health and Human Services (Iowa HHS) by Iowa Administrative Code [641] Chapter 1.
- ▶ This can be done **online** using a secure and HIPAA compliant form. [https://redcap.link/respiratory\\_outbreak](https://redcap.link/respiratory_outbreak)

# Reporting Respiratory Outbreaks (including COVID-19)

The following outbreak definitions should be used to determine if your facility is experiencing a reportable respiratory virus outbreak:

► Influenza:

- One laboratory-confirmed influenza positive resident along with other residents having respiratory illness symptoms in a unit within a 72-hour period.

► COVID-19:

- Three or more COVID-19 positive residents occurring within a 14-day period.

► Other respiratory viruses:

- One laboratory-confirmed positive resident along with other residents having respiratory illness symptoms in a unit within a 72 hours period.

Signs and symptoms of a respiratory infection can include but are not limited to nasal congestion, sore throat, difficulty breathing, wheezing, chest pain, coughing (productive or non-productive), muscle or body aches, or documented fever.

# Reporting Respiratory Outbreaks (including COVID-19) information



## Public Health Iowa HHS

### OUTBREAKS are REQUIRED to be reported

Some respiratory virus infections are found more frequently October through April, but many are also detected year-round.

Most individual respiratory virus cases are not reportable in Iowa. However, **all disease outbreaks are required to be reported** to the Iowa Department of Health and Human Services (Iowa HHS) by Iowa Administrative Code [641] Chapter 1.

#### WHEN TO REPORT A RESPIRATORY OUTBREAK

##### ■ Influenza

One laboratory-confirmed influenza positive resident along with other residents having respiratory illness symptoms in a unit within a 72 hour period.

##### ■ COVID-19

Three or more COVID-19 positive residents occurring within a 14 day period.

##### ■ Other Respiratory Viruses

One laboratory-confirmed positive resident along with other residents having respiratory illness symptoms in a unit within a 72 hours period.



#### SIGNS AND SYMPTOMS

respiratory infection can include but are not limited to:

- Nasal Congestion
- Coughing (productive or non-productive)
- Sore Throat
- Difficulty Breathing
- Muscle or Body Aches
- Wheezing
- Documented Fever
- Chest Pain

#### SUBMIT A REPORT

The reporting form is secure so you can report facility and patient information.



To meet this reporting requirement, scan the QR code with a smart device or visit online at [redcap.link/gwfulsri](https://redcap.link/gwfulsri)

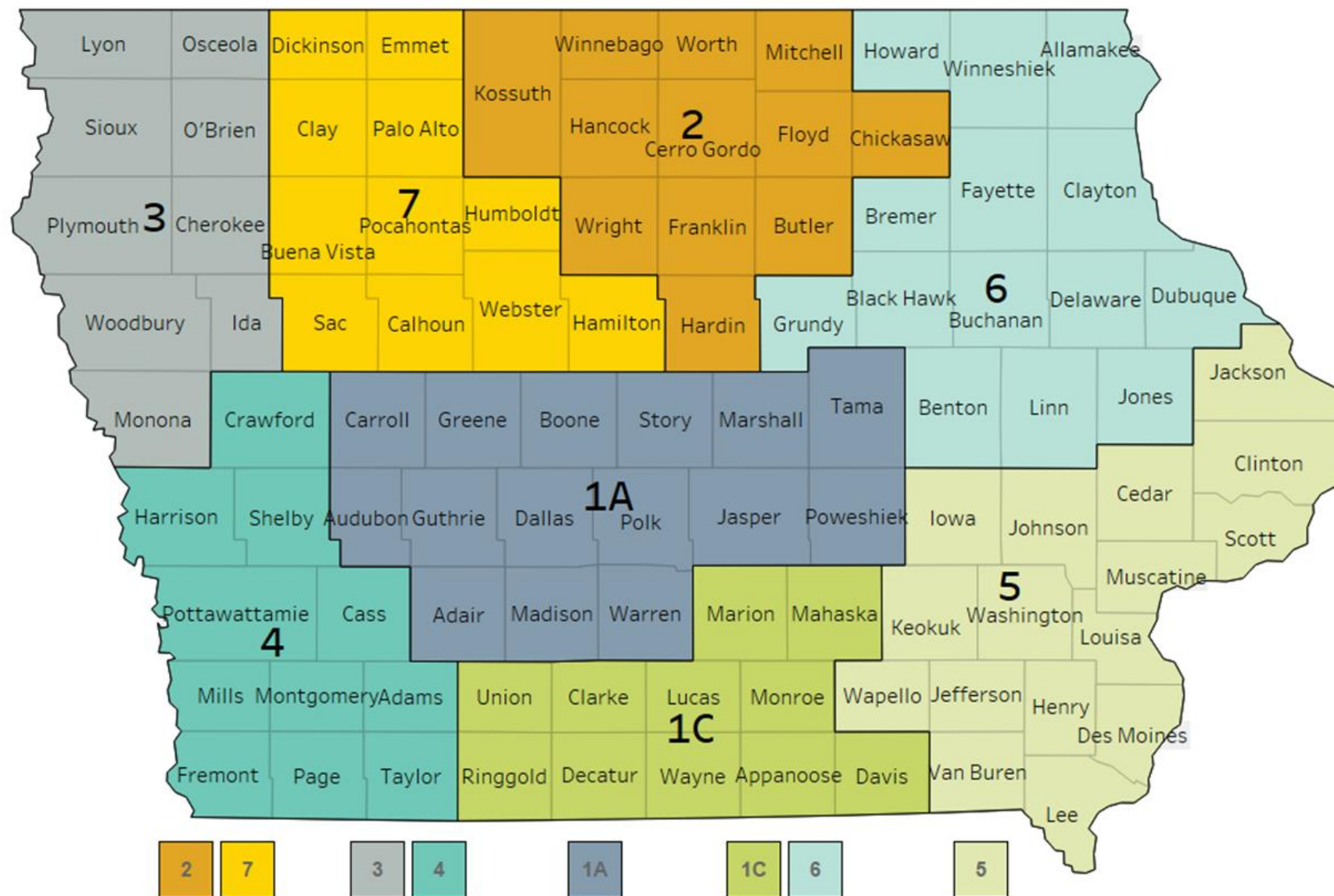
After submitting a report, a public health official will contact you within one business day to offer technical assistance. If you would like technical assistance before the next business day please call the 24/7 hotline (1-800-362-2736).



#### IN CASE OF EMERGENCY

If your facility is experiencing a situation resulting in any severe illness or deaths, **immediately call the 24/7 hotline 1-800-362-2736.**

# CONTACTS



2	7	3	4	1A	1C	6	5
Dee Vaage	Abby Hough	Lisa Vitale	Chris Barten	Tyra Goss			
(515) 499-1551	(515) 802-7898	(515) 305-1274	(515) 322-3796	(515) 204-5955			

Updated 7/15/2024

# CONTACTS

hai-ar@hhs.iowa.gov

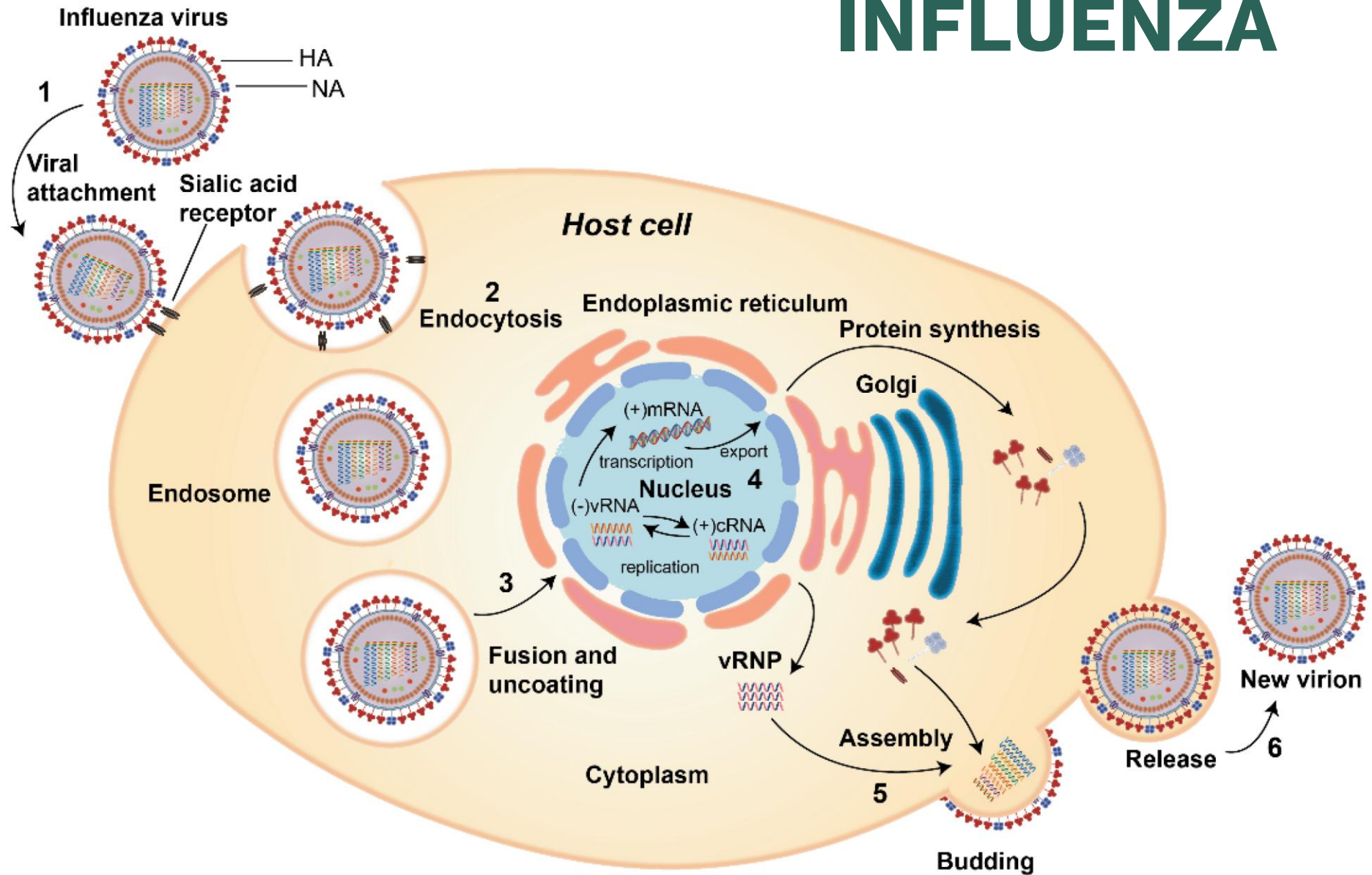
# Antivirals

Matthew Donahue, MD

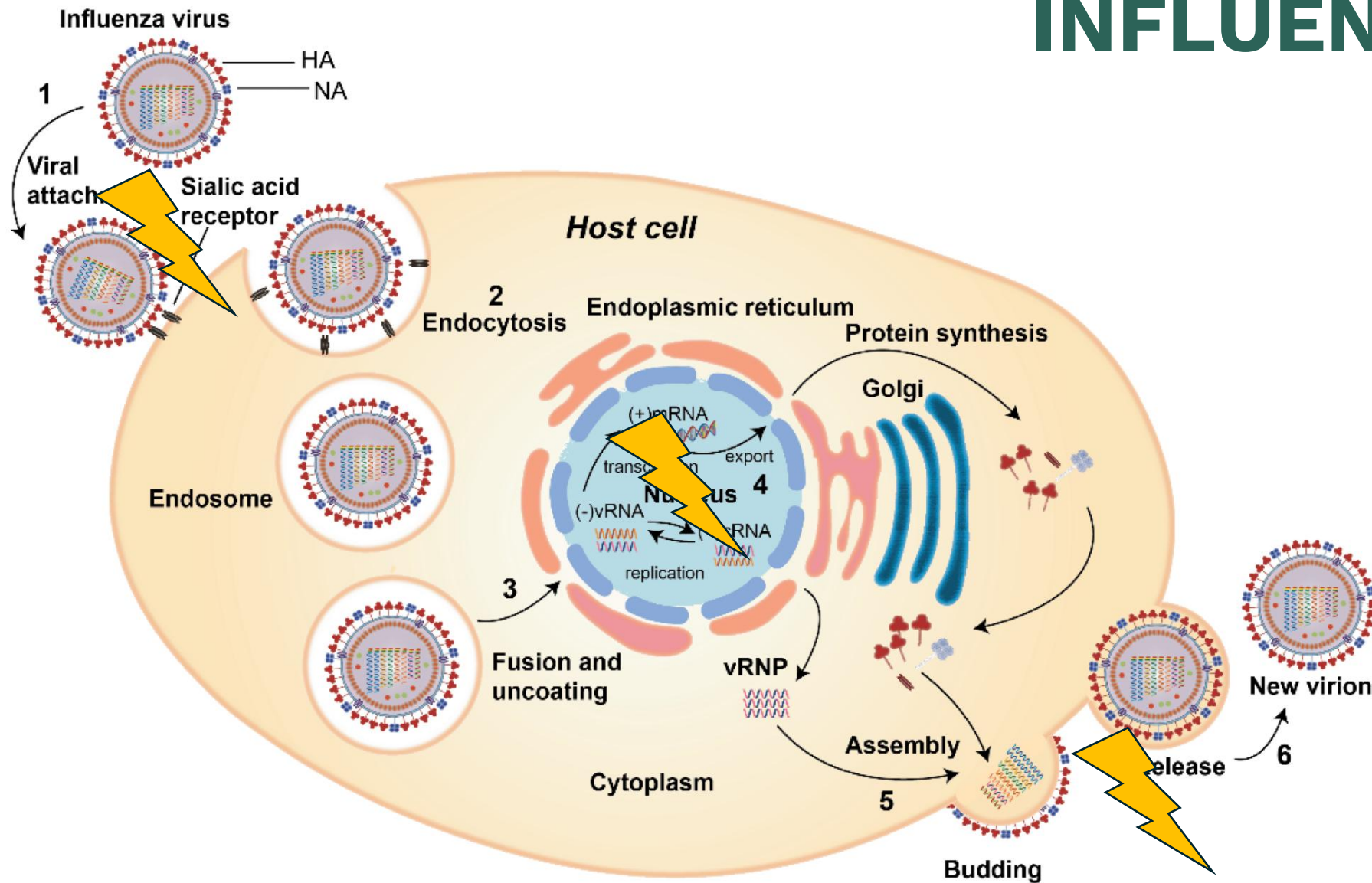
State Epidemiologist & Deputy Medical Director



# INFLUENZA



# INFLUENZA

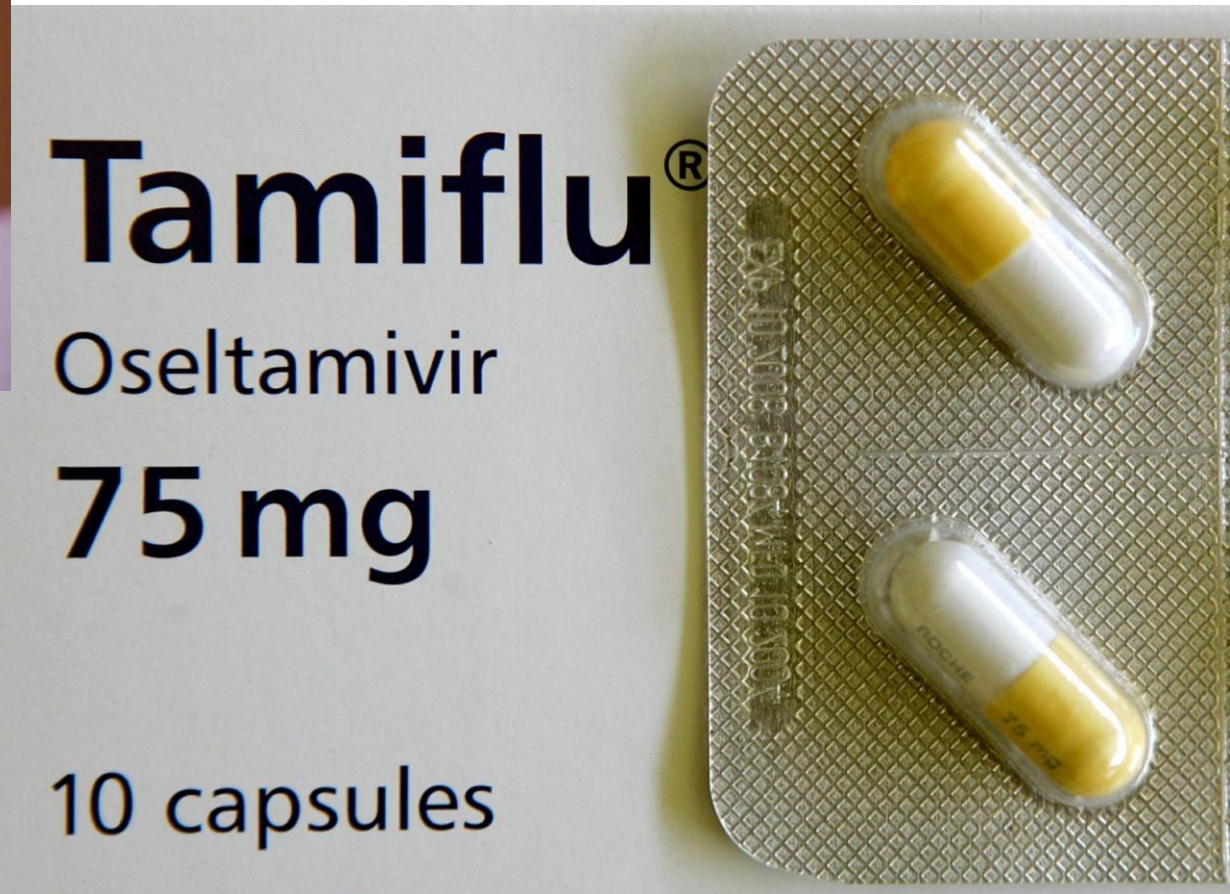


# Four FDA recommended options, two most frequently used

## Work against influenza A & influenza B

- ▶ Neuraminidase inhibitors
  - **Oseltamivir** (oral med, aka “Tamiflu”)
  - **Peramivir** (intravenous)
  - Zanamivir (inhaled)
- ▶ Cap-dependent endonuclease inhibitor
  - Baloxavir marboxil (oral)





# WHY BOTHER with influenza antivirals?

Most won't need it. Some really benefit.  
Know who.

- ▶ Two use cases: 1) TREATMENT 2) PREVENTION chemoprophylaxis
- ▶ Priority groups
  - Inpatients (hospitalized)
  - Outpatients with severe, complicated, or progressive illness
  - Outpatients with higher risk for influenza complications
- ▶ Goal: start as soon as possible for greatest benefit, even while test is pending, within 48 hours of symptom onset







# Can children and pregnant women take oseltamivir? Yes.

- ▶ Oseltamivir treatment is available for any age (recommended for all children <2 years and all adults >65 years) *IDSA rec 18*
- ▶ Oseltamivir chemoprophylaxis is available for children/infants down to 3 months and older
- ▶ Safety of oseltamivir in pregnancy has been established through decades of research, across multiple studies (recommended for all pregnant women and those 2 weeks postpartum) *IDSA rec 18*

# Oseltamivir dosing is fairly straight-forward

- ▶ Treatment for most adults: one pill (75mg) twice per day for 5 days
- ▶ Chemoprophylaxis for most adults: one pill (75mg) once per day for 7-14 days from most recent exposure, longer for congregate settings
- ▶ Treatment/chemoprophylaxis for children: weight-based, suspension available
- ▶ Dose adjustments needed for chronic kidney disease



# What about antiviral resistance? It can happen but rarely happens.

## Assessment of Virus Susceptibility to Antiviral Medications

CDC assesses susceptibility of influenza viruses to the antiviral medications including the neuraminidase inhibitors (oseltamivir, zanamivir, and peramivir) and the PA endonuclease inhibitor baloxavir using next generation sequence analysis supplemented by laboratory assays. Information about antiviral susceptibility test methods can be found at [U.S. Influenza Surveillance: Purpose and Methods](#).

Viruses collected in the U.S. since October 1, 2023, were tested for antiviral susceptibility as follows:

<https://www.cdc.gov/fluview/surveillance/2024-week-39.html>

Antiviral Medication			Total Viruses	A/H1	A/H3	B/Victoria
Neuraminidase Inhibitors	Oseltamivir	Viruses Tested	5,428	2,007	1,960	1,461
		Reduced Inhibition	1 (0.02%)	1 (0.1%)	0 (0%)	0 (0%)
		Highly Reduced Inhibition	6 (0.1%)	6 (0.3%)	0 (0%)	0 (0%)

# Clinical Practice Guidelines by the Infectious Diseases Society of America: 2018 Update on Diagnosis, Treatment, Chemoprophylaxis, and Institutional Outbreak Management of Seasonal Influenza<sup>a</sup>

Timothy M. Uyeki,<sup>1</sup> Henry H. Bernstein,<sup>2</sup> John S. Bradley,<sup>3,4</sup> Janet A. Englund,<sup>5</sup> Thomas M. File,<sup>6</sup> Alicia M. Fry,<sup>1</sup> Stefan Gravenstein,<sup>7</sup> Frederick G. Hayden,<sup>8</sup> Scott A. Harper,<sup>9</sup> Jon Mark Hirshon,<sup>10</sup> Michael G. Ison,<sup>11</sup> B. Lynn Johnston,<sup>12</sup> Shandra L. Knight,<sup>13</sup> Allison McGeer,<sup>14</sup> Laura E. Riley,<sup>15</sup> Cameron R. Wolfe,<sup>16</sup> Paul E. Alexander,<sup>17,18</sup> and Andrew T. Pavia<sup>19</sup>



Influenza (Flu)

EXPLORE TOPICS ▾

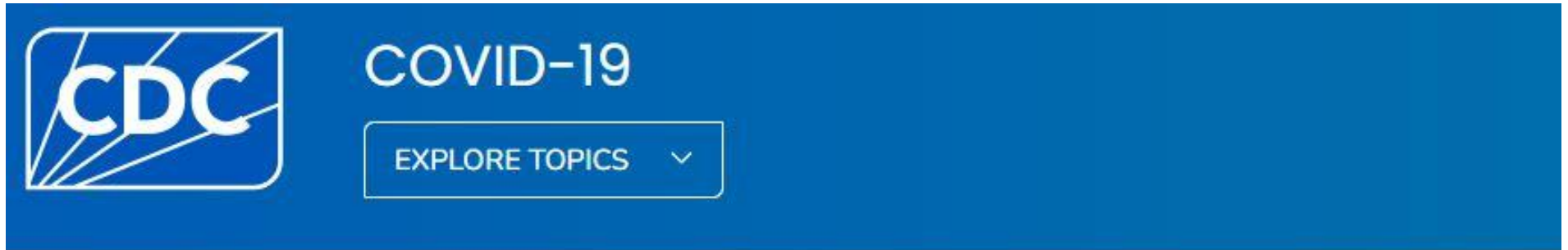
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DECEMBER 8, 2023

## Influenza Antiviral Medications: Summary for Clinicians

# IDSA Guidelines on the Treatment and Management of Patients with COVID-19

Published by IDSA, 5/27/2021. Last updated, 8/12/2024



## Types of COVID-19 Treatment



# IDSA Guidelines on the Treatment and Management of Patients with COVID-19

Published by IDSA, 5/27/2021. Last updated, 8/12/2024



The NEW ENGLAND  
JOURNAL of MEDICINE



COVID-19

EXPLORE TOPICS 

## Types of COVID-19 Treatment



Health and  
Human Services

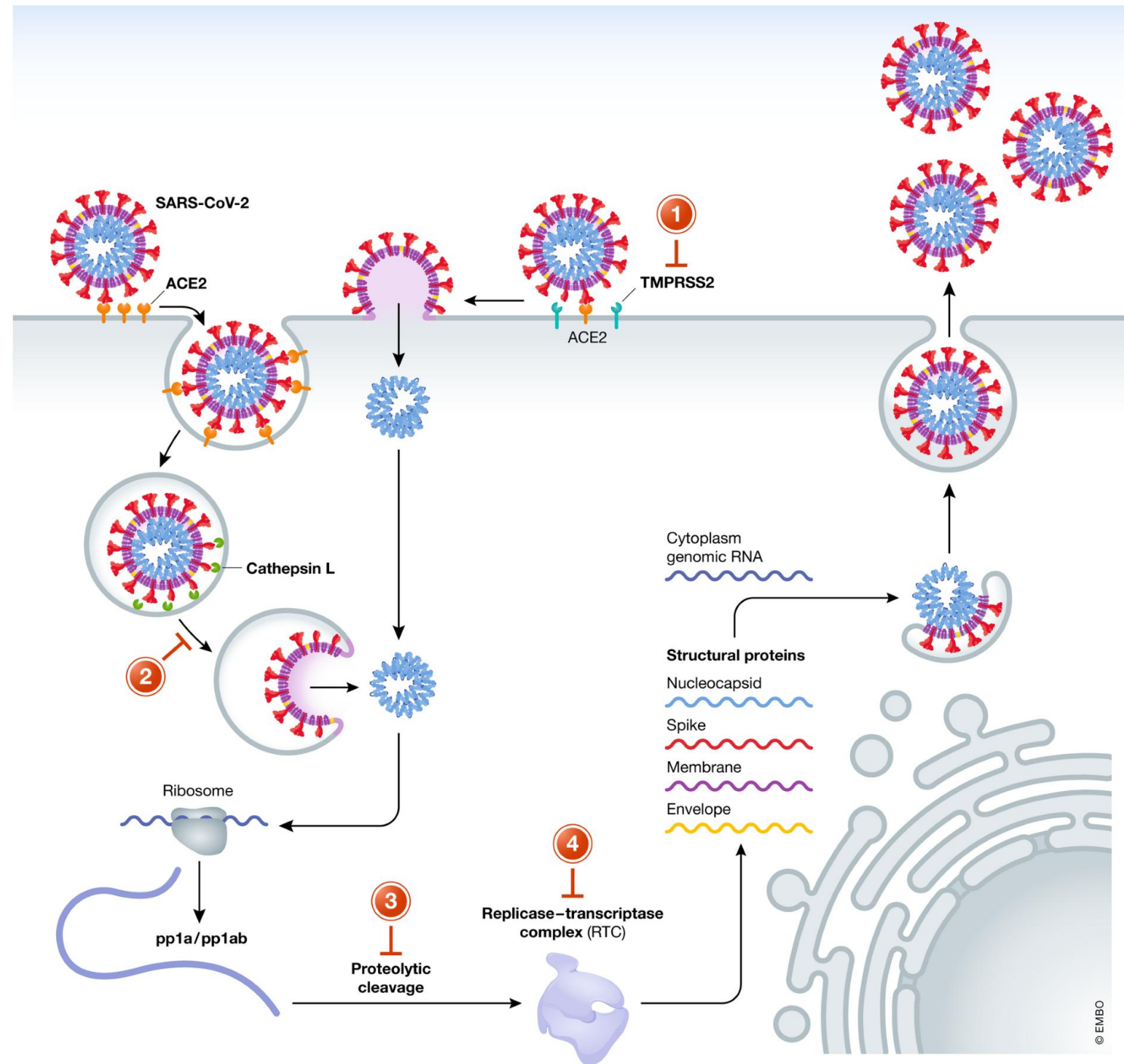


# ACOG

The American College of  
Obstetricians and Gynecologists

# COVID-19

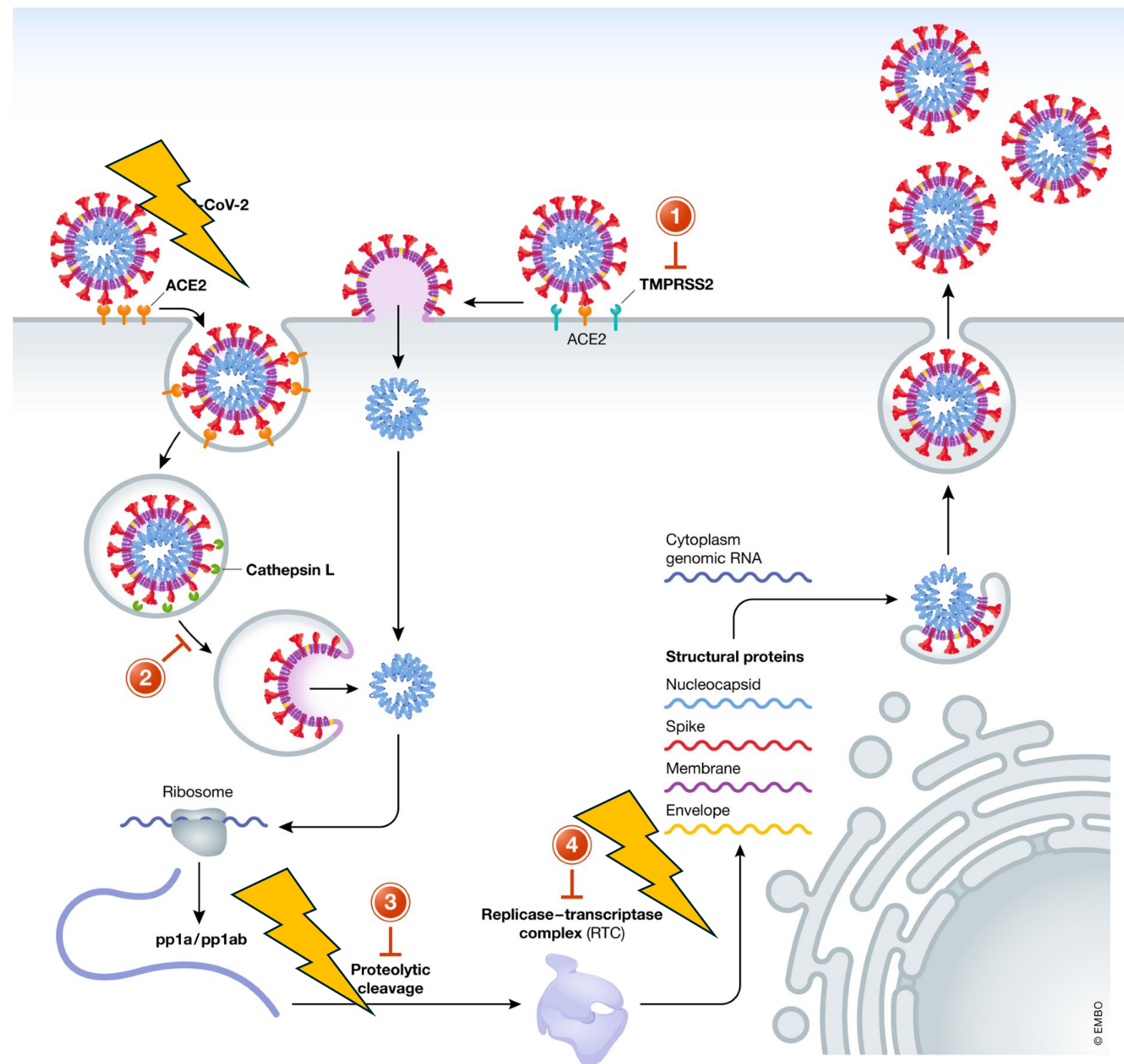
<https://www.embopress.org/doi/full/10.15252/emmm.202013105>



# COVID-19

<https://www.embopress.org/doi/full/10.15252/emmm.20201310>

5



Multiple historical options for COVID-19 treatment, **nirmatrelvir-ritonavir (Paxlovid)** remains most available

...similar to influenza antivirals, most won't need it but some really benefit



**300mg nirmatrelvir -  
100mg ritonavir twice  
per day for 5 days**

**START ASAP, little  
benefit when started  
after 5 days from  
symptom onset**



<https://www.reuters.com/business/healthcare-pharmaceuticals/pfizer-price-covid-19-drug-paxlovid-1400-five-day-course-wsj-2023-10-18/>



# WHO benefits the most from nirmatrelvir-ritonavir (Paxlovid)?

- ▶ Mild to moderate COVID-19 at HIGH RISK for progression to severe disease
  - High risk- chronic medical conditions, smoking, obesity, >65yo
- ▶ Younger healthier adults, especially with vaccination unlikely to benefit







# Can children and pregnant women take nirmatrelvir-ritonavir (Paxlovid)? Yes, but...

- ▶ Must be 12 years and older, weigh more than 40kg (88lbs)
- ▶ Pregnancy excluded from clinical trials so little evidence
- ▶ NIH and ACOG recommend AGAINST WITHHOLDING treatment, acknowledge little safety data, but supportive animal data and no clear safety signals in humans


[https://www.idsociety.org/covid-19-real-time-learning-network/therapeutics-and-interventions/who-still-benefits-from-paxlovid/#/+0/publishedDate\\_na\\_dt/desc/](https://www.idsociety.org/covid-19-real-time-learning-network/therapeutics-and-interventions/who-still-benefits-from-paxlovid/#/+0/publishedDate_na_dt/desc/)

# Nirmatrelvir-ritonavir (Paxlovid) requires some cross-checking

- ▶ Dose adjustments needed for chronic kidney disease, similar to oseltamivir (Tamiflu)
- ▶ NEED TO SCREEN MEDS FOR DRUG-DRUG INTERACTIONS
- ▶ USE LIVERPOOL DRUG INTERACTION CHECKER
- ▶ Viral rebound 0.8-6.6%




# OSELTAMIVIR COST?

**Oseltamivir**  
Generic Tamiflu

10 capsules of 75mg 1 dose pack [Edit](#)

My pharmacy [Change](#)

 **Hy-Vee** [>](#)

Coupon price

Show this coupon to your pharmacist.

**\$23.45**  
~~\$123.99~~ 81% off retail price

BIN015995

PCNGDC

GroupDR33










Member IDFPD879086

[Lock in a lower price](#)


[Share coupon](#)

GoodRx coupon • This is NOT insurance

Other pharmacy prices

	Thrifty White Pharmacy	\$22.16	<a href="#">&gt;</a>
		<del>\$70.49</del> Save 69%	
	Costco*	\$23.99	<a href="#">&gt;</a>
		<del>\$83.77</del> Save 71%	
	Kroger Pharmacy	\$24.16	<a href="#">&gt;</a>
		<del>\$154.49</del> Save 84%	
<div> \$135.70 Oseltamivir Gold Home Delivery <a href="#">→</a></div>			
	Walmart	\$24.59	<a href="#">&gt;</a>
		<del>\$47.93</del> Save 49%	
	CVS Pharmacy	\$26.18	<a href="#">&gt;</a>
		<del>\$60.06</del> Save 56%	
	Target (CVS)	\$26.18	<a href="#">&gt;</a>
		<del>\$61.18</del> Save 57%	
	Community, a Walgreens Pharmacy	\$43.15	<a href="#">&gt;</a>
		<del>\$70.49</del> Save 39%	
	Walgreens	\$43.15	<a href="#">&gt;</a>
		<del>\$57.18</del> Save 25%	

# Nirmatrelvir-ritonavir (Paxlovid) COST?




Paxlovid

30 tablets of 150mg/100mg 1 carton

Edit

My pharmacy

Change

Hy-Vee

Coupon price

Show this coupon to your pharmacist.

\$1,478.09

~~\$1,598.78~~ 8% off retail price

BIN015995

PCNGDC

GroupDR33









Member IDFPD880154

Lock in a lower price

Share coupon

GoodRx coupon • This is NOT insurance

Other pharmacy prices

	Thrifty White Pharmacy	\$1,409.58	>
		<del>\$1,598.78</del> Save 12%	
	Kroger Pharmacy	\$1,416.58	>
		<del>\$1,742.99</del> Save 19%	
	CVS Pharmacy	\$1,493.55	>
		<del>\$1,598.78</del> Save 7%	
	Target (CVS)	\$1,493.55	>
		<del>\$1,598.78</del> Save 7%	
	Community, a Walgreens Pharmacy	\$1,497.07	>
		<del>\$1,598.78</del> Save 6%	
	Walgreens	\$1,497.07	>
		<del>\$1,744.00</del> Save 14%	
	Walmart	\$1,514.01	>
		<del>\$1,743.88</del> Save 13%	
	Costco*	\$1,611.97	>
*No store membership required at Costco or Sam's Club			
Other pharmacies		\$1,430.74	>
Use this option to get this price at most local pharmacies			

GoodRx

# Nirmatrelvir-ritonavir (Paxlovid) COST?

Cost savings options are available with the  
**PAXCESS™ Patient Support Program**

**Paxlovid™**  
(nirmatrelvir 150 mg tablets | ritonavir 100 mg tablets)





# Emergency Preparedness and Response



[COCA Calls](#) | [COCA](#) | [CDC](#)

# Respiratory Vaccine Recommendations

Shelly Jensen, RN, BSN  
Immunization Nurse Clinician, Iowa HHS

# Influenza Vaccine

- ▶ Routine annual vaccination for all persons  $\geq 6$  months who do not have a contraindication
- ▶ June 2025 ACIP recommendation: single dose formulations free of thimerosal as a preservative
- ▶ Children 6 months-8 years who have not received  $\geq 2$  doses before July 1, 2025, require 2 doses this season
- ▶ Adults  $\geq 65$  years preferential recommendation: Fluzone High Dose, Fluad or Flublok

# RSV Vaccine: Adults

- ▶ 75 years or older: single dose
- ▶ 50-74 years at increased risk: single dose
- ▶ Available vaccines: Abrysvo, Arexvy, mRESVIA
- ▶ Timing: ideally late summer or early fall (can be given at any time of year)

# RSV Vaccine: Pregnancy

- ▶ Pregnant 32 0/7 weeks - 36 6/7 weeks gestation
- ▶ Timing: September - January
- ▶ Only approved vaccine: Abrysvo
- ▶ Single dose for those who have not previously received vaccine; revaccination not recommended for subsequent pregnancies

# RSV Monoclonal Antibody: Infants & Young Children

## ► Nirsevimab (Beyfortus):

- Infants <8 months born during or entering their 1st RSV season
- Young children 8-19 months entering their 2nd RSV season at increased risk for severe RSV disease

## ► Clesrovimab (Enflonsia):

- Infants <8 months born during or entering their 1st RSV season

## ► Timing: October-March

# COVID-19 Vaccine

ACIP recommends COVID-19 vaccination for individuals  $\geq 6$  months be determined by individual decision making. It includes an emphasis that the risk-benefit of vaccination in individuals under age 65 is most favorable for those who are at an increased risk for severe COVID-19 and lowest for individuals who are not at an increased risk, according to the CDC list of COVID-19 risk factors.

# COVID-19 Vaccine cont.

- Adults 65 Years of Age and Older: Vaccination based on individual-based decision making\* (also known as shared clinical decision making).
- Individuals 6 months to 64 years of age: Vaccination based on individual based decision making\* - with the emphasis that the risk-benefit of vaccination is most favorable for individuals who are at an increased risk for severe COVID-19 disease and lowest for individuals who are not at increased risk, according to the CDC list of COVID-19 risk factors.



# COVID-19 Vaccine cont.

\*Individual decision-making is referred to on the CDC's adult and child immunization schedules as vaccination based on shared clinical decision-making, which references providers including physicians, nurses, and pharmacists. It allows for immunization coverage through all payment mechanisms including entitlement programs such as the Vaccines for Children Program, Children's Health Insurance Program, Medicaid, and Medicare, as well as insurance plans through the federal Health Insurance Marketplace.

# Resources

- ▶ [Flu Vaccine | Health & Human Services](#)
- ▶ [Home | Immunize.org](#)
- ▶ [Vaccine Education Center | Children's Hospital of Philadelphia](#)
- ▶ [Vaccination Recommendations by the AAP](#)
- ▶ [Immunizations & Vaccines | AAFP](#)
- ▶ [ACOG Releases Updated Maternal Immunization Guidance for COVID-19, Influenza, and RSV | ACOG](#)

# Resources

- ▶ [ACIP Recommendations Summary | Influenza \(Flu\) | CDC](#)
- ▶ [RSV Immunization Guidance for Infants and Young Children | RSV | CDC](#)
- ▶ [RSV Vaccine Guidance for Adults | RSV | CDC](#)
- ▶ [RSV Vaccine Guidance for Pregnant Women | RSV | CDC](#)
- ▶ [Respiratory Syncytial Virus \(RSV\) Prevention \(AAP\)](#)
- ▶ [Immunization Schedules | Vaccines & Immunizations | CDC](#)

# Laboratory Respiratory Surveillance in Iowa

Jeff Benfer, Molecular Biology Supervisor, SHL

# Overview

- ▶ All labs that do influenza testing throughout the state play an important role in influenza surveillance and the ability for the CDC to develop vaccine recommendations and detect novel flu strains and antiviral resistance.
- ▶ All labs that do any respiratory virus testing and report their results to the Respiratory Virus Survey are also contributing to national surveillance.
- ▶ The flu specimens that labs submit to SHL, we submit a strategic subsampling based on geographic distribution throughout the state of those specimens every two weeks for sequencing.



# Iowa Respiratory Surveillance Testing Guidance 2025/2026

► All labs please send to SHL:

Up to One flu positive and One Positive SARS-CoV 2 for PCR per week, per facility

► Note: sequencing results not reported back to submitting facility

► Contact Iowa HHS or SHL for guidance in the event of an ILI outbreak.

# SHL Influenza surveillance testing and sequencing serves the following purposes:

- ▶ Demonstrates predictive value and accuracy of other tests
- ▶ Novel virus detection and monitor for variants of interest or concern (high path avian H5 for example)
- ▶ Contribute samples check for antiviral resistance, vaccine strain selection and match to current vaccine
- ▶ Surveillance testing is provided at no cost and is partially supported by the Centers for Disease Control and Prevention

# Purpose of specimens submitted to SHL

- ▶ The goal for this is to have consistent low/moderate levels of specimen submission over the course of the entire respiratory season for subtyping and further characterization.
- ▶ Additionally, we are especially interested in flu positive patient specimens if unusual illness or exposure to animals. The goal/purpose of this is to potentially identify novel or increase virulence influenza viruses.

# For Flu Surveillance testing this year SHL will use:

- ▶ Hologic Flu/SC2/RSV PCR
- ▶ December 1 expected validation complete and go live
- ▶ Once the new test is live you will also see the RSV result added
  - If positive for Flu A they will be reflexed to Flu A subtyping (H3, H1, or possible variants)
  - If positive for Flu B they will be presumed Victoria since Yamagata is considered extinct

# Ordering collection kits

- ▶ Visit [www.shl.uiowa.edu](http://www.shl.uiowa.edu)
- ▶ Click “Order a test”
- ▶ Click “Order clinical kits”
- ▶ Complete form



# Specimen Collection

- ▶ Do not send specimens used for other testing because they may contain a lysis buffer that could react negatively.
- ▶ Validated Specimen Types:
  - Nasopharyngeal (NP) Swab
  - Nasal Swab

# Specimen Collection Continued

- ▶ Specimens for testing should be collected within three days of onset of symptoms.
- ▶ PCR is a very sensitive test and precautions should be taken to not cross-contaminate specimens.
- ▶ Wear gloves and change before and after collecting specimen.
- ▶ Avoid contact with environmental surfaces.
- ▶ Fold printed eForm/ Test Request Form in half and place in the side pocket of biohazard bag (not inside biohazard with specimen).
- ▶ Make sure the specimen tube contains two identifiers - name and DOB is enough.
- ▶ Send via the SHL courier or can mail in a styro container with ice pack.

# Iowa Respiratory Survey-Submitting Your Lab's Test Results

- ▶ Iowa Respiratory Virus Test Results - Clinical Laboratories
- ▶ Contact Kris Eveland at (319) 335-4279 or [Kristofer-eveland@uiowa.edu](mailto:Kristofer-eveland@uiowa.edu) if you are interested
- ▶ SHL will send you a link to the public survey
  - Each week, we'll send you the combined results from the previous week
- ▶ Benefit
  - Situational awareness - what's circulating in your local area
  - Data is used by Iowa HHS for the weekly respiratory virus report.
- ▶ We need more labs around the state for better geographic representation

# Iowa Respiratory Survey

Please give Iowa HHS permission to pass your weekly lab totals to NREVSS:

<https://redcap.link/iowa-nrevss>

Please allow Iowa HHS to share data with the National Respiratory and Enteric Virus Surveillance System (NREVSS)

If you have not already given us permission, please complete the survey at the link below to allow Iowa HHS to submit your survey data to the NREVSS or if you need to change your facility information.

<https://redcap.link/iowa-nrevss>

If you don't know whether you are a NREVSS facility you can check the list at

<https://www.cdc.gov/nrevss/php/participating-labs/index.html>

## Facility Information

Facility Name

\* must provide value

Start typing to enable auto-complete. Enter other if your facility isn't listed

County where your facility is located

\* must provide value

Start typing to enable auto-complete

Week for which you are reporting

\* must provide value

Name of Person Reporting Data

\* must provide value

Email of the person reporting

\* must provide value

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Health and  
Human Services



State Hygienic  
Laboratory

# Wastewater Surveillance Testing for Flu A, Flu B, and RSV

- ▶ [Wastewater Testing | State Hygienic Laboratory | The University of Iowa](#)
  - [Wastewater Testing Results | Wastewater Testing - State Hygienic Laboratory | The University of Iowa](#)
    - [SHL Wastewater WWTP Dashboard | Tableau Public](#)

# Laboratory Contact Information

Jeff Benfer, M.S., MB (ASCP)<sup>cm</sup>, Supervisor of Molecular Biology and Virology

[jeff-benfer@uiowa.edu](mailto:jeff-benfer@uiowa.edu)

P: 319-335-4276

F: 319-335-4555

Molecular section phone: 319-335-4376

SHL general phone: 319-335-4500

THANK YOU FOR PARTICIPATING!!!



# Questions



Health and  
Human Services

# Registration for the Rebroadcast

► Friday, November 14 10:00 AM

[https://www.zoomgov.com/webinar/register/WN\\_gmTtM6yzTtCwYpoTbhJblw](https://www.zoomgov.com/webinar/register/WN_gmTtM6yzTtCwYpoTbhJblw)