



**WISCONSIN DEPARTMENT**  
*of* **HEALTH SERVICES**

# **Wisconsin HAI Long-Term Care Education Series**

**June 22, 2023**

# Today's Agenda

Respiratory Outbreaks in Long-Term Care

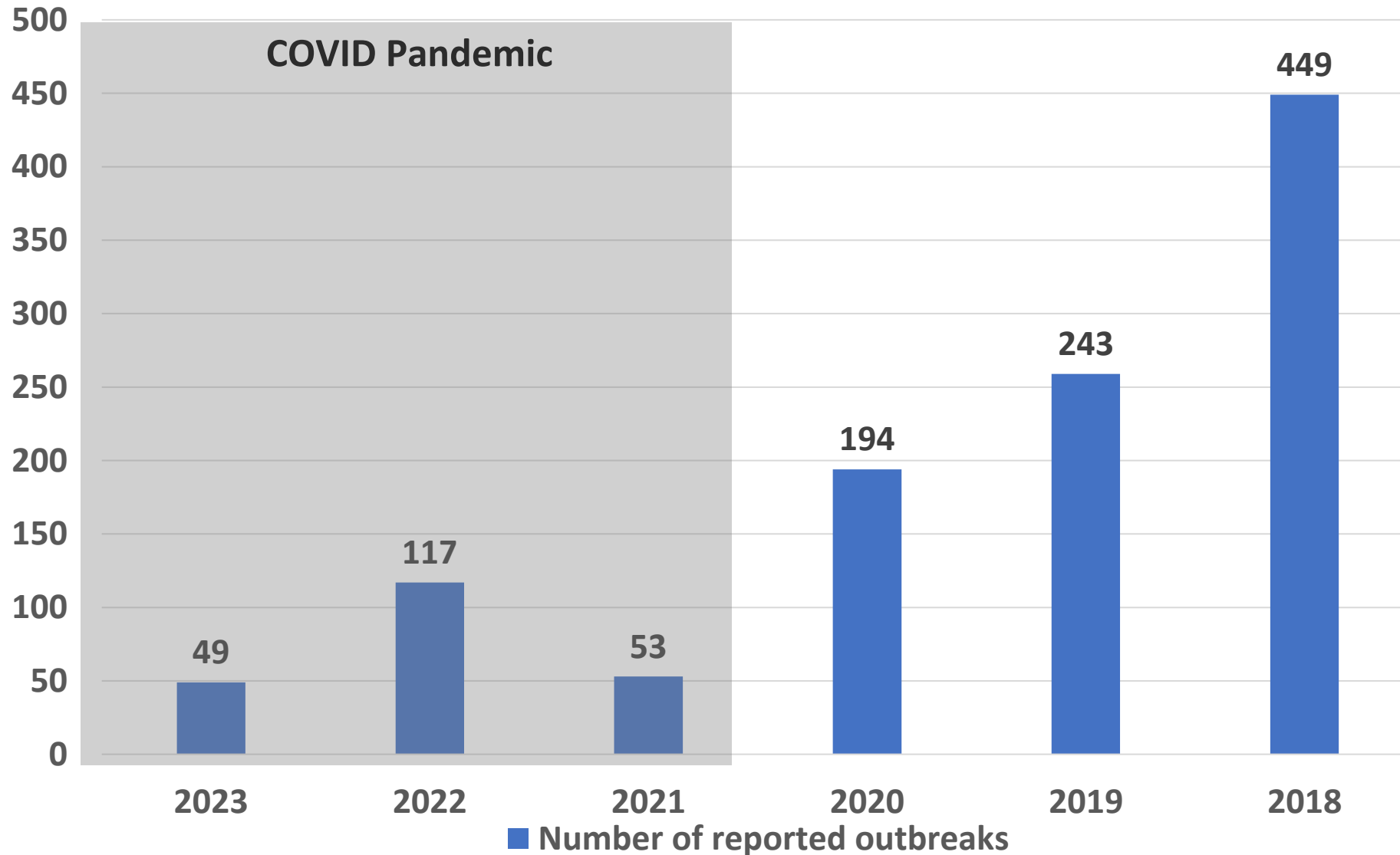
- **Tom Haupt, MS**, Research Scientist and Epidemiologist, Bureau of Communicable Diseases

# Respiratory Outbreaks in Long-Term Care

Thomas Haupt, MS  
Research Scientist/Epidemiologist  
June 22, 2023



# Non-COVID Respiratory Outbreaks in Long-Term Care Facilities (LTCFs), 2018–2023



# Non-COVID Respiratory Outbreaks in LTCFs, 2018–2023

	2018	2019	2020	2021	2022	2023 (as of June 13)
Adenovirus detected	1	0	0	0	0	0
hMPV detected	3	1	5	1	1	5
Influenza detected	273	100	92	3	40	11
Parainfluenza detected	4	2	0	5	3	3
Rhino/enterovirus detected	8	16	1	4	4	2
RSV detected	8	17	6	9	11	3
More than one pathogen detected	25	16	12	1	11	4
Other diagnosis or respiratory pathogen(s) detected	10	9	4	1	6	1
Missing data, not tested, or unknown	117	82	74	29	41	20
<b>Total (non-COVID-19) respiratory disease outbreaks</b>	<b>449</b>	<b>243</b>	<b>194</b>	<b>53</b>	<b>117</b>	<b>49</b>

# Respiratory Outbreaks in LTCFs

**Acute  
respiratory  
illness (ARI)**

**Outbreak  
definition**

**Notification**

**Response**

# Acute Respiratory Illness

Any two of the following symptoms:

- Fever ( $2^{\circ}\text{F}$  over baseline temperature)
- Cough
- Runny nose
- Sore throat
- Muscle aches
- Shortness of breath
- Low oxygen saturation



# Stipulations



- Symptoms do not need to be identical among residents
  - Difficulty communicating with residents
  - Co-infection with two or more viruses
- Pneumonia is not a symptom, it is a complication of an infection



# Outbreak Definition

- Three or more residents or staff with at least two ARI symptoms
- Onset of illness within 72 hours of each other
- Confined to certain area(s) of the facility
  - Wing
  - Floor



# Notification

Notify local or Tribal health department



Within 24 hours  
of identification



Etiology is not  
dependent

# Response

- Test symptomatic residents and staff
- Implement isolation precautions
- Begin treatment
- Consult with public health



# Testing

- Test at a private lab or the Wisconsin State Laboratory of Hygiene (WSLH)
  - Multiplex panel (17-19 viral targets)
  - Testing only for COVID-19 and flu is not recommended.
- Collect nasal swabs from up to three ill residents or staff when an outbreak of ARI is suspected.
  - Most recent illness onset
  - No more than five days after illness onset

# Testing at WSLH

**With DPH approval**, specimens can be submitted to WSLH for influenza/COVID-19 testing and multiplex respiratory pathogens panel testing.

- Upon approval from DPH an Enhanced Laboratory Requisition form will be e-mailed to the submitter from the WSLH.
- Courier service to the WSLH and testing will be done free of charge.

# Treatment, Isolation, and Precautions

- Based on test results
- Use of antivirals (influenza) or monoclonal antibodies (COVID-19)
- Vaccination
  - Influenza
  - RSV



# Isolation Precautions

## [CDC Isolation Guidelines](#)

	Droplet Precautions	Contact Precautions
Influenza	√	
RSV		√
Parainfluenza		√
Rhino/Enterovirus	√	
Coronavirus		√
Human Metapneumovirus		√
Adenovirus	√	√

# Consultation with Public Health

- Local public health nurse
  - Required notice of the outbreak
  - Infection control guidance (optional)
- Wisconsin Department of Health Services regional and specialty infection preventionists (optional)





# RSV Vaccine for Older Adults

- Prevention of lower respiratory tract disease in adults 60 years and older
- Two vaccines currently FDA approved
  - ABRYOVO™: Pfizer, bi-valent vaccine
  - AREXVY™: GSK, monovalent vaccine
- Awaiting Advisory Committee on Immunization Practices (ACIP) approval expected 6/21/2023

# Questions?

Email: [thomas.haupt@dhs.wisconsin.gov](mailto:thomas.haupt@dhs.wisconsin.gov)

# HAI Prevention Program Contact Information

HAI Prevention Program

[dhswhaipreventionprogram@dhs.wisconsin.gov](mailto:dhswhaipreventionprogram@dhs.wisconsin.gov)

608-267-7711

For additional visit our [contact information webpage](#).

# HAI Infection Prevention Education

HAI: Home

For Health Professionals

Basic Information

Antimicrobial Stewardship

**Infection Prevention Education**

Laboratories

Personal Protective Equipment

Precautions

Reportable Exposures

Reportable Multidrug-Resistant Organisms

Surgical Site Infection Prevention

Surveillance

## HAI Infection Prevention Education

The resources below are intended to connect health care facility infection preventionists (IP) with education materials to support their role in preventing, detecting, and responding to healthcare-associated infections.

IPs play an essential role in facility infection prevention policy development, surveillance, and risk assessment.

IPs serve as a resource to other staff and programs within their facilities.

In addition to the state in-person trainings and online references below, there are a number of links to trusted education resources, including the CDC (Centers for Disease Prevention and Control), the Centers for Medicare and Medicaid Services (CMS), and the Association for Professionals in Infection Control and Epidemiology (APIC).



The [IP Starter Kit](#) provides Infection Preventionists a brief background and resources for some of the many infection prevention-related responsibilities within health care facilities.

## Resources for infection preventionists Long-Term Care Education series

The long-term care (LTC) education series provides education presentations on topics that include infection prevention, HAIs, antibiotic stewardship, disease surveillance, and outbreak response for staff at skilled nursing facilities, assisted living facilities, local health departments, and other LTC stakeholders. Each session features a new, timely topic presented by the Department of Health Services (DHS) program staff, HAI Infection Preventionists, partner organizations, or other external subject matter experts.

View the [full library](#) of education sessions. **Note:** All 2021 and 2022 education sessions can be found by visiting the full library.

### Have a topic request?

Send topic ideas or requests that you have for the long-term care education series or the IP lunch and learn series to [DHSWIHAIPreventionProgram@dhs.wi.gov](mailto:DHSWIHAIPreventionProgram@dhs.wi.gov).

# **Upcoming LTC Education Session**

**There will be not be an LTC education session in July.**

**The LTC Education Series will resume in August!**