

Infection Prevention Updates for Acute Care & Outpatient Settings

November 8, 2023

NEBRASKA

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DEPT. OF HEALTH AND HUMAN SERVICES



NEBRASKA INFECTION CONTROL ASSESSMENT AND PROMOTION PROGRAM

Presenters & Panelists & Moderator

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Moderator today:

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Questions & Answer Session

- Please use the Q&A box in the webinar platform to type a question to be read aloud.
 - If your question is not answered during the webinar, please call (402) 552-2881 Monday – Friday 8:00 am – 4:00 pm CST to speak with one of our Infection Preventionists or e-mail your question to nebraskaicap@nebraskamed.com

Slides & Webinar Recordings Available

- During this webinar, slides are available on the [NE ICAP Acute Care webpage](#)
- Visit the [NE ICAP Past Webinars and Slides webpage](#)
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Past Webinars and Slides

[Acute Care and Outpatient Setting Webinars](#)

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1.0 Nursing Contact Hour is awarded for the LIVE viewing of this webinar

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In order to obtain either contact hour, you must be present for the entire live webinar and complete the post webinar survey

No conflicts of interest were identified for any member of the planning committee, presenters or panelists of the program content

This CE is hosted by Nebraska Medicine and UNMC along with Nebraska ICAP and Nebraska DHHS

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The accredited provider has mitigated and is disclosing identified relevant financial relationships for the following faculty planners, and others in control of content prior to assuming their roles:

The faculty have nothing to disclose:

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Juan Teran Plasencia, MD

The planning committee members have nothing to disclose:

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Kate Tyner, RN, BSN, CIC;

Jody Scebold, EdD, MSN, RN, CIC

Margaret Deacy

Josette McConville, BSN, RN, CIC

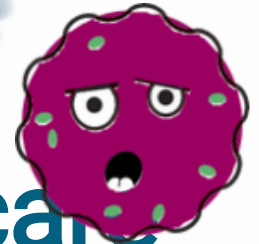
Chris Cashatt, RN, BSN, CIC

Sarah Stream, MPH, CDA, FADAA

Jenna Preusker, Pharm.D., BCPS

Lacey Pavlovsky, MSN, RN, CIC, LTC-CIP

Norovirus Outbreaks in Healthcare Facilities



Brianna Loeck, MPH
Enteric Surveillance Epidemiologist
Nebraska Department of Health and Human Services

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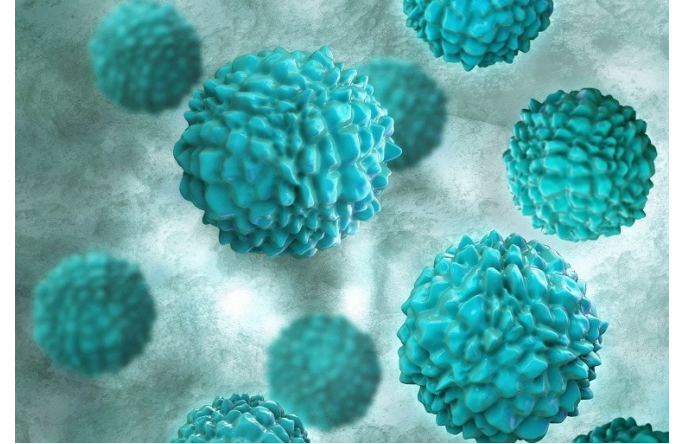
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Norovirus

- Most common cause of enteric illness
- Formerly known as:
 - Norwalk-like virus
 - Norwalk virus
 - Winter Vomiting Disease
 - Stomach flu
- Norwalk was named after an outbreak of gastroenteritis in a school in Norwalk, Ohio in 1968.



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Clinical Picture

- Common symptoms:
 - Diarrhea
 - Vomiting
 - Nausea
 - Stomach pain
 - Fever
- Incubation period is usually 12 to 48 hours after being exposed
- Duration of illness is usually 12 – 72 hours (1-3 days)
- Self-limiting (treat with fluids to prevent dehydration and rest)
- More severe outcomes (including hospitalization and/or death) are common among young children and the elderly

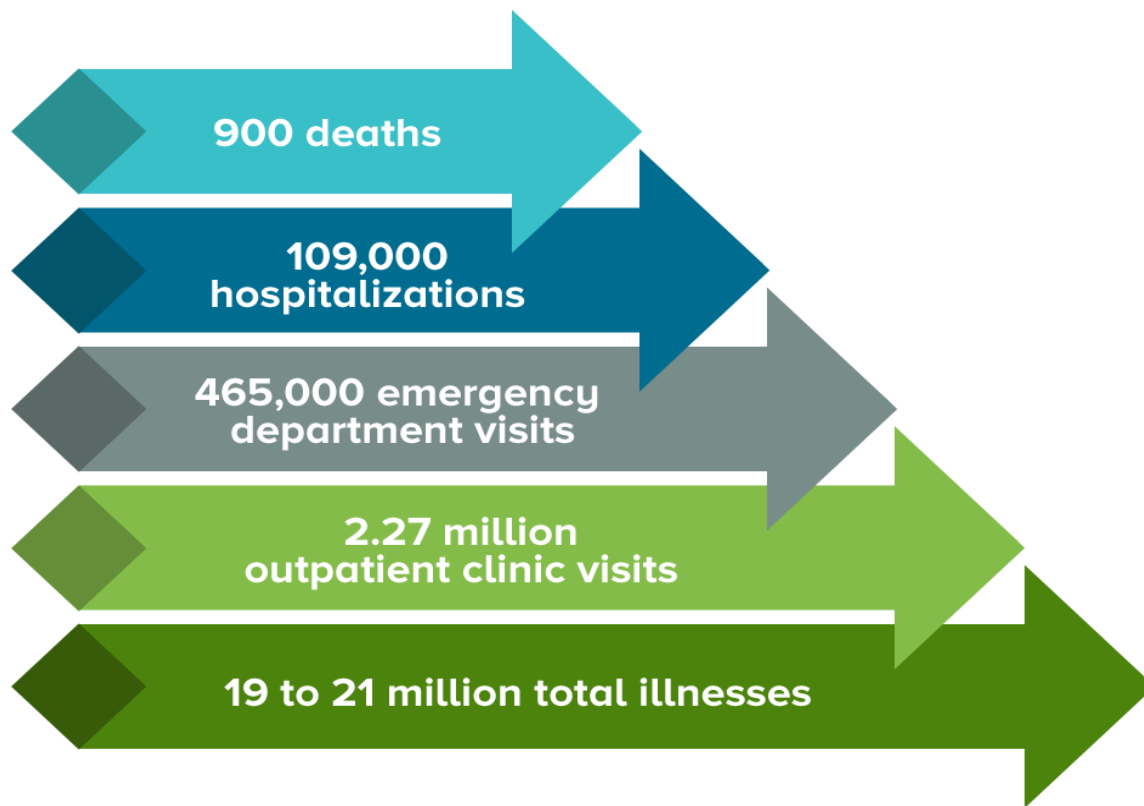
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Burden of Norovirus in the U.S.



<https://www.cdc.gov/norovirus/burden.html>

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Transmission

- Primary spread by fecal-oral route
 - Airborne transmission has been documented
- People with norovirus shed billions of virus particles in their stool and vomit
 - Only 10 viral particles make someone else sick!
- People can get infected by:
 - Caring for, or sharing food, drinks, or eating utensils with an infected person
 - Touching contaminated surfaces or objects then putting fingers in mouth
 - Eating food or drinking liquids contaminated with norovirus
 - Having direct contact with someone infected with norovirus

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Viral Shedding

- The virus is shed in stool and vomitus
- Shedding may begin up to 24 hours before symptoms appear
- Peak shedding is ~4 days after exposure (this is usually after symptoms have resolved)
- Shedding occurs for at least 2-3 weeks

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Seasonality

- ▶ You can get norovirus at any time during the year.
- ▶ Most norovirus outbreaks in the U.S. happen from November to April.
- ▶ In years when there is a new strain of the virus, there can be 50% more norovirus illness.
 - You can get norovirus more than once!

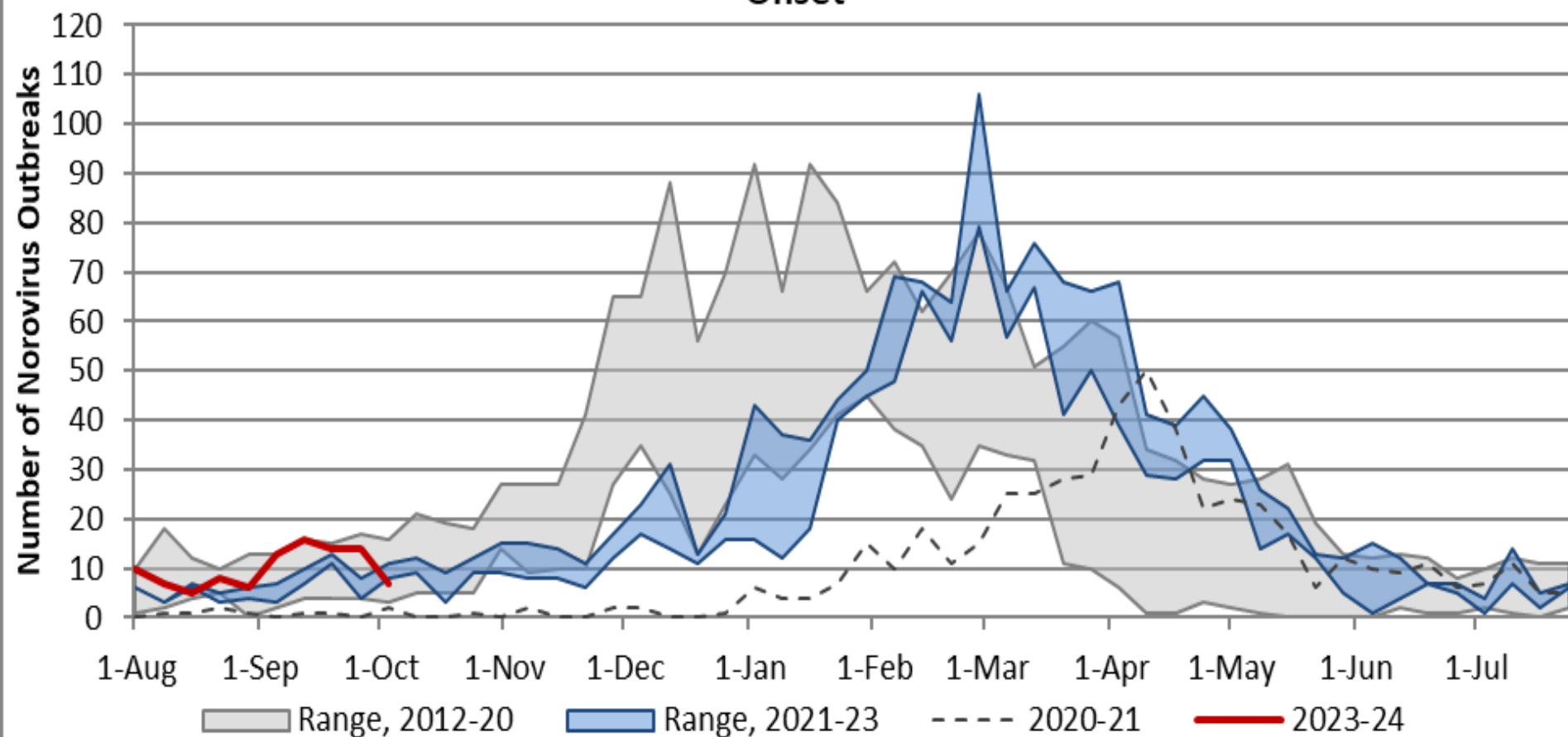
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Number of Norovirus Outbreaks Reported to NORS by Month of Outbreak Onset



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What is a Norovirus Outbreak?

“An occurrence of two or more similar illnesses resulting from a common exposure that is either suspected or laboratory-confirmed to be caused by norovirus” - CDC

Example: Two residents with symptoms of vomiting and/or diarrhea, who reside on the same wing and whose onset of illness is within two days.

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Common Norovirus Outbreak Settings

➤ Healthcare Facilities



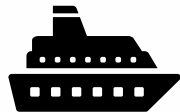
➤ Restaurants and Catered Events



➤ Schools and Childcare Centers



➤ Cruise Ships



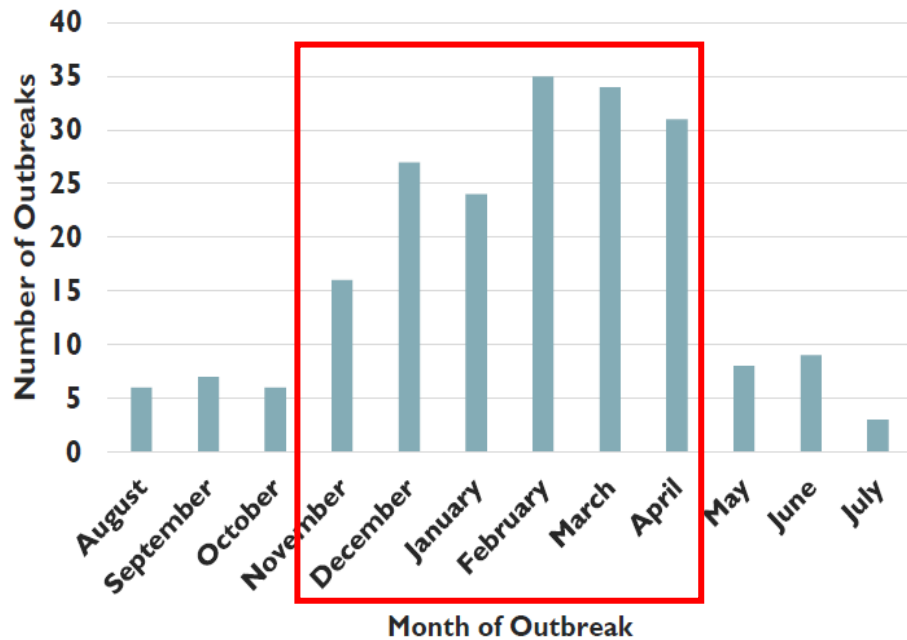
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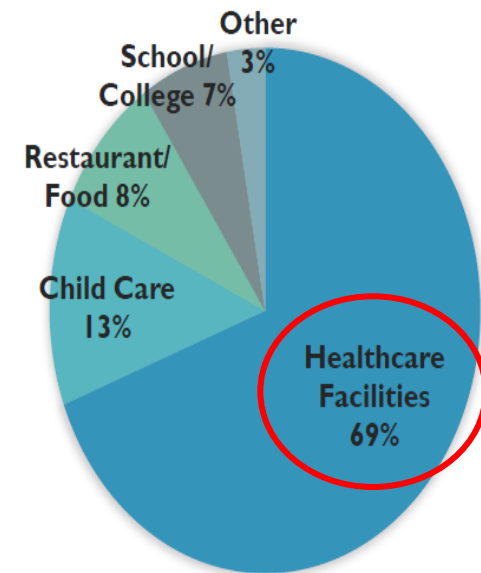
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Norovirus Outbreaks Reported, Nebraska, 2017 - 2022



Norovirus Outbreaks by Setting, Nebraska, 2017 - 2022



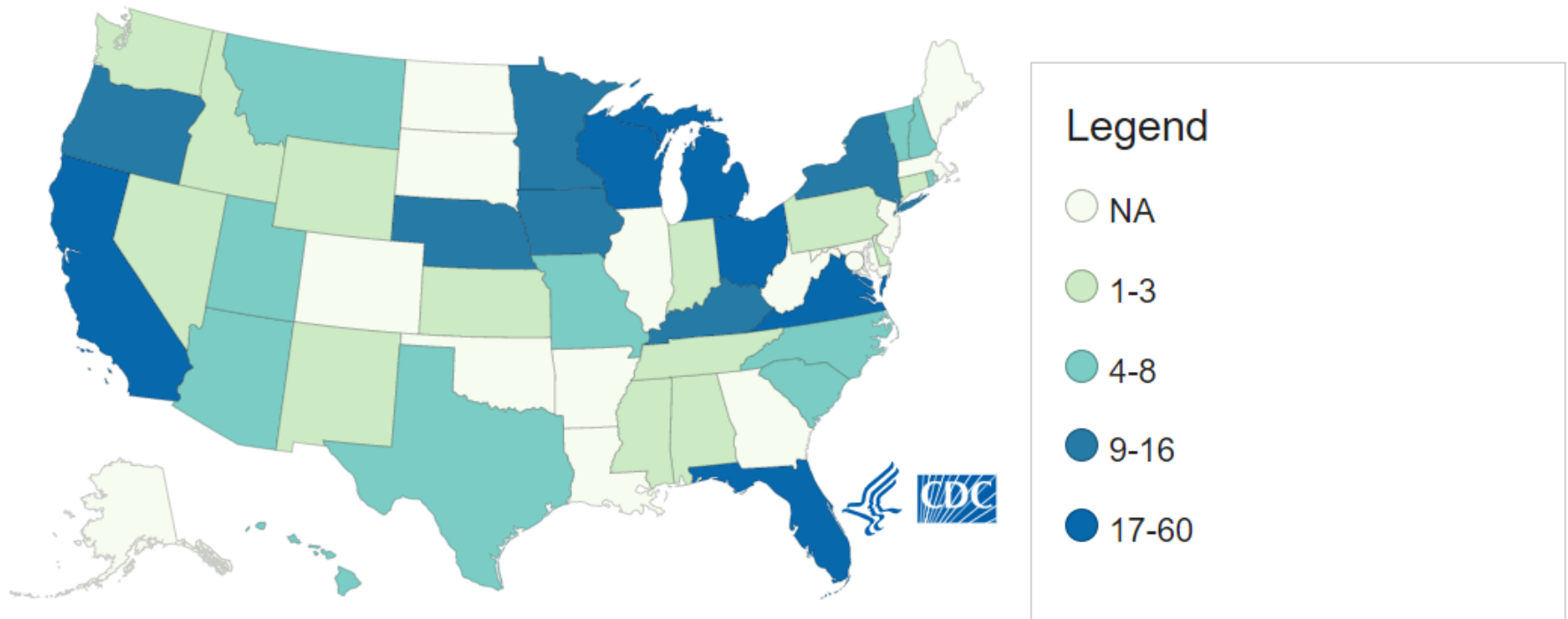
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Number of Confirmed Norovirus Outbreaks Submitted to CaliciNet by State

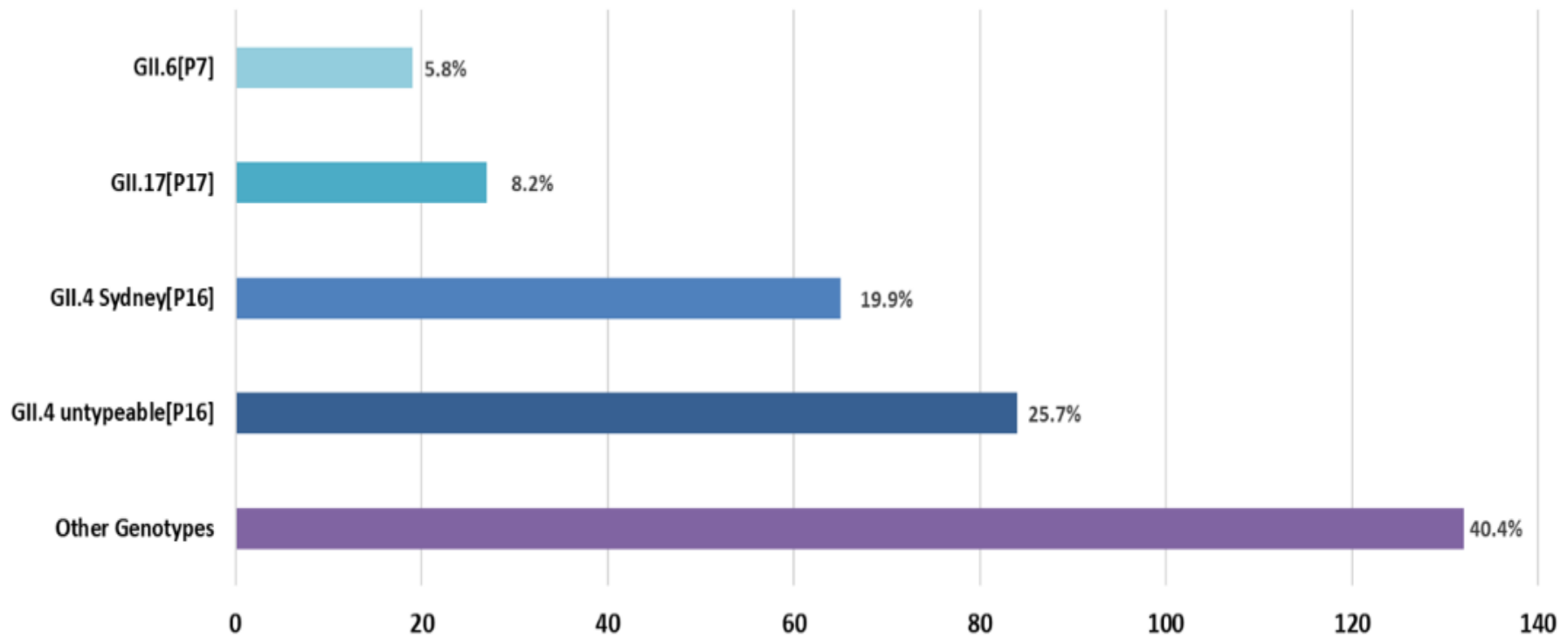
September 1, 2022 – September 31, 2023



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Genotype Distribution of Norovirus Outbreaks

September 1, 2022 – September 31, 2023 (n=327)



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Norovirus Outbreak Toolkit

General toolkit for healthcare facilities such as:
long-term care, acute care, assisted living, nursing
homes, skilled nursing, retirement, hospital,
memory care.

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Foodborne Illness

The Nebraska Department of Health and Human Services (DHHS) monitors foodborne illness cases and outbreaks across the state of Nebraska through the use of a public health surveillance system.

DHHS collaborates with many partners such as hospitals, clinics, laboratories, local, state, and federal partners to detect, investigate, control, and report foodborne disease cases and outbreaks.

**Report A Foodborne
Illness**

**What Are Foodborne
Illnesses?**

**Foodborne Illness
Prevention**

Fact Sheets

**Resources For
Healthcare Facilities**

**Resources For
Schools/Childcare**

<https://dhhs.ne.gov/Pages/Foodborne-Illness.aspx>





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Foodborne Illness Resources For Healthcare Facilities

Outbreak Resources


- [Norovirus Outbreak Toolkit for Healthcare Facilities](#) 
- [GI Illness Report Form - Healthcare Facilities](#) 
- [EPA Approved Norovirus Disinfectants](#) 
- [Exclusion Criteria Cheat Sheet for Enteric Diseases](#) 

[Norovirus Outbreak Toolkit for Healthcare \(ne.gov\)](#)

Fact Sheets & Flyers

- [General Hand Washing Poster](#) 
- [Protect Our Residents Sign](#) 
- [Norovirus fact sheet](#) 
- [Norovirus in Healthcare Facilities](#) 
- [Key Infection Control Recommendations](#) 

Additional Assistance & Contacts

- [Nebraska Infection Control Assessment and Prevention Program \(ICAP\)](#)  is available for general questions regarding infection control in your facility. **402-552-2881**

Any questions?
DHHS.enterics@nebraska.gov



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Past Webinars and Slides

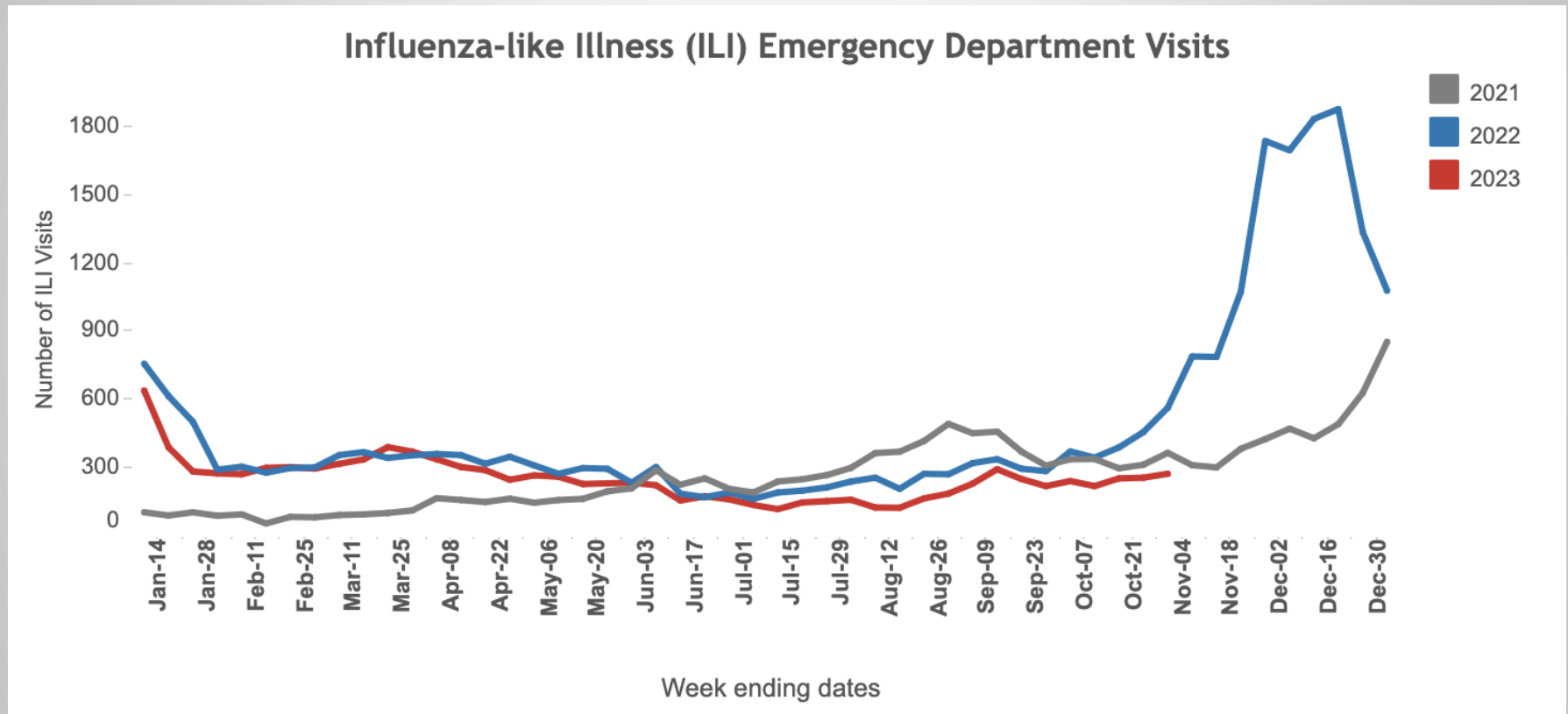
[Acute Care and Outpatient Setting Webinars](#)

Respiratory Season Update

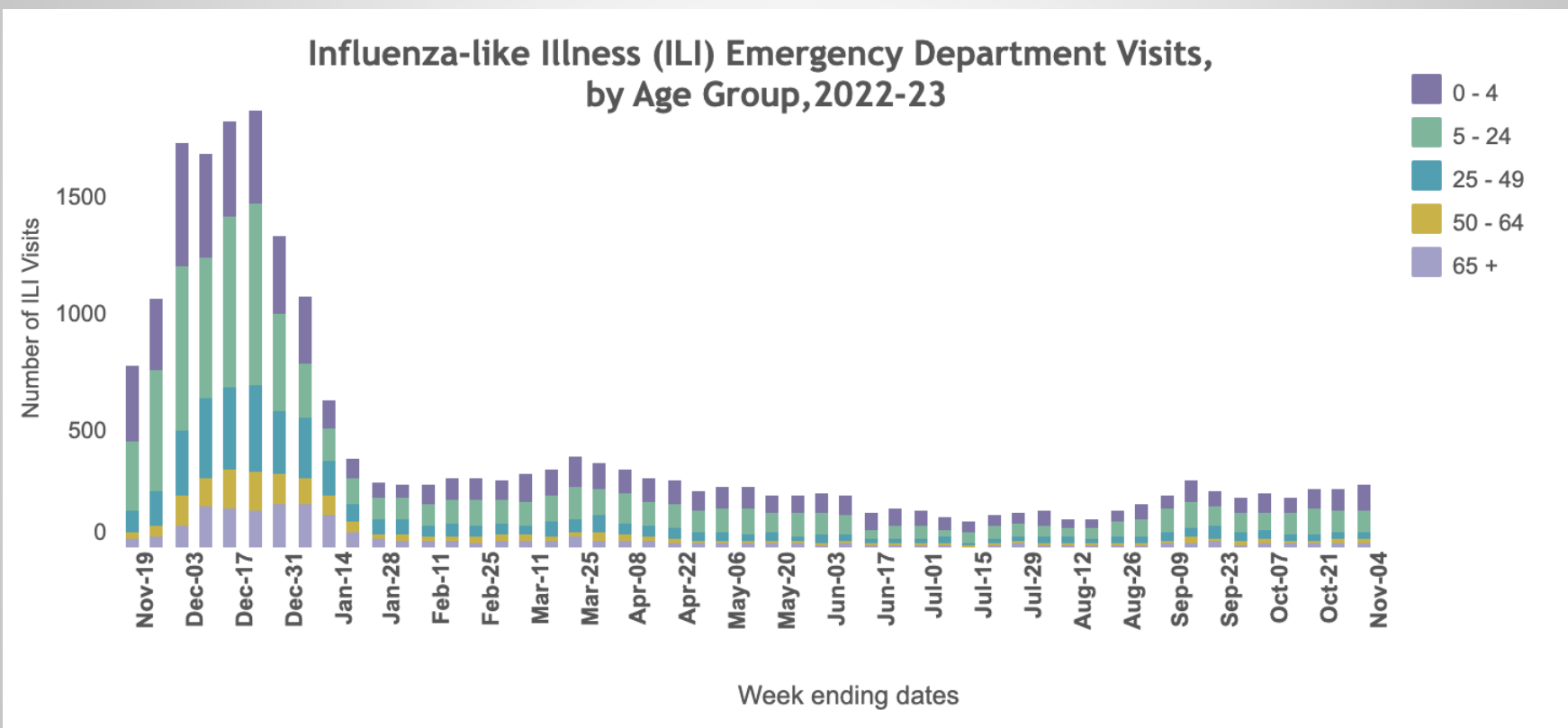
Juan Teran, MD
Medical Director, NE ICAP



Influenza-like Illness (ILI) report



ILI Emergency Visits By Age Group



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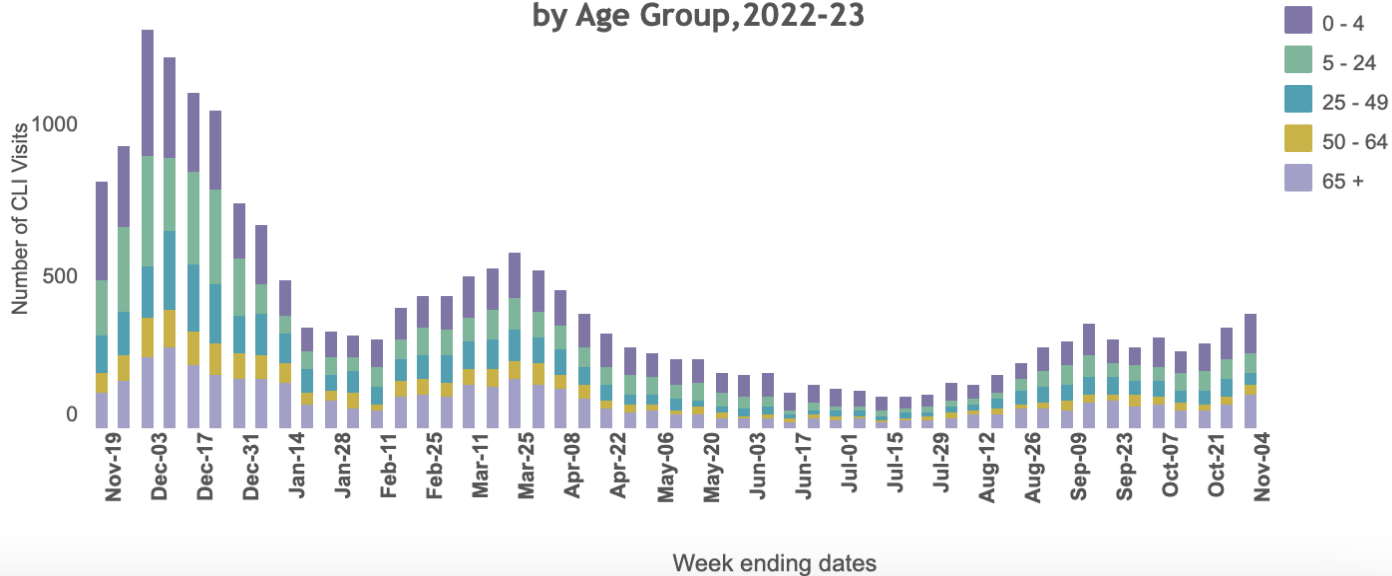
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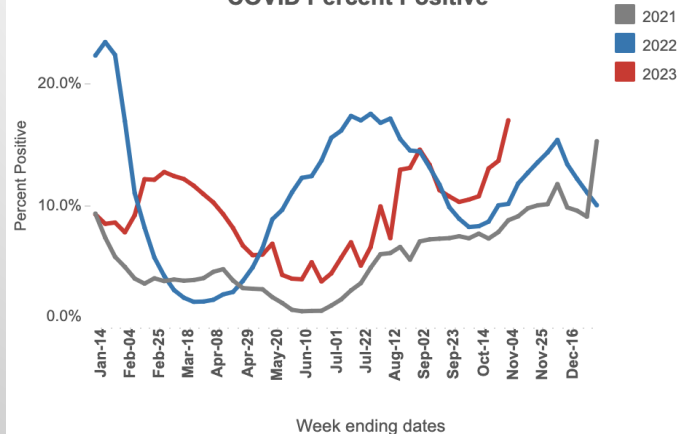


NE DHHS COVID Data

COVID-like Illness (CLI) Emergency Department Visits,
by Age Group, 2022-23

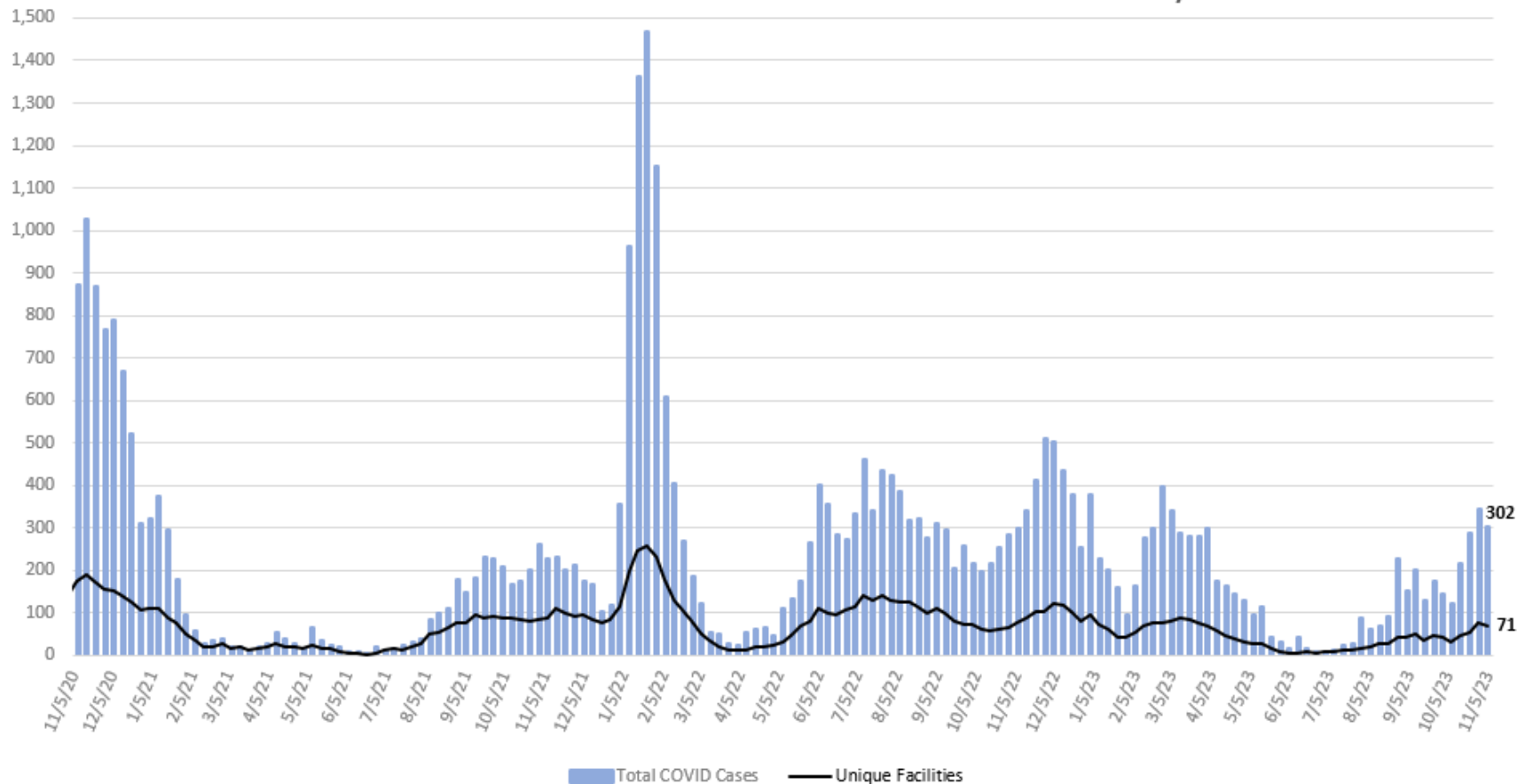


COVID Percent Positive



COVID Cases Long Term Care

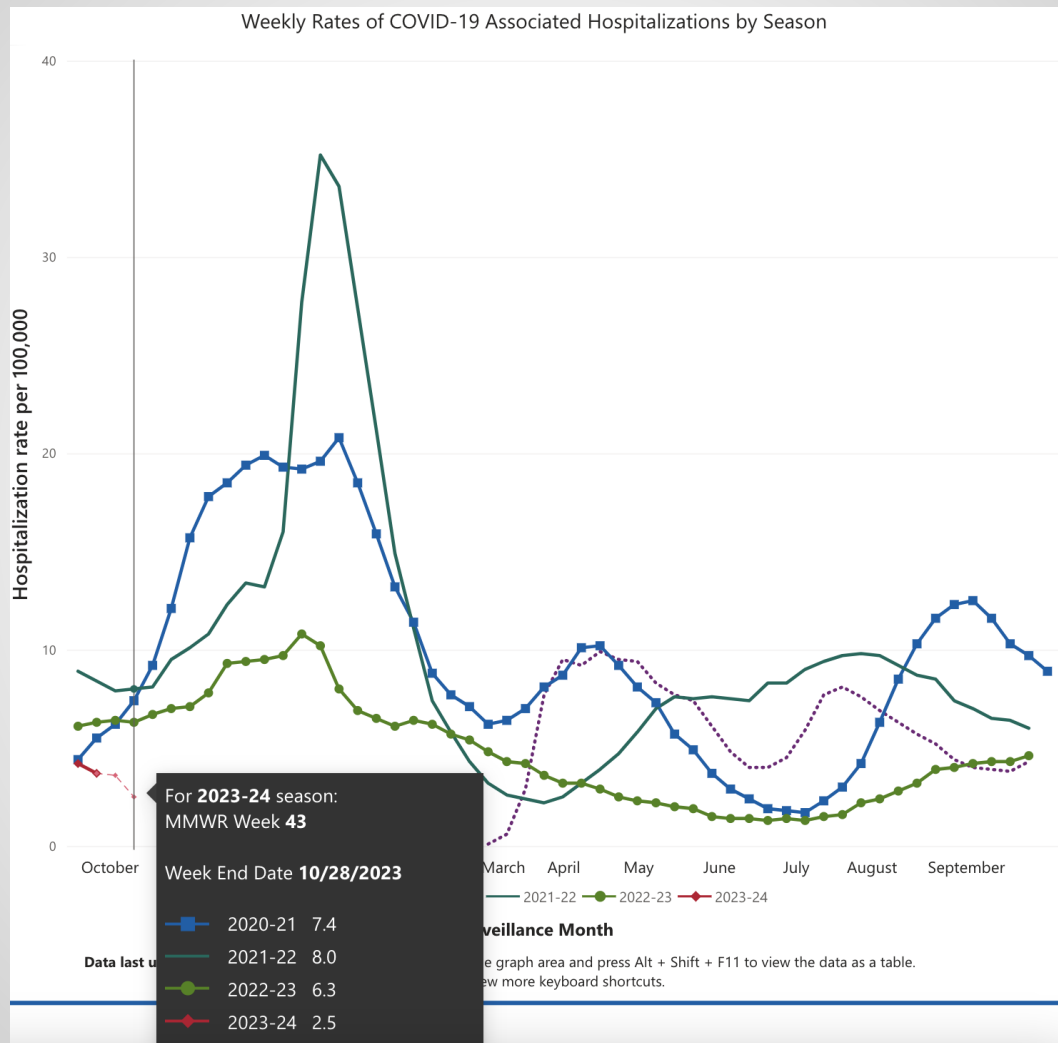
Nebraska LTC Resident & Staff COVID Cases & Facilities by Week



Source: Unofficial Counts Compiled by Nebraska ICAP based on data reported by facilities and DHHS; Actual Numbers may vary slightly

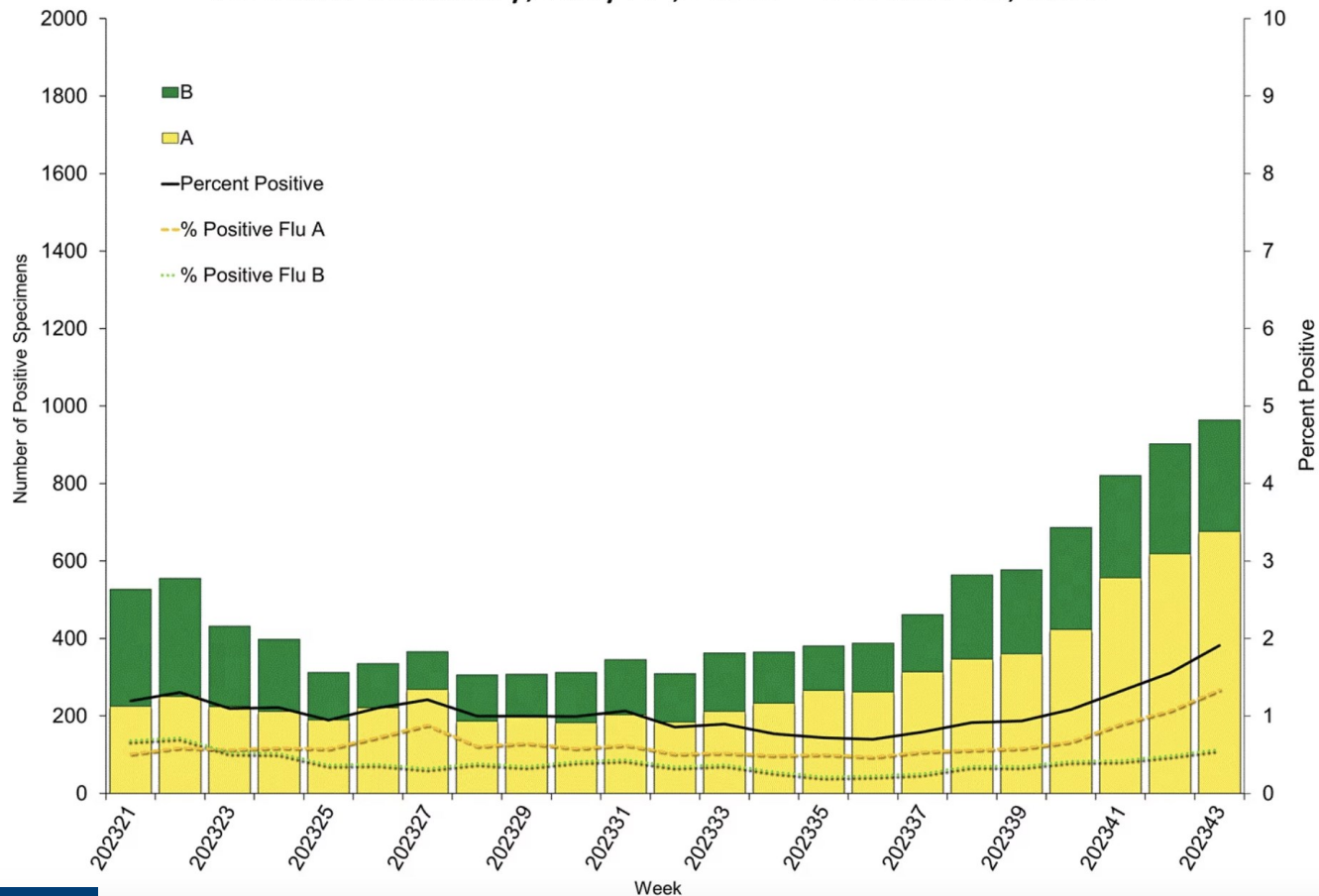


COVID Rate of Hospitalizations US

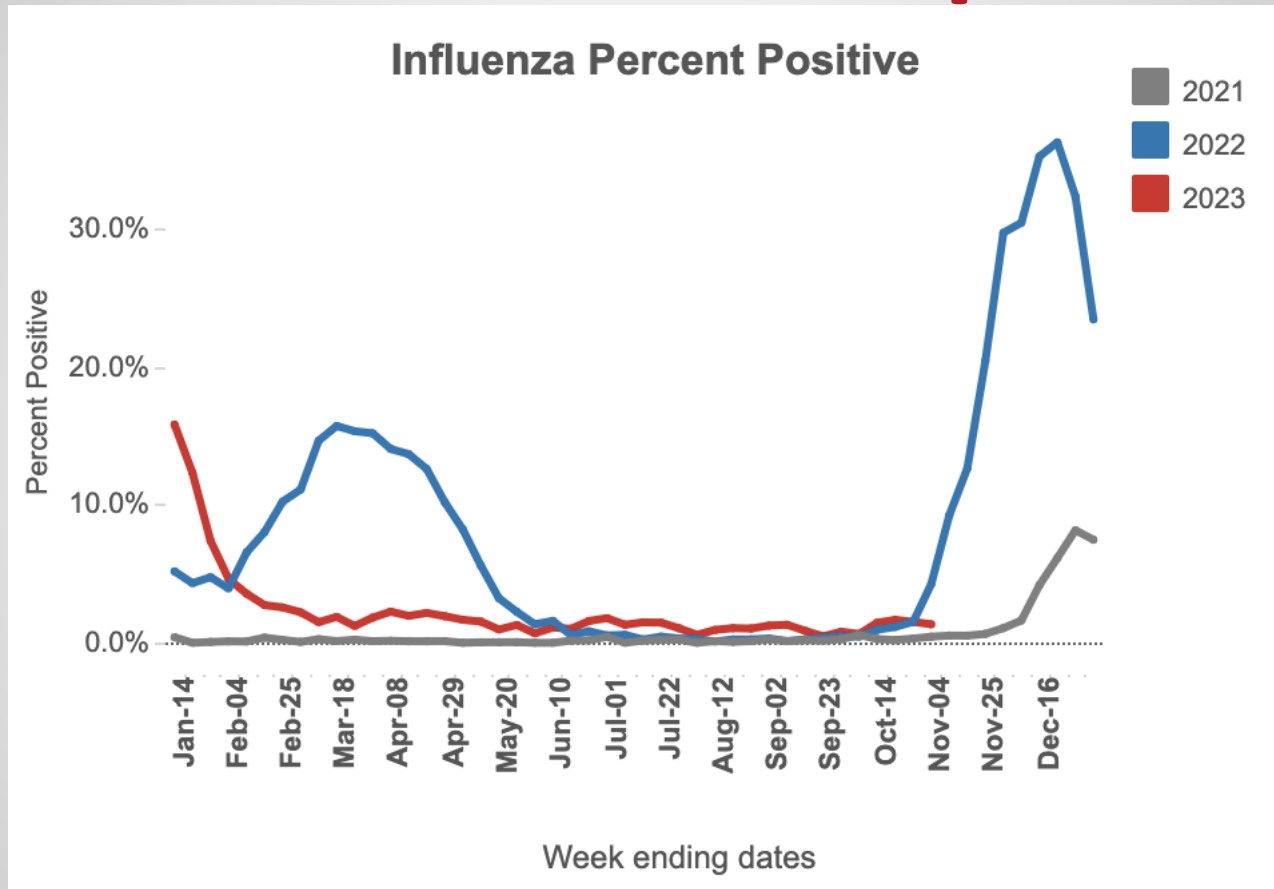


Influenza Report CDC

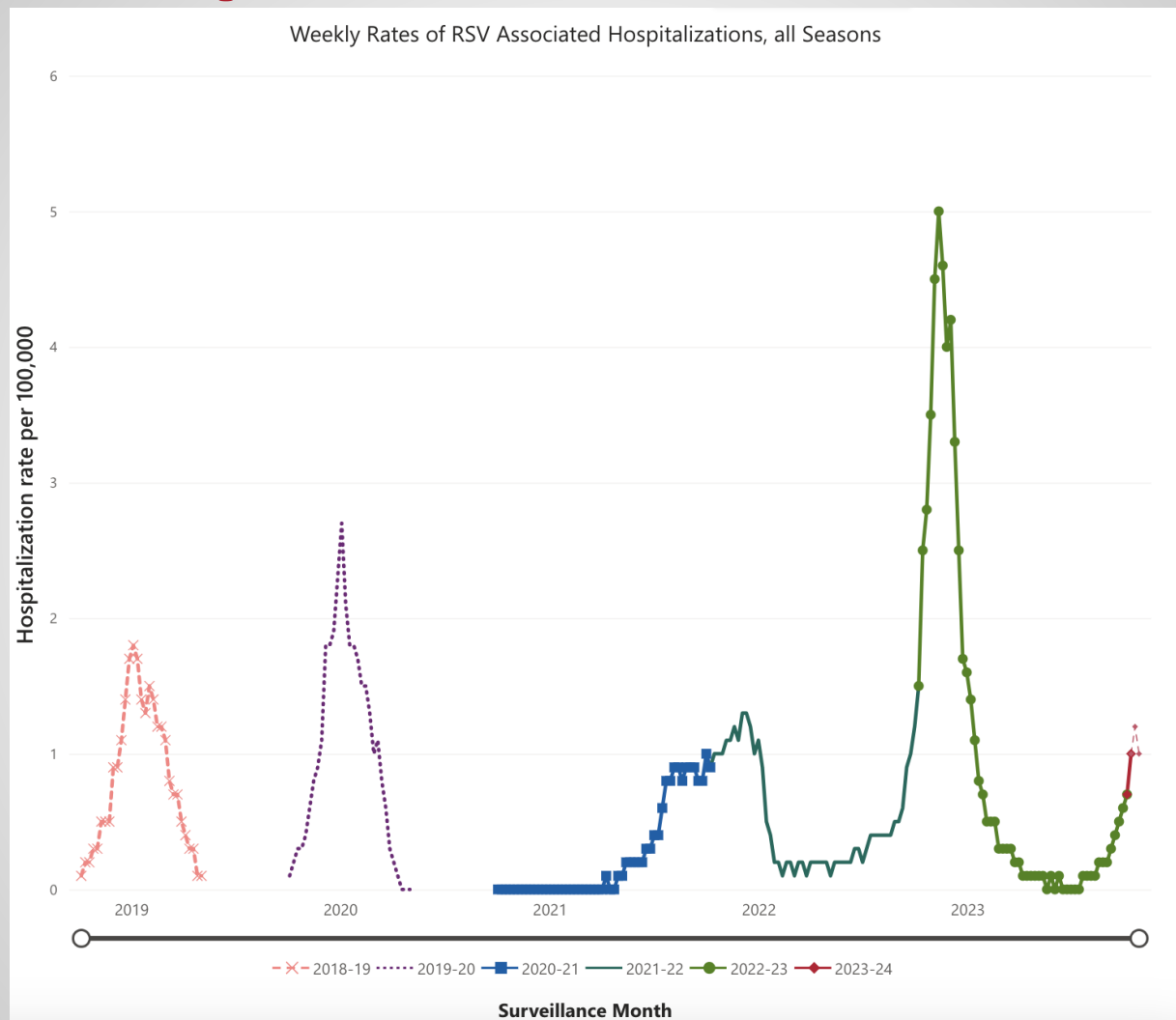
Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories,
National Summary, May 21, 2023 – October 28, 2023



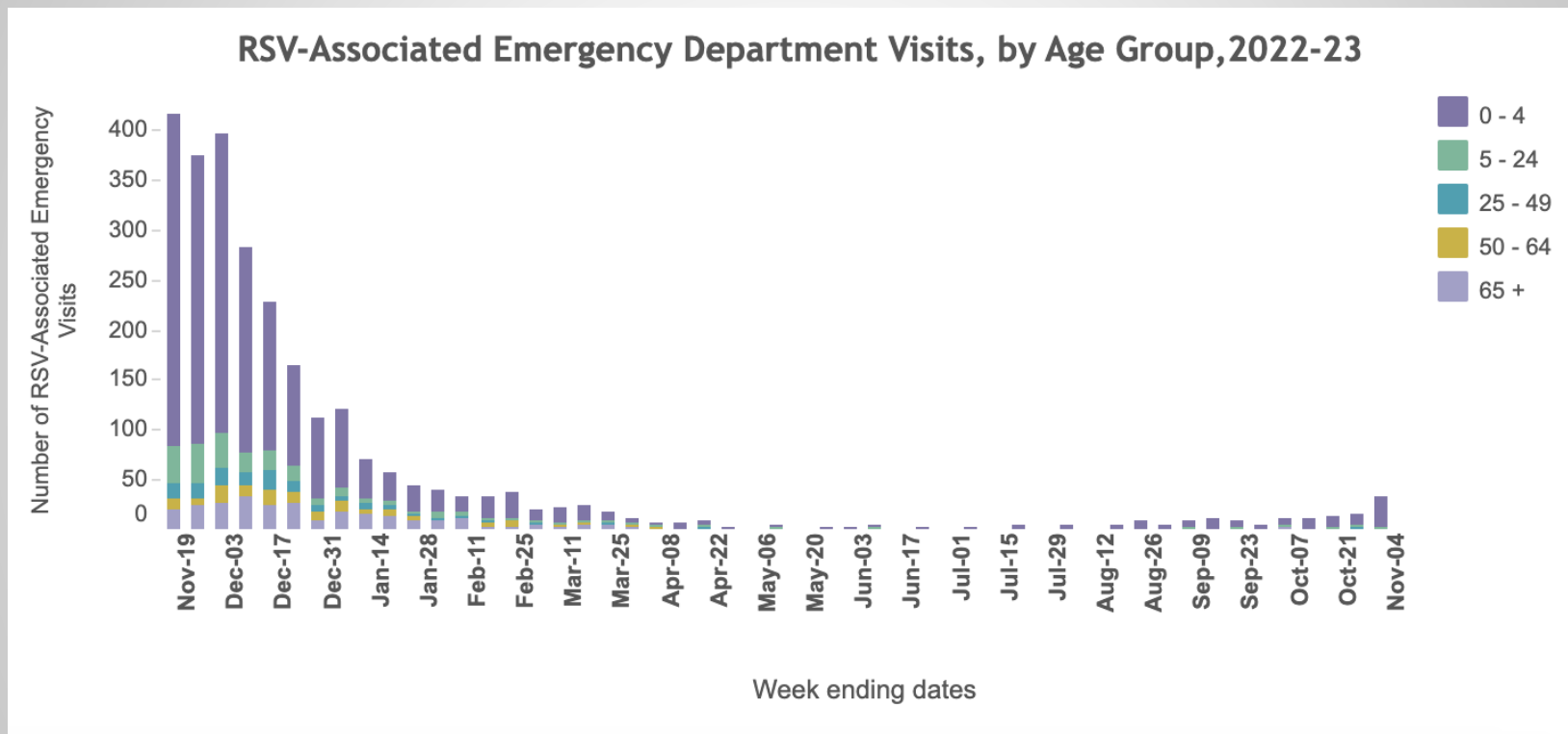
Influenza NE DHHS report



RSV Hospitalization Rate US



RSV ER Visits By Age Group



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Upcoming Educational Opportunities

Kate Tyner, RN, BSN, CIC
Infection Prevention Nurse Supervisor,
NE ICAP



Join Us on Upcoming Webinars

- **December 13, 2023**
 - Novel MDRO Containment
 - By the NE DHHS HAI/AR Program
- **January 10, 2024**
 - To Be Determined



- If you have suggestions for future webinar topics or would like to learn more about a topic one on one, please contact us with your request by calling at 402.552.2881 or email nebraskaICAP@nebraskamed.com. You can also include them in the continuing education (CE) survey.

[Image Courtesy of CDC](#)

Continuing Education Event:

Quality Control in Sterile Processing:
The Role of Chemical and Biological Indicators

Course Description: Learn how the use of chemical and biological indicators play a role in a comprehensive quality control program in Sterile Processing

Date: November 29th, 2023

Time: 12:00-1:00 pm (CT)

Location: Live via Zoom

https://unmc.zoom.us/webinar/register/WN_DMCSyD04QleDeik9B6Wdbg

This activity has been submitted to the Midwest Multistate Division for approval to award contact hours. The Midwest Multistate Division is accredited as an approver of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation



For more information regarding contact hours, please call Candi Kennedy 402-552-2572 or email at cakennedy@nebraskamed.com

Inpatient Dialysis Assessments



INJECTION PRACTICES

AUDIT IPC PRACTICES

HAND HYGIENE



MEDICATION PREP

PPE USE



FISTULA/GRAFT ACCESS

CATHETER ACCESS



DIALYSIS SITE CARE

CLEANING & DISINFECTION

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ICAP Contact Information

Call 402-552-2881

Office Hours are Monday – Friday

8:00 AM - 4:00 PM Central Time

Weekends and Holidays 8:00-4:00

On-call hours are available for emergencies only

Scan the QR Code to be taken to
our [NE ICAP Contact Form](#).

You can request to be connected to an
Infection Preventionist that specializes in your area,
get added to our setting specific communication list
for webinar and training invites,
sign up for newsletters and reminders,
or request an ICAR review for your facility.



Webinar CE Process

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CNE Nursing Contact Hours:

- ✓ Completion of survey is required.
 - The survey must be specific to the individual obtaining credit (i.e.: 2 people cannot be listed on the same survey)
 - Survey functionality is lost on mobile devices
- ✓ One certificate is issued quarterly for all webinars attended
 - Certificate comes directly from ICAP via email