

**Utah Infection Prevention Solutions**

# Infection Prevention Learning Collaborative

## Putting it into Practice— Session 7:

### Enhancing Enhanced Barrier Precautions: Simplifying the “What” and “How”

Presented on Wednesday, September 6, 2023, by:

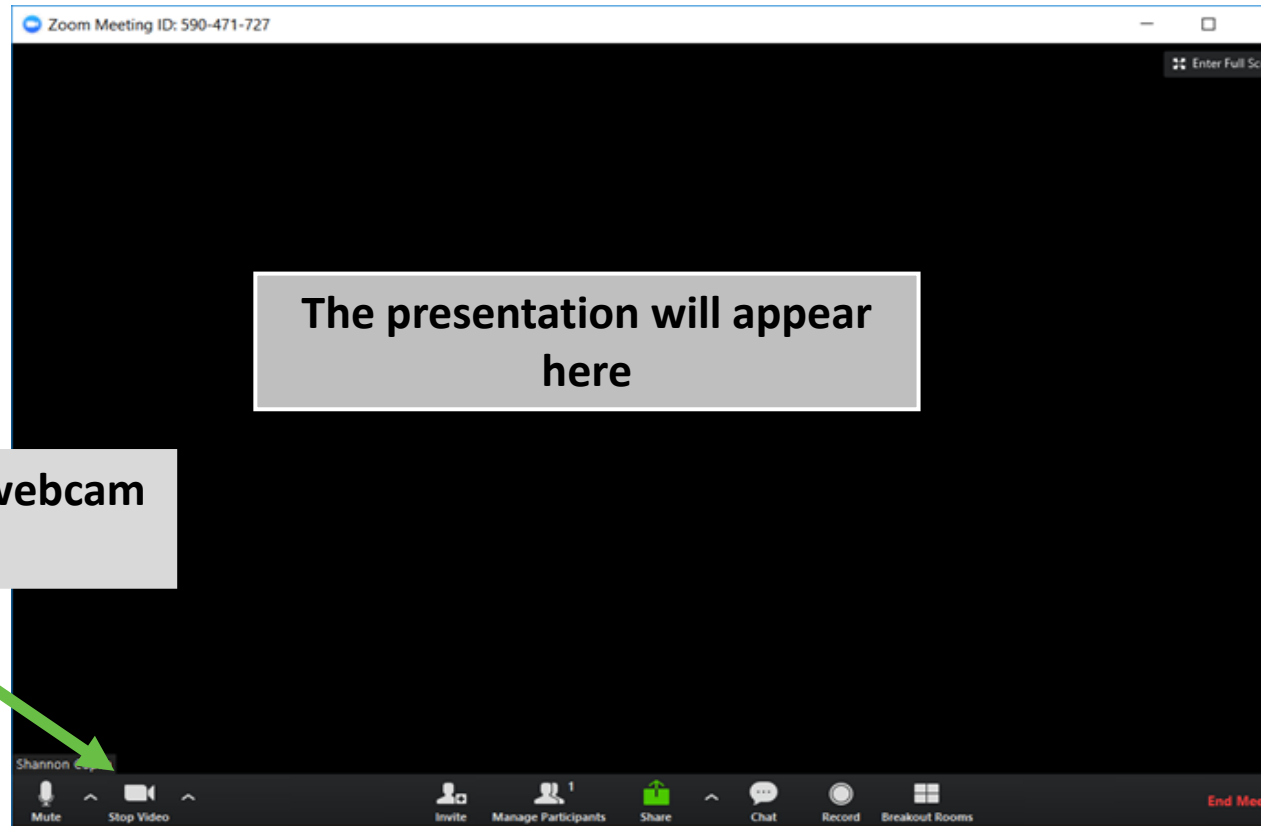
Jen Roeder, RN, MSN, CIC; Nurse Infection Prevention Consultant

Violet Brown, BS, CHES; Improvement Advisor

Kaylie Pickup; Associate Improvement Advisor



# Zoom Attendee Controls



Please turn on your webcam if accessible

The presentation will appear here

Mute here when not speaking

For comments or questions, use chat or raise your hand

For phone participants:  
\*6 to mute/un-mute

1. Click "Join Audio"
2. Identify Participant ID
3. On the phone keypad, dial:  
*#[Participant ID]#*  
*Example: #49#*

Please download the latest Zoom update

# UT ECHO Resource Sharing via Padlet

- What is Padlet?
  - A virtual post-it wall for sharing resources and building community
- UT Infection Prevention Padlet
  - Resources will be shared bi-monthly in relation to our ECHO Infection Prevention topics
  - Access Roundtable Case Submission form
  - No log-in required!



Scan here to access UT Infection Prevention Learning Collaborative - ECHO Padlet



# Announcements

## UT IP ECHO Learning Collaborative Schedule Change

- **September 13th** (2<sup>nd</sup> Wednesday of the month)
- Session 8: Giving It Your Best Shot, Safely: Ensuring safe injection and POC testing practices

## Utah APIC Chapter Annual Infection and Control Conference

- **September 20<sup>th</sup>** at Thanksgiving Point
- Register: <https://www.eventbrite.com/e/apic-utah-132-conference-tickets-616705190827?aff=eand>

## The Power of Clean: Environmental Cleaning Workshop

- **Oct. 12, 2023**, Hilton Garden Inn, **St. George, Utah** [Register](#)
- **Oct. 27, 2023**, Hilton Garden Inn, near **Salt Lake City Airport** [Register](#)

*\*Travel reimbursement is available for rural areas (limited availability; first-come, first-serve basis. Limited to two staff per rural LTCF-100+ miles from nearest workshop location).*

# Introductions



Name, pronouns, location, role



What is your favorite thing about your job and why?

# Extension for Community Health Care Outcomes (ECHO<sup>®</sup>)

**Comagine**  
Health

 Utah Department of  
**Health & Human Services**  
Population Health



# Agenda

Announcements  
and community-  
building exercises  
(10 min)

Flash talk on  
infection prevention  
and control  
(15 min)

Roundtable  
discussion  
(15 min)

Q&A, wrap-up  
(10 min)

# What to expect

## What ECHO is:

- Interactive
- Guided practice using real situations
- Collaborative peer-to-peer support
- Safe space to share
- Level playing field
- All teach, all learn

## What ECHO isn't:

- Webinar
- Top-down communication



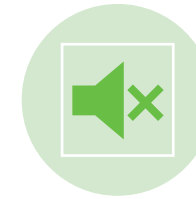
# Creating the Culture



ECHO is an all-teach, all-learn platform. Your ideas, questions and answers matter!



If accessible, please turn on your cameras



Remain on mute unless speaking



It is okay to disagree, but please do so respectfully



Do not disclose protected health information (PHI) or personally identifiable information (PII)



Love, respect, kindness, empathy and \*fun\*!

# Flash Talk

**Comagine**  
Health



Utah Department of  
**Health & Human Services**  
Population Health

# Purpose of Flash Talk



Short 10-15 min presentations

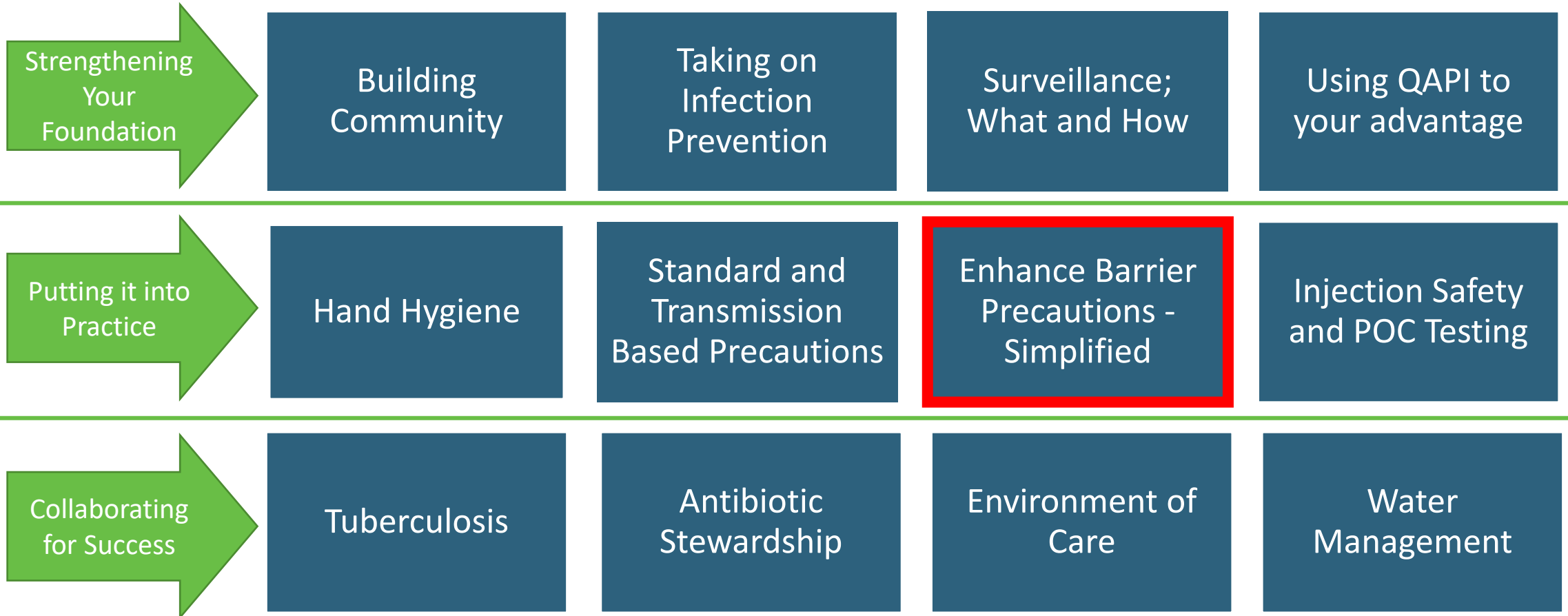


Provide real-life insight, ideas, resources and tools



Summarize and/or simplify current recommendations

# Utah Infection Prevention Learning Collaborative (ECHO) 2023 Curriculum



# Learning Objectives

Upon the completion of this session, participants will be able to:



Describe which residents enhanced barrier precautions applies to.



Identify the situations in which personal protective equipment must be worn with residents in enhanced barrier precautions.



Distinguish the instances in which enhanced barrier precautions versus contact precautions are used.

# IPC Practices of Standard Precautions



PPE



Respiratory Hygiene &  
Cough Etiquette



Hand Hygiene



Environmental Cleaning  
& Disinfection

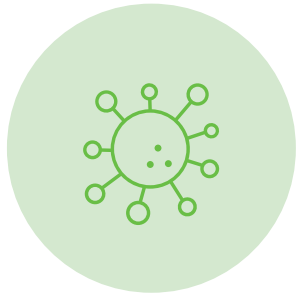


Injection Safety



Reprocessing of  
Reusable Resident Care  
Equipment/Devices

# Enhanced Barrier Precautions - Application



Infection or colonization with a multidrug-resistant organism (MDRO)



Does not have another infection or condition that requires contact precautions



Wounds regardless of MDRO colonization/infection status



Indwelling medical devices regardless of MDRO colonization/infection status

# MDROs Targeted by CDC

Pan-resistant organisms

Carbapenemase-producing carbapenem-resistant Enterobacterales (CRE)

Carbapenemase-producing carbapenem-resistant *Pseudomonas* spp.

Carbapenemase-producing carbapenem-resistant *Acinetobacter baumannii*

*Candida auris*



# Other Epidemiologically Important MDROs

Methicillin-  
resistant  
*Staphylococcus  
aureus* (MRSA)

ESBL-producing  
Enterobacterales

Vancomycin-  
resistant  
Enterococci (VRE)

Multidrug-resistant  
*Pseudomonas  
aeruginosa*

Drug-resistant  
*Streptococcus  
pneumoniae*

# Enhanced Barrier Precautions – When to Use PPE

High-contact resident care activities:

- Dressing
- Bathing/showering
- Transferring
- Providing hygiene
- Changing linens
- Changing briefs or assisting with toileting
- Device care or use: central line, urinary catheter, feeding tube, tracheostomy/ventilator
- Wound care: any skin opening requiring a dressing

# High-Contact Resident Care Activities Clarifications

## Transferring

- Includes transferring during other high-contact resident care activities in the resident's room
- Includes transferring during bathing in a shared/common shower room
- Does not include transferring in common areas (i.e., dining rooms, activity rooms, etc.)

## Hygiene

- Brushing teeth
- Shaving
- Combing hair when bundled with other high-contact resident care activities

## Therapy

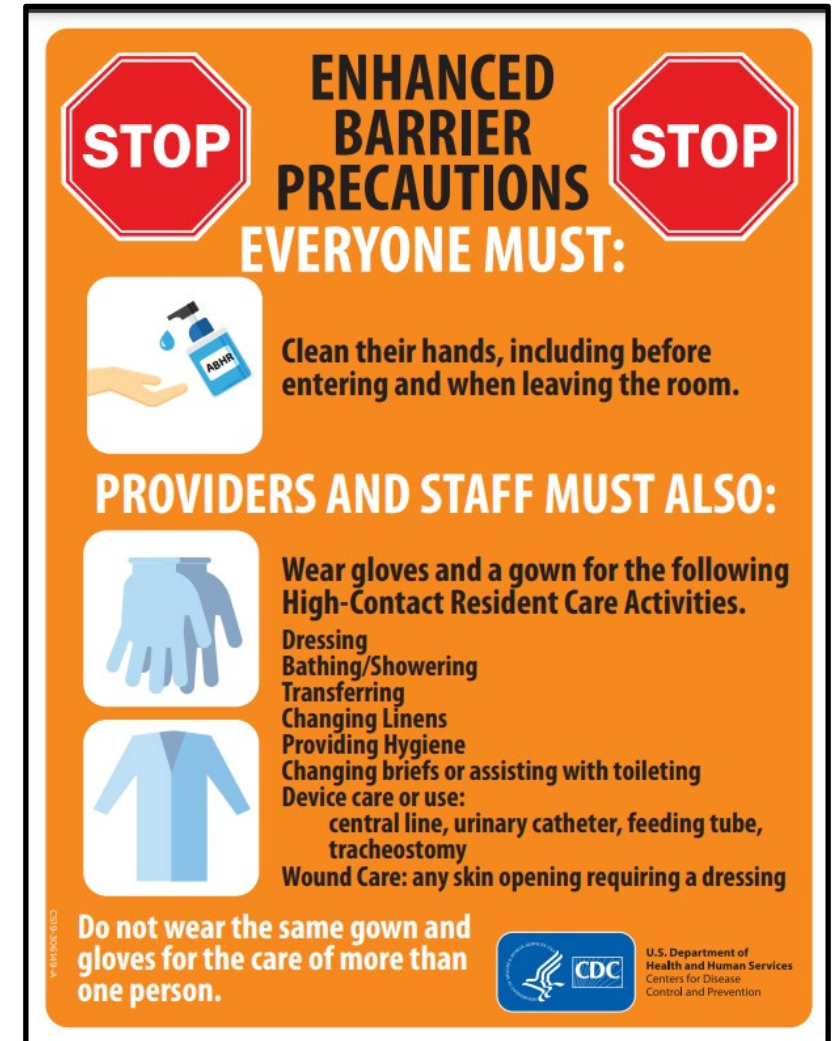
- Includes close physical contact during transfers, mobility, or any high-contact activity in the therapy gym or resident's room

## Environmental Services

- Includes changing linen
- Does not include cleaning and disinfection of the resident's room

# Enhanced Barrier Precautions – Required PPE

- During high-contact care activities
  - Gloves
  - Gown
  - Don prior to high-contact care activity
  - Doff after high-contact care activity
  - Change before caring for another resident
- Other PPE (mask & eye protection) as appropriate when anticipated splash or spray into the face based on task being performed (standard precautions)



# Enhanced Barrier Precautions – Room Restriction

- None
- May share rooms with other residents



# Enhanced Barrier Precautions – Duration

- Duration of resident's stay for MDROs
  - CDC does not recommend routine retesting of residents with a history of colonization or infection with a MDRO or discontinuation of EBP after subsequent negative test
- Transition back to standard precautions, alone, when wound heals or indwelling device is removed – if without MDRO

# Contact Precautions - Application

All residents infected or colonized with a MDRO in any of the following situations:

- Acute diarrhea
- Draining wounds that cannot be covered/contained
- Draining secretions or excretions that cannot be contained
- Suspected or confirmed MDRO outbreak
- Otherwise directed by public health authorities

All residents who have another infection or condition which contact precautions are recommended in Appendix A of CDC Isolation Precautions:

- *C. difficile*
- Norovirus
- Scabies
- Rotavirus
- Hepatitis A in incontinent patients
- Herpes simplex
- Human metapneumovirus
- Etc.



# Contact Precautions – PPE, Room Restrictions, Duration



Required PPE

Gloves  
Gown



Any room entry

Don before room entry  
Doff before exit  
Change before caring  
for another resident



Other PPE (mask & eye protection) as appropriate when anticipated splash or spray into the face based on task being performed (standard precautions)

- Room Restrictions
  - Single-person room preferred
  - Cohort
  - Restricted to room except for medically necessary care
- Duration
  - Time limited
  - Per Appendix A of CDC Isolation Precautions Guidelines



# Reference Tool

- CDC Summary of PPE Use and Room Restriction When Caring for Residents in Nursing Homes:

Precautions	Applies to	PPE used for these situations	Required PPE	Room restriction
<b>Standard Precautions</b>	All residents	Any potential exposure to: <ul style="list-style-type: none"> <li>• Blood</li> <li>• Body fluids</li> <li>• Mucous membranes</li> <li>• Non-intact skin</li> <li>• Potentially contaminated environmental surfaces or equipment</li> </ul>	Depending on anticipated exposure: gloves, gown, facemask or eye protection (Change PPE before caring for another resident)	None
<b>Enhanced Barrier Precautions</b>	All residents with <i>any of the following</i> : <ul style="list-style-type: none"> <li>• Infection or colonization with an MDRO when <i>Contact Precautions do not otherwise apply</i></li> <li>• Wounds and/or indwelling medical devices (e.g., central line, urinary catheter, feeding tube, tracheostomy/ventilator) <i>regardless of MDRO colonization status</i></li> </ul>	During high-contact resident care activities: <ul style="list-style-type: none"> <li>• Dressing</li> <li>• Bathing/showering</li> <li>• Transferring</li> <li>• Providing hygiene</li> <li>• Changing linens</li> <li>• Changing briefs or assisting with toileting</li> <li>• Device care or use: central line, urinary catheter, feeding tube, tracheostomy/ventilator</li> <li>• Wound care: any skin opening requiring a dressing</li> </ul>	Gloves and gown prior to the high-contact care activity  (Change PPE before caring for another resident) (Face protection may also be needed if performing activity with risk of splash or spray)	None
<b>Contact Precautions</b>	All residents infected or colonized with a MDRO <i>in any of the following situations</i> : <ul style="list-style-type: none"> <li>• Presence of acute diarrhea, draining wounds or other sites of secretions or excretions that are unable to be covered or contained</li> <li>• For a limited time period, as determined in consultation with public health authorities, on units or in facilities during the investigation of a suspected or confirmed MDRO outbreak</li> <li>• When otherwise directed by public health authorities</li> </ul> All residents who have another infection (e.g., <i>C. difficile</i> , norovirus, scabies) or condition for which Contact Precautions is recommended in Appendix A (Type and Duration of Precautions Recommended for Selected Infections and Conditions) of the CDC Guideline for Isolation Precautions.	Any room entry	Gloves and gown (Don before room entry, doff before room exit; change before caring for another resident) (Face protection may also be needed if performing activity with risk of splash or spray)	Yes, except for medically necessary care

# Implementation Tips

- Start small
- [Use CDC tools](#)



# Knowledge Check



# Roundtable Discussion

# Round Table Discussion Format



Share  
background



Share  
specific  
question



Ask  
clarifying  
questions



Group  
discussion



Summary of  
recommendations

# Case Presentation



## Background:

We had an outbreak in April with 6 residents not feeling good. Symptoms of cough, fatigue, diarrhoea, body aches. They were all tested for COVID, pneumonia, Flu, RSV, etc., with all having negative results. The residents presented the illness one after the other, not at the same time.



## Question:

When an illness is NOT identified, what is the recommendation for source control/ infection control?



# Roundtable Discussion



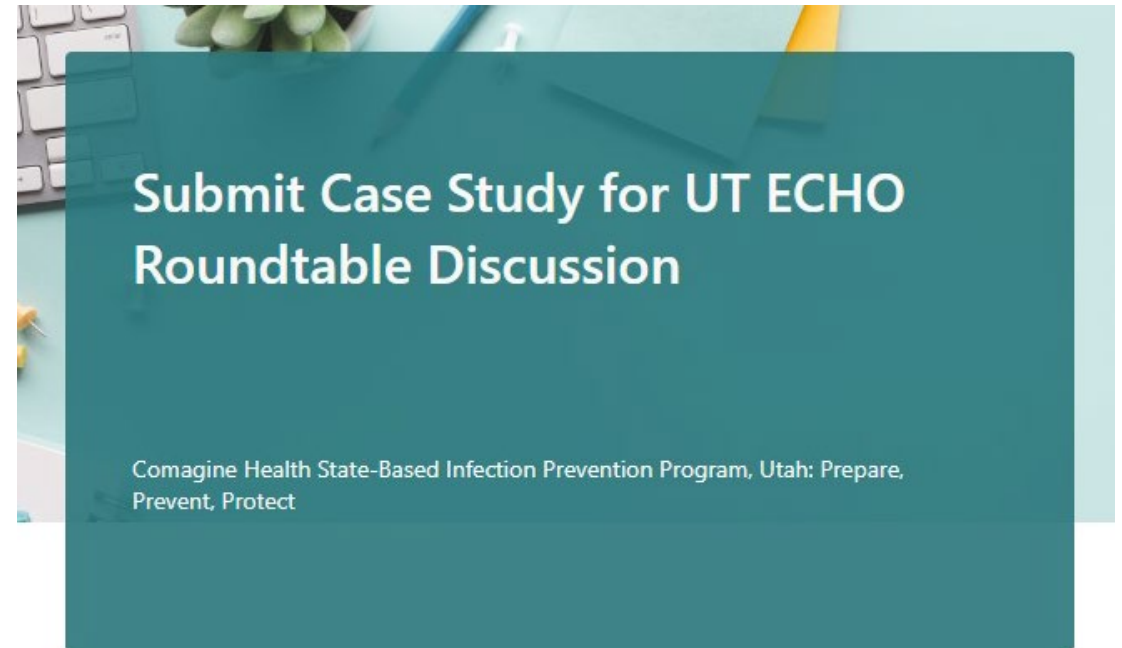
# What Makes a Good Case?

- A situation that stumped you
- Reoccurring or rare situations
- Trends you are seeing in the field
- Could be an IP issue that involves challenges with a dynamic nature
  - Clinical
  - Emotional
  - Psychosocial
  - Spiritual
- A specific ask or question for the community to provide input



# ACTIVITY: Roundtable Case Submissions

- Submit cases via Padlet and Microsoft Forms!
  - Fill in 7 short fields to submit
  - Option for the Comagine team to present your case anonymously
- Walk-through activity:
  - Please pull up the [Roundtable Case Submission Form](#)



# Wrap-Up



# Nursing Continuing Education (CE) Credits

## To receive CEs:

- Complete the session evaluation survey
- Provide your name and license number

## What you'll receive:

- 1 credit hour, per session you meet the listed criteria
- Credit is awarded by the NV Board of Nursing

## When you'll receive it:

- In your post session email

# Connecting to APIC

## What you receive:

- APIC National and local UT chapter membership (\$230 value)
- APIC Infection Prevention Guide to Long-Term Care, 2nd edition (\$119 value)

## Active participation: What does it mean?

- Attended a minimum of 3 out of 12 sessions
- Interact during sessions
- Fill out session evaluations
- Share your information to be enrolled

# Coaching and Consultations

- Virtual and on-site 1:1 consultation
- Tailored to your needs and setting
- Sign up by emailing: [InfectionPreventionAdvisor@comagine.org](mailto:InfectionPreventionAdvisor@comagine.org)

## Core components include:

### Introduction and program assessment

- Assess current IPC capacity, prioritize needs, set calendar for visitation

### Environmental assessment and walkthrough

- Evaluate IPC infrastructure, identify resources and supply needs

### Performance Improvement Plans

- Provide recommendations, PIP templates, and support

### Monitoring, follow up and performance improvement

- Assess progress, provide support on continued PIP implementation

### Quality assurance

- Assess uptake and sustainability of recommendations

# Next Steps

1

Join us for our next session

- **Sept. 13:** Injection Safety and Point of Care Testing

2

Reach out to Comagine Health staff for any questions or assistance

3

Check out the [Learning Collaborative Padlet](#) page

4

[Submit](#) more Roundtable cases

5

Fill out the Evaluation Survey for this session

- Provide your name and license number for CEs

# Contact Us

For more information on Comagine Health's Infection Prevention Solutions for LTC facilities in Utah, please contact:

- Email: [infectionpreventionadvisor@comagine.org](mailto:infectionpreventionadvisor@comagine.org)
- Jen Roeder: [jroeder@comagine.org](mailto:jroeder@comagine.org)
- Violet Brown: (801) 892-6651, [vbrown@comagine.org](mailto:vbrown@comagine.org)
- Kaylie Pickup: [kpickup@comagine.org](mailto:kpickup@comagine.org)



*Utah Infection Prevention Solutions for skilled nursing facilities, assisted living communities and intermediate care facilities is funded by a grant through the Utah Department of Health and Human Services' Healthcare-Associated Infections Program.*