



LTCFs



Frequently Asked Questions (FAQs) about Enhanced Barrier Precautions in Nursing Homes

AT A GLANCE

Frequently asked questions about using enhanced barrier precautions in nursing homes to prevent MDROs.

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Background

These FAQs were created to address questions about Enhanced Barrier Precautions as defined in the CDC guidance [Implementation of Personal Protective Equipment \(PPE\) in Nursing Homes to Prevent Spread of Multidrug-resistant Organisms \(MDROs\)](#).

Definition and scope of Enhanced Barrier Precautions

1. What are Enhanced Barrier Precautions?

Enhanced Barrier Precautions are an infection control intervention designed to reduce transmission of multidrug-resistant organisms (MDROs) in nursing homes. Enhanced Barrier Precautions involve gown and glove use during high-contact resident care activities for residents known to be colonized or infected with a MDRO as well as those at increased risk of MDRO acquisition (e.g., residents with wounds or indwelling medical devices).

2. What are the differences between Enhanced Barrier Precautions and Standard Precautions?

As part of [Standard Precautions](#), which apply to the care of all residents, the use of PPE is based on the "anticipated exposure" to blood, body fluids, secretions, or excretions. For example, gloves are recommended when contact with blood or other potentially infectious materials, mucous membranes, non-intact skin, or contaminated equipment could occur. A gown is recommended to protect skin and prevent soiling of clothing during procedures and activities that could cause contact with blood, body fluids, secretions, or excretions.

Enhanced Barrier Precautions expand the use of gown and gloves beyond anticipated blood and body fluid exposures. They focus on use of gown and gloves during high-contact resident care activities that have been demonstrated to result in transfer of MDROs to hands and clothing of healthcare personnel, even if blood and body fluid exposure is not anticipated. Enhanced Barrier Precautions are recommended for residents known to be colonized or infected with a MDRO as well as those at increased risk of MDRO acquisition (e.g., residents with wounds or indwelling medical devices). Standard Precautions still apply while using Enhanced Barrier Precautions. For example, if splashes and sprays are anticipated during the high-contact care activity, face protection should be used in addition to the gown and gloves.

3. What are the differences between Enhanced Barrier Precautions and Contact Precautions?

Contact Precautions require the use of gown and gloves on every entry into a resident's room, regardless of the level of care being provided to the resident. The resident is given dedicated equipment (e.g., stethoscope and blood pressure cuff) and is placed in a private room. When private

rooms are not available, some residents (e.g., residents with the same pathogen) may be roomed together. Residents on Contact Precautions are recommended to be restricted to their rooms except for medically necessary care, including restriction from participation in group activities. Contact Precautions are generally intended to be time limited and, when implemented, should include a plan for discontinuation or de-escalation.

Enhanced Barrier Precautions require the use of gown and gloves only for high-contact resident care activities (unless otherwise indicated as part of Standard Precautions). Residents are not restricted to their rooms and do not require placement in a private room. Enhanced Barrier Precautions also allow residents to participate in group activities. Because Enhanced Barrier Precautions do not impose the same activity and room placement restrictions as Contact Precautions, they are intended to be in place for the duration of a resident's stay in the facility or until resolution of the wound or discontinuation of the indwelling medical device that placed them at higher risk.

4. When should nursing home staff use Contact Precautions versus Enhanced Barrier Precautions for a resident with a MDRO?

Contact Precautions are recommended if the resident has acute diarrhea, draining wounds, or other sites of secretions or excretions that are unable to be covered or contained or for a limited period of time during a suspected or confirmed MDRO outbreak investigation. If neither criteria are met and the resident does not have another indication for Contact Precautions (See Question 5), then Enhanced Barrier Precautions could be used, unless otherwise directed by public health authorities.

5. Are Enhanced Barrier Precautions recommended for residents with *Clostridioides difficile* infection or scabies?

No. Enhanced Barrier Precautions are intended for MDROs (other than *Clostridioides difficile*) and do not replace existing guidance regarding use of Contact Precautions for other pathogens (e.g., *Clostridioides difficile*, scabies, norovirus) and conditions in nursing homes. Refer to [Appendix A](#) – Type and Duration of Precautions Recommended for Selected Infections and Conditions of the CDC Guideline for Isolation Precautions for a list of infections and other conditions where Contact Precautions is recommended.

6. Are Enhanced Barrier Precautions recommended for healthcare settings other than nursing homes, such as long-term acute care hospitals (LTACHs) or assisted living communities?

At this time, CDC has not recommended implementation of Enhanced Barrier Precautions in other healthcare settings; however, the evaluation for broader application of EBP to others healthcare settings is ongoing.

7. What is the evidence that Enhanced Barrier Precautions are effective at preventing MDRO transmission?

The evidence that Enhanced Barrier Precautions are effective at preventing MDRO transmission is summarized in the document, [Consideration for Use of Enhanced Barrier Precautions in Skilled Nursing Facilities](#) [PDF](#).

8. How did CDC choose the high-contact resident care activities described in the guidance?

The high-contact resident care activities described in the guidance were chosen based on hundreds of observations of care in nursing homes that evaluated the potential for antibiotic-resistant bacteria to contaminate the hands and clothing of healthcare personnel. Those activities that demonstrated the highest risk for transfer to hands and clothing were included in the CDC guidance. Further information is summarized in the document, [Consideration for Use of Enhanced Barrier Precautions in Skilled Nursing Facilities](#) [PDF](#). This list may not be fully exhaustive; facilities could consider adding other activities specific to their residents.

9. Why does the Enhanced Barrier Precautions guidance focus on gown and glove use and not other important infection control measures (e.g., environmental cleaning) for preventing MDRO transmission in nursing homes?

While this guidance focuses on gown and glove use, prevention of MDRO transmission in nursing homes requires much more than just proper use of personal protective equipment (PPE). Adherence to other recommended infection prevention practices including performing hand hygiene, cleaning and disinfection of environmental surfaces and resident care equipment, proper handling of indwelling medical devices, and care of wounds is also critical. CDC and health departments continue to identify gaps in recommended infection prevention practices as part of on-site infection control assessments in nursing homes. Examples include lack of access to alcohol-based hand sanitizer in resident rooms and other

care areas; lack of access to EPA-registered disinfectants at the point of use; and failure to clean and disinfect shared resident care equipment after each use. During public health outbreak responses and as a part of a [Containment Strategy](#), facilities are provided guidance and support to improve all aspects of their infection prevention practices, in addition to implementing EBP.

CDC has created a comprehensive, free, online [training course](#)  for nursing homes addressing development and implementation of an infection prevention program. Nursing homes are encouraged to have staff review relevant modules and to use the resources provided in the training (e.g., policy and procedure templates, auditing checklists) to assess and improve practices in their facility. Communicating infection prevention expectations to staff, ensuring access to necessary supplies, and initial as well as refresher trainings are essential.

Application and duration of Enhanced Barrier Precautions

10. Are Enhanced Barrier Precautions recommended for a whole facility or just the unit where a resident known to be infected or colonized with a MDRO resides?

Assuming Contact Precautions do not otherwise apply, Enhanced Barrier Precautions are recommended for residents with any of the following: 1) infection or colonization with a MDRO or 2) a wound or indwelling medical device, even if the resident is not known to be infected or colonized with a MDRO. While prior iterations of the Enhanced Barrier Precautions guidance were intended for use solely during public health response activities, Enhanced Barrier Precautions are currently recommended to be used broadly, in all units across the whole facility, for residents who meet the above criteria. This broader application includes facilities where targeted MDROs have not yet been identified and is intended to minimize the transmission of MDROs in nursing homes.

11. If a resident infected or colonized with a MDRO meets criteria for Contact Precautions, do other residents in the facility with indwelling medical devices or wounds need to be cared for using Enhanced Barrier Precautions?

Even if the resident colonized with a MDRO is placed on Contact Precautions (e.g., for uncontained secretions or excretions, acute diarrhea, draining wounds, or ongoing transmission within the unit or facility is suspected), Enhanced Barrier Precautions are still recommended for other at-risk residents (i.e., those with indwelling medical devices or wounds) in the facility.

12. Should nursing homes screen residents for MDRO carriage in order to implement Enhanced Barrier Precautions?

There may be circumstances when performing screening cultures for presence of certain MDROs could be appropriate, especially as part of public health prevention or response measures to address antimicrobial resistance. However, pre-emptive screening to determine a resident's MDRO status solely for the purpose of implementing Enhanced Barrier Precautions is not recommended. Enhanced Barrier Precautions are intended to provide an approach for gown and glove use that is based on resident risk factors and type of care being provided, rather than solely based on MDRO status, especially for residents at risk for MDRO acquisition (i.e., presence of indwelling medical devices or wounds).

13. If a resident does not have a history of a MDRO but does have an indwelling medical device or wound, should they still be placed on Enhanced Barrier Precautions?

Yes. Enhanced Barrier Precautions are recommended for residents with indwelling medical devices or wounds, who do not otherwise meet the criteria for Contact Precautions, even if they have no history of MDRO colonization or infection and regardless of whether others in the facility are known to have MDRO colonization. This is because devices and wounds are risk factors that place these residents at higher risk for carrying or acquiring a MDRO and many residents colonized with a MDRO are asymptomatic or not presently known to be colonized.

14. Why did CDC expand Enhanced Barrier Precautions to include all residents with wounds or indwelling medical devices, regardless of MDRO status?

Indwelling medical devices and wounds are risk factors for colonization with a MDRO. Once colonized, these residents can serve as sources of transmission within the facility. The expansion of EBP for all residents with wounds or indwelling medical devices is intended to protect these high-risk individuals both from acquisition and from serving as a source of transmission if they have already become colonized. Additional resources are summarized in the document, [Consideration for Use of Enhanced Barrier Precautions in Skilled Nursing Facilities](#) .

15. Are Enhanced Barrier Precautions recommended for methicillin-resistant *Staphylococcus aureus* (MRSA) and other MDROs if the resident does not also have an

indwelling medical device or wound?

While Enhanced Barrier Precautions were initially intended for those colonized with or at risk for colonization with novel or targeted MDROs, CDC's updated guidance now provide facilities and jurisdictions the flexibility to implement Enhanced Barrier Precautions for residents colonized or infected with any epidemiologically important MDRO. For this reason, facilities may consider Enhanced Barrier Precautions for more common MDROs such as MRSA. If implemented, Enhanced Barrier Precautions for residents with known MRSA colonization should be utilized in the same manner as Enhanced Barrier Precautions for novel or targeted MDROs and should not replace other interventions targeted at preventing invasive MRSA infection and transmission.

Examples of MDROs targeted by CDC include:

- Pan-resistant organisms,
- Carbapenemase-producing carbapenem-resistant Enterobacterales,
- Carbapenemase-producing carbapenem-resistant *Pseudomonas*,
- Carbapenemase-producing carbapenem-resistant *Acinetobacter baumannii*, and
- *Candida auris*

Additional epidemiologically important MDROs may include, but are not limited to:

- Methicillin-resistant *Staphylococcus aureus* (MRSA),
- ESBL-producing Enterobacterales,
- Vancomycin-resistant *Enterococci* (VRE),
- Multidrug-resistant *Pseudomonas aeruginosa*,
- Drug-resistant *Streptococcus pneumoniae*

16. Do residents placed on Enhanced Barrier Precautions require placement in a single-person room?

No. Single-person rooms (if available) should be prioritized for residents who have acute infection with a communicable disease (such as influenza, SARS-CoV-2, hepatitis A) or for residents placed on Contact Precautions for presence of acute diarrhea, draining wounds, or other sites of secretions or excretions that are unable to be covered or contained. Residents on Enhanced Barrier Precautions may share rooms with other residents; however, facilities with capacity to offer single-person rooms or create roommate pairs based on MDRO colonization may choose to do so. Further, if there are multiple residents with a novel or targeted MDRO in the same facility, consider cohorting them together in one wing or unit to decrease the direct movement of healthcare personnel from colonized or infected residents to those who are not known to be colonized.

When residents are placed in shared rooms, facilities must implement strategies to help minimize transmission of pathogens between roommates including: maintaining spatial separation of at least 3 feet between beds to reduce opportunities for inadvertent sharing of items between the residents, use of privacy curtains to limit direct contact, cleaning and disinfecting any shared reusable equipment, cleaning and disinfecting environmental surfaces on a more frequent schedule, and changing personal protective equipment (if worn) and performing hand hygiene when switching care from one roommate to another.

17. How long should a resident remain on Enhanced Barrier Precautions?

Enhanced Barrier Precautions are intended to be used for the duration of a resident's stay in a facility. A transition back to Standard Precautions, alone, might be appropriate for residents placed on Enhanced Barrier Precautions solely because of the presence of a wound or indwelling medical device when the wound heals or the device is removed.

18. May nursing homes stop using Enhanced Barrier Precautions if we screen the infected or colonized resident and they test negative for the novel or targeted MDRO?

Residents colonized with a novel or targeted MDRO are intended to remain on Enhanced Barrier Precautions for the duration of their stay in a facility. Because MDRO colonization is typically prolonged and follow-up testing to determine clearance may yield false negatives, CDC does not recommend routine retesting of residents with a history of colonization or infection with a MDRO or discontinuation of Enhanced Barrier Precautions after a subsequent negative test.

Implementation of Enhanced Barrier Precautions

19. If a nursing home is receiving a resident known to be colonized with a MDRO from an acute care hospital, do they need to continue Contact Precautions in the facility, or can Enhanced Barrier Precautions be used?

The resident should be maintained on Contact Precautions in the nursing home if he or she has acute diarrhea, draining wounds, or other sites of secretions or excretions that are unable to be covered or contained or for a limited period of time during a suspected or confirmed MDRO outbreak investigation. If none of these are present, Enhanced Barrier Precautions would typically be appropriate for the management of this resident, unless otherwise directed by public health authorities.

20. Are gowns and gloves the only personal protective equipment (PPE) needed for the high-contact resident care activities described as part of Enhanced Barrier Precautions?

Not necessarily. Gowns and gloves are the minimum level of PPE required for these high-contact resident care activities. However, as part of Standard Precautions, additional PPE may be required depending on the resident. For example, face protection would also be required for activities where splashes and sprays are likely (e.g., wound irrigation, tracheostomy care).

21. What activities are included under "providing hygiene"?

Providing hygiene refers to practices such as brushing teeth, combing hair, and shaving. Many of the high-contact resident care activities listed in the guidance are commonly bundled as part of morning and evening care for the resident rather than occurring as multiple isolated interactions with the resident throughout the day. Isolated combing of a resident's hair that is not otherwise bundled with other high-contact resident care activities would not generally necessitate use of a gown and gloves.

22. What is the definition of "indwelling medical device"?

An indwelling medical device provides a direct pathway for pathogens in the environment to enter the body and cause infection. Examples of indwelling medical devices include, but are not limited to, central vascular lines (including hemodialysis catheters), indwelling urinary catheters, feeding tubes, and tracheostomy tubes. Devices that are fully embedded in the body, without components that communicate with the outside, such as pacemakers, would not be considered an indication for Enhanced Barrier Precautions.

23. The guidance describes that "all residents with wounds" would meet the criteria for Enhanced Barrier Precautions. What is the definition of a "wound" in relation to this guidance?

In the guidance, wound care is included as a high-contact resident care activity and is generally defined as the care of any skin opening requiring a dressing. However, the intent of Enhanced Barrier Precautions is to focus on residents with a higher risk of acquiring an MDRO over a prolonged period of time. This generally includes residents with chronic wounds, and not those with only shorter-lasting wounds, such as skin breaks or skin tears covered with a Band-aid or similar dressing. Examples of chronic wounds include, but are not limited to, pressure ulcers, diabetic foot ulcers, unhealed surgical wounds, and chronic venous stasis ulcers.

24. The guidance advises using Enhanced Barrier Precautions for the "care and use" of indwelling medical devices. How is "care and use" defined?

The presence of an indwelling device is a major risk factor for being colonized with or acquiring a MDRO. Therefore, the safest practice would be to wear a gown and gloves for any care (e.g., dressing changes) or use (e.g., injecting or infusing medications or tube feeds) of the indwelling medical device. It may be acceptable to use gloves, alone, for some uses of a medical device that involve only limited physical contact between the healthcare worker and the resident (e.g., passing medications through a feeding tube). This is only appropriate if the activity is not bundled together with other high-contact care activities and there is no evidence of ongoing transmission in the facility. Facilities should define these limited contact activities in their policies and procedures and educate healthcare personnel to ensure consistent application of Enhanced Barrier Precautions.

25. Are gowns and gloves recommended for Enhanced Barrier Precautions when transferring a resident from a wheelchair to chair in the dayroom or dining room?

In general, gowns and gloves would not be recommended when performing transfers in common areas such as dining or activity rooms, where contact is anticipated to be shorter in duration. Enhanced Barrier Precautions is primarily intended to apply to care that occurs within a resident's room where high-contact resident care activities, including transfers, are bundled together with other high-contact activity, such as part of morning or evening care. This extended contact with the resident and their environment increases the risk of MDRO spreading to staff hands and clothes. Outside the resident's rooms, Enhanced Barrier Precautions should be followed when performing transfers and assisting during bathing in a shared/common shower room and when working with residents in the therapy gym, specifically when anticipating close physical contact while assisting with transfers and mobility. Hand hygiene is recommended before and after resident contact.

26. Is Physical or Occupational Therapy considered a "high-contact" resident care activity?

Yes. Therapists should use gowns and gloves when working with residents on Enhanced Barrier Precautions in the therapy gym or in the resident's room if they anticipate close physical contact while assisting with transfers, mobility, or any high contact activity.

As part of Standard Precautions, gowns and gloves should be removed and hand hygiene performed when moving to work with another resident. Therapists should also ensure reusable therapy equipment is cleaned and disinfected after each use and surfaces in the therapy gym receive routine cleaning and disinfection.

27. Should Environmental Services (EVS) or housekeeping personnel wear gowns and gloves when cleaning and disinfecting rooms of residents on Enhanced Barrier Precautions?

The research that was the basis for the current guidance evaluated high-contact resident care activities, not specifically the risk of transmission of MDROs to the hands or clothing of Environmental Services (EVS) or housekeeping personnel. However, changing linen is considered a high contact resident care activity; gowns and gloves should be worn by EVS personnel if they are changing the linen of residents on Enhanced Barrier Precautions and could be considered for additional environmental services or housekeeping responsibilities that involve extensive contact with the resident or the resident's environment. Gown and glove use by EVS should be based on facility policy and for anticipated exposures to body fluids, chemicals, or contaminated surfaces. It is important to remember, gowns and gloves should be worn by EVS personnel when cleaning and disinfecting the rooms of residents on Contact Precautions.

28. Does posting signs specifying the type of Precautions and recommended PPE outside the resident room violate Health Insurance Portability and Accountability Act (HIPAA) and resident dignity?

No. Signs are intended to signal to individuals entering the room the specific actions they should take to protect themselves and the resident. To do this effectively, the sign must contain information about the type of Precautions and the recommended PPE to be worn when caring for the resident. Generic signs that instruct individuals to speak to the nurse are not adequate to ensure Precautions are followed. Signs should not include information about the resident's diagnosis or the reason for the Precautions (e.g., presence of a resistant pathogen); inclusion of that information would violate HIPAA and resident dignity.

CDC has created examples of signs that can be used by facilities to communicate information about [Transmission-Based](#) and [Enhanced Barrier Precautions](#) [PDF](#). Facilities can use these signs or modify them to create signs that work for their facility.

29. Can PPE used for Enhanced Barrier Precautions be thrown away in regular trash or does it need to go in the red bagged waste?

You should refer to local and state regulations regarding disposal of medical waste. The [OSHA Bloodborne Pathogen Standard](#) [↗](#) uses the term "regulated waste" to refer to the following categories of waste which require special handling, at a minimum: liquid or semi-liquid blood or other potentially infectious materials (OPIM); contaminated items that would release blood or OPIM in a liquid or semi-liquid state if compressed; items that are caked with dried blood or OPIM and are capable of releasing these materials during handling; contaminated sharps; pathological and microbiological wastes containing blood or OPIM. Based on this definition, most PPE used during resident care, including care of residents placed in Enhanced Barrier or Transmission-Based Precautions, would not fall into the category of regulated medical waste requiring disposal in a biohazard bag, and could be discarded as routine non-infectious waste. Facilities should remember to have an appropriate disposal container available in the resident room to allow for removal of PPE inside the room. However, local or state regulations may be more restrictive than this federal standard, so you should refer to those when making decisions.

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