

2007 Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings

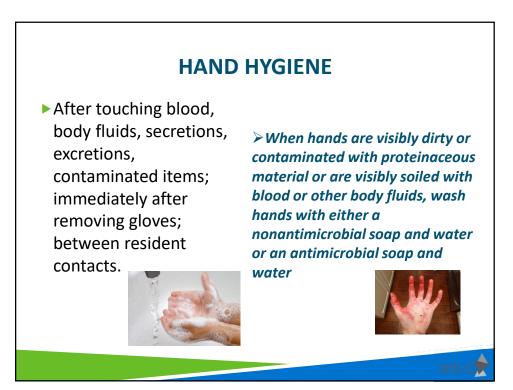
Jane D. Siegel, MD; Emily Rhinehart, RN MPH CIC; Marguerite Jackson, PhD; Linda Chiarello, RN MS; the Healthcare Infection Control Practices Advisory Committee

Acknowledgement: The authors and HICPAC gratefully acknowledge Dr. Larry Strausbaugh for his many contributions and valued guidance in the preparation of this guideline.

Suggested citation: Siegel JD, Rhinehart E, Jackson M, Chiarello L, and the Healthcare Inflection Control Practices Advisory Committee. 2007 Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings http://www.cdc.gwinded/dhipalediince/2007.adf ► Implementation of Standard Precautions constitutes the primary strategy for the prevention of healthcare-associated transmission of infectious agents among residents and healthcare personnel

Define and explain standard precautions and their application during resident care activities

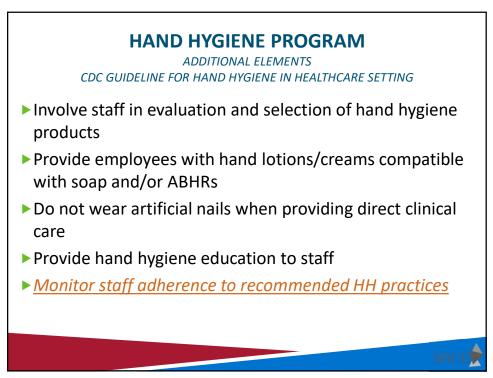
Appendix PP State Operations manual 8/24

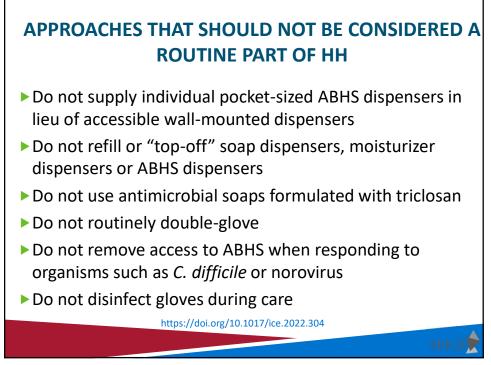




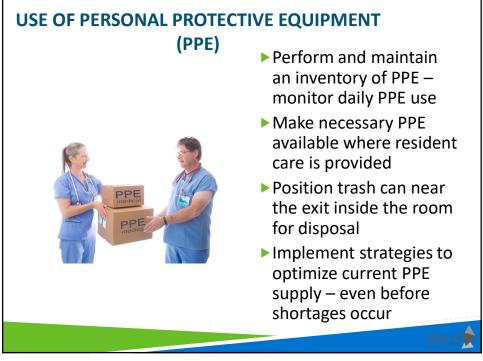




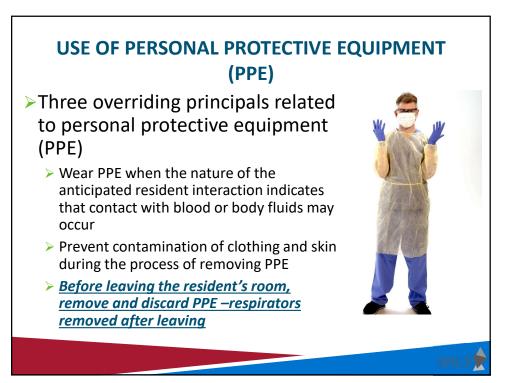


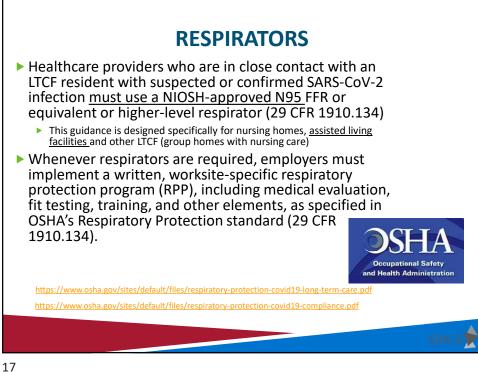


STANDARD PRECAUTIONS		
Component	Recommendation	
Personal Protective E	quipment (PPE)	
Gloves	For touching blood, body fluids, secretions, excretions, contaminated items; for touching mucous membranes and non-intact skin	
Gown	During procedures and resident-care activities when contact of clothing/exposed skin with blood/body fluids, secretions, and excretions is anticipated	
Mask, eye protection	During procedures and resident-care activities likely to generate splashes or sprays of blood, body fluids, secretions, especially suctioning, endotracheal intubation	
	SPIC	

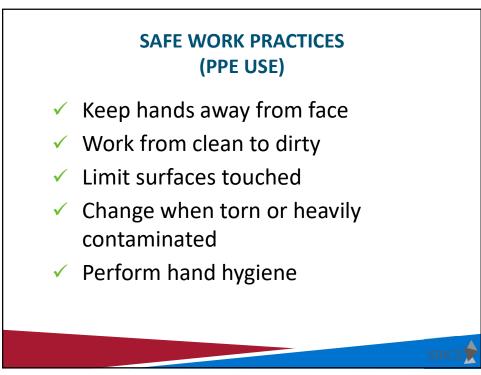










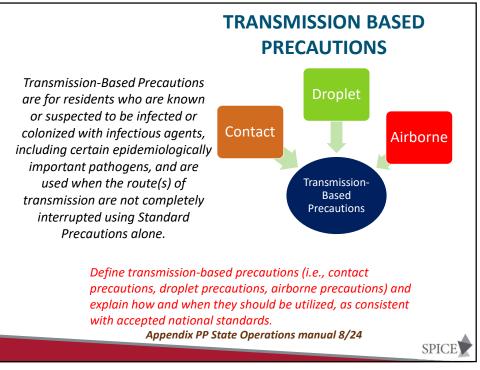


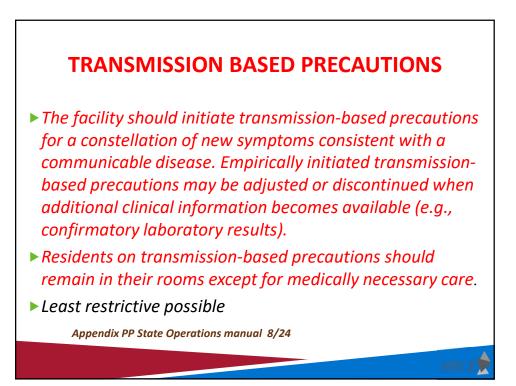


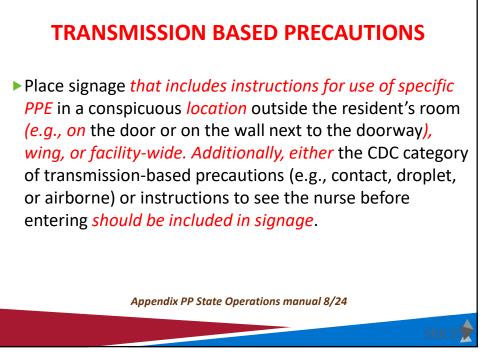
Component	Recommendation
Soiled equipment	Handle in a manner that prevents transfer of microorganisms to others and to the environment; wear gloves if visibly contaminated; perform hand hygiene
Environmental Control	Develop procedures for routine care, cleaning, and disinfection of environmental surfaces, especially frequently touched surfaces in resident-care areas
Laundry	Handle in a manner that prevents transfer of microorganisms to others and to the environment
Needles and sharps	Do not recap, bend, break, or hand-manipulate used needles; if recapping is required, use a one-handed scoop technique only; use safety features when available; place used sharps in puncture-resistant container
Resident Resuscitation	Use mouthpiece, resuscitation bag, other ventilation devices to prevent contact with mouth and oral secretions

Resident placement	
Resident placement	Prioritize for <u>single-resident room</u> if resident is at increased risk of transmission, is likely to contaminate the environment, does not maintain appropriate hygiene, or is at increased risk of acquiring infection or developing adverse outcome following infection.
Respiratory hygiene/cough etiquette (source containment of infectious respiratory secretions in symptomatic residents, beginning at initial point of encounter)	Instruct symptomatic persons to cover mouth/nose when sneezing/coughing; use tissues and dispose in no-touch receptacle; observe hand hygiene after soiling of hands with respiratory secretions; wear surgical mask if tolerated or maintain spatial separation, >3 feet if possible.

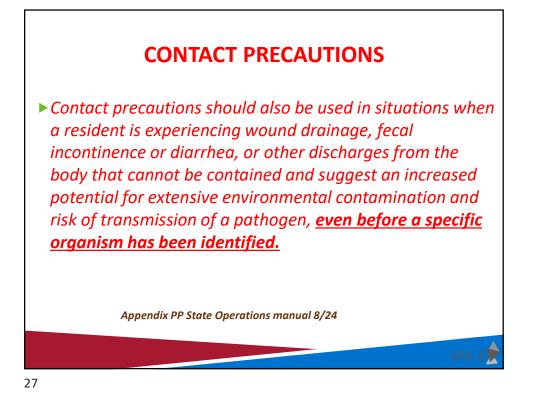
Safe Injection Practices	 Apply to the use of needles, cannulas that replace needles, and, where applicable intravenous delivery systems Use aseptic technique Needles, cannulae and syringes are sterile, single- use items Use single-dose vials for parenteral medications whenever possible Do not administer medications form single-dose vials or ampules to multiple residents Do not keep multidose vials in the immediate resident treatment area Do not use bags or bottles of IV solution as a common source of supply for multiple residents
Special Lumbar Procedures	Wear a surgical mask when placing a catheter or injecting material into the spinal canal or subdural space

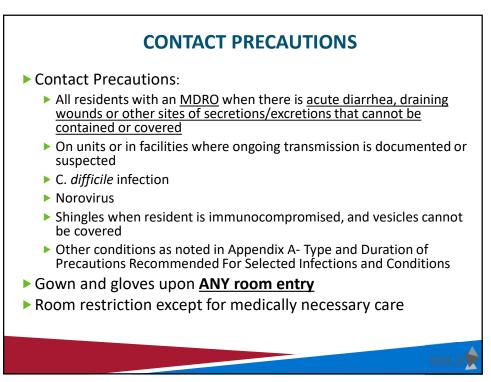




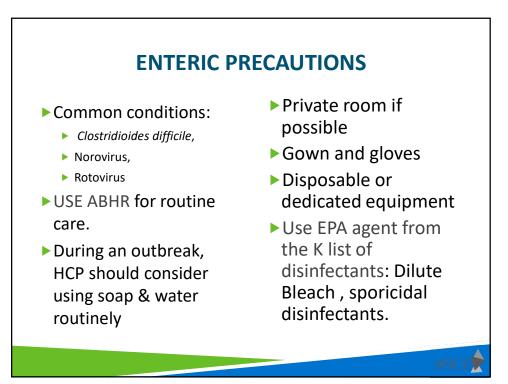




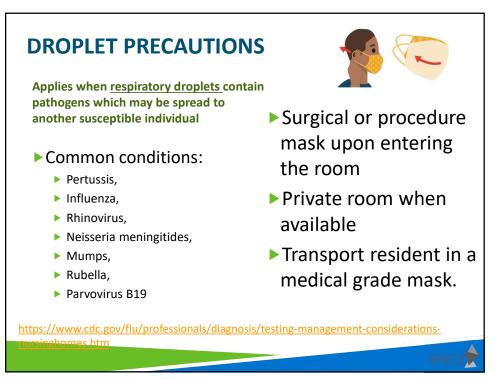




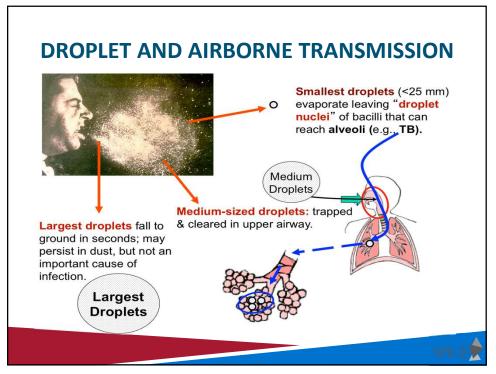


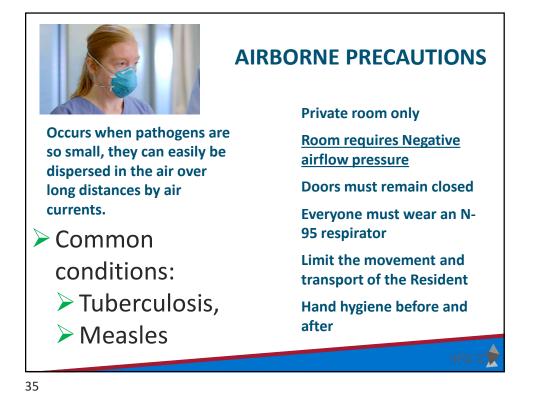


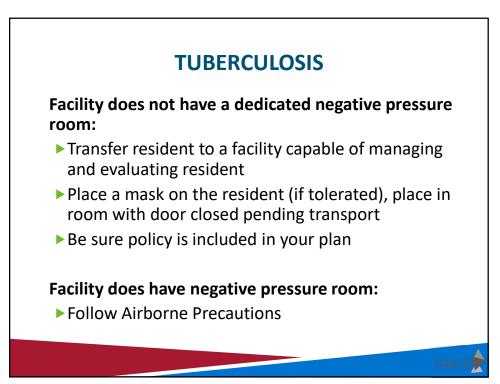


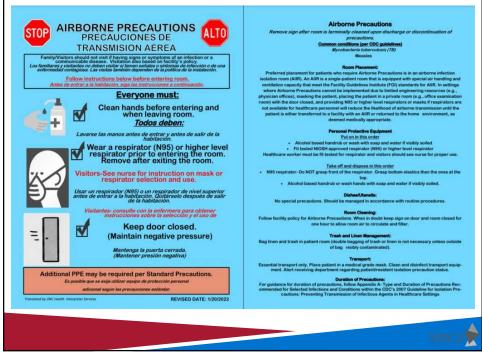


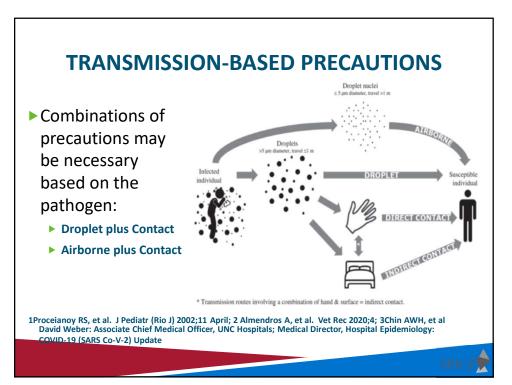


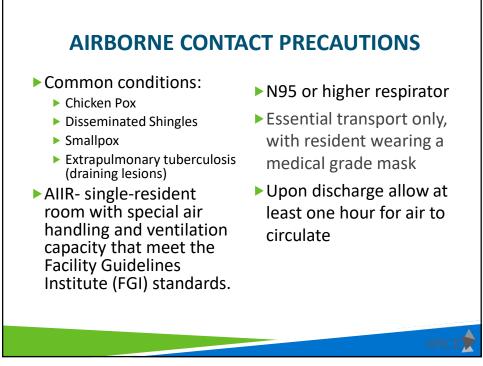






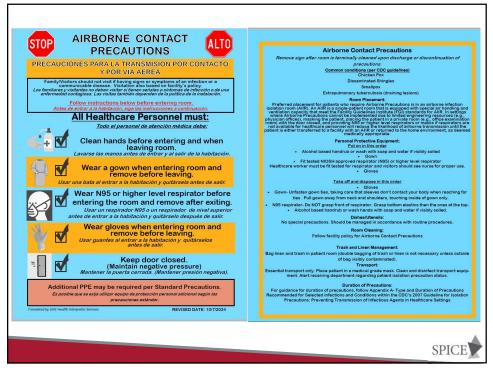


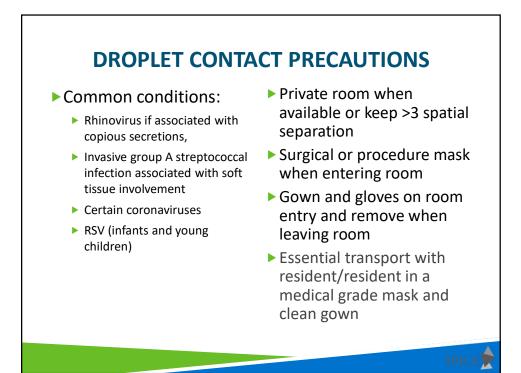




ACH § ¶	Time (mins.) required for removal 99% efficiency	Time (mins.) required for removal 99.9% efficiency
2	138	207
4	69	104
6+	46	69
8	35	52
10+	28	41
12*	23	35
15*	18	28
20	14	21
50	6	8

Disease/Condition	Type and Duration of Isolation
Chickenpox (varicella)	Airborne and Contact until lesions are dry and crusted
Shingles (Herpes zos	ster. Varicella zoster)
Localize in resident with intact immune system with lesions that can be contained/covered	Standard Precautions
Disseminated disease in any resident	Airborne and Contact precautions for duration of illness
Localized disease in immunocompromised resident until disseminated infection ruled out	Airborne and Contact precautions for duration of illness
Non-immune healthcare pe residents with Chic	
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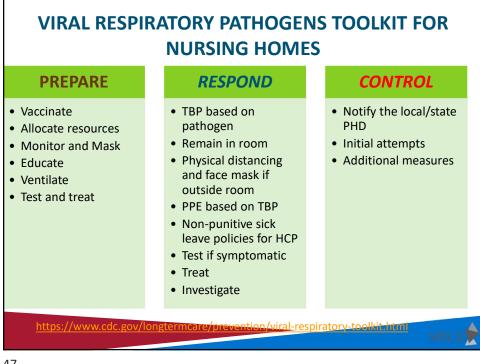




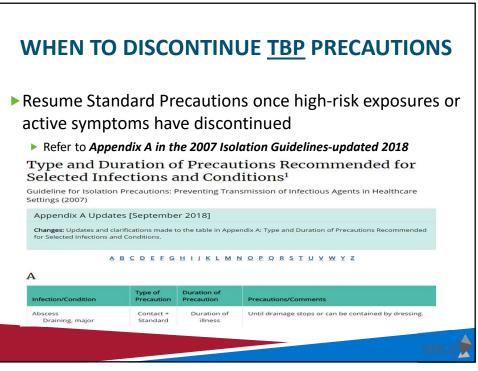
SPECIAL DROPLET CONTACT PRECAUTIONS

- Common conditions:
 - SARS,
 - SAR-CoV-2 (COVID-19)
 - Mpox
- Private room with door closed unless fall risk.
- AIIR- single-resident room with special air handling and ventilation capacity that meet the Facility Guidelines Institute (FGI) standards when performing AGPS
- Fit tested N95 or higher respirator
- Protective eyewear
- Gown and gloves
- Essential transport only with residentresident wearing a medical grade mask

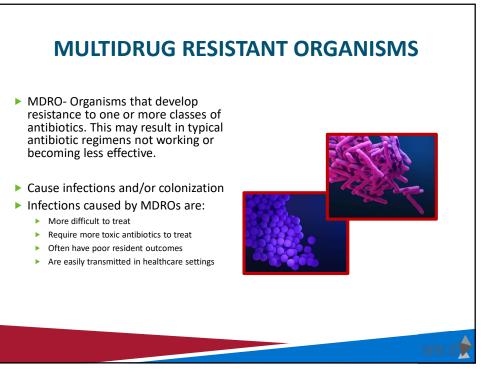


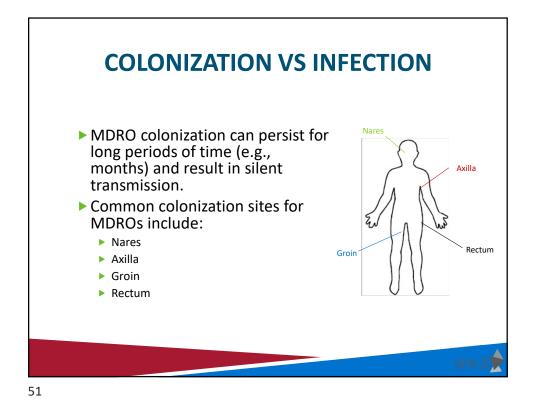


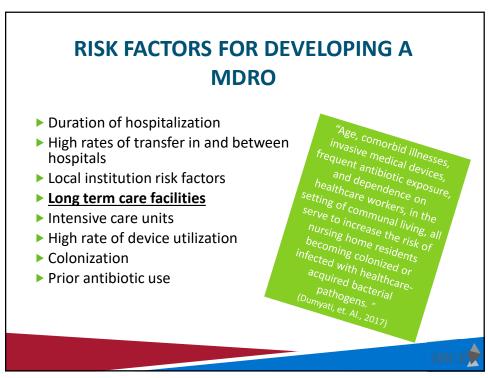


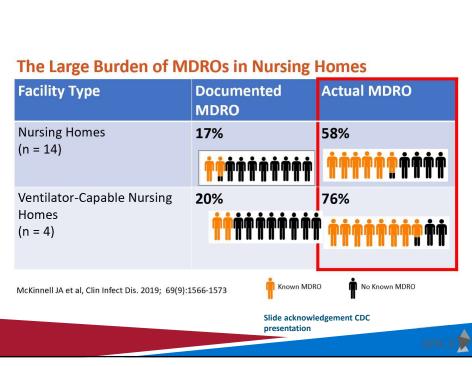


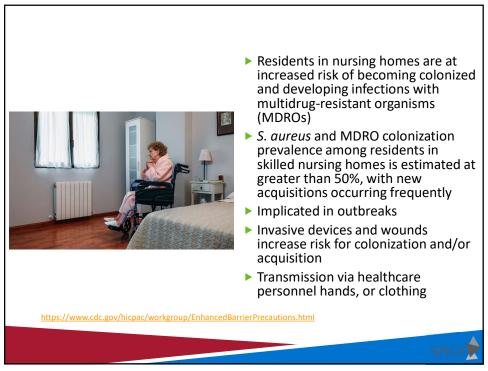


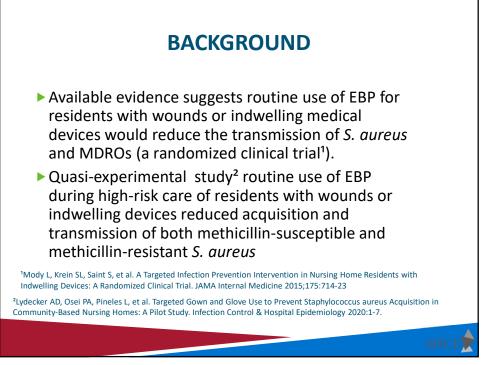














Implementation of Personal Protective Equipment (PPE) Use in Nursing Homes to Prevent Spread of Multidrug-resistant Organisms (MDROs)

Print version: Implementation of PPE in Nursing Homes to Prevent Spread of MDROs.
[PDF - 7 pages]

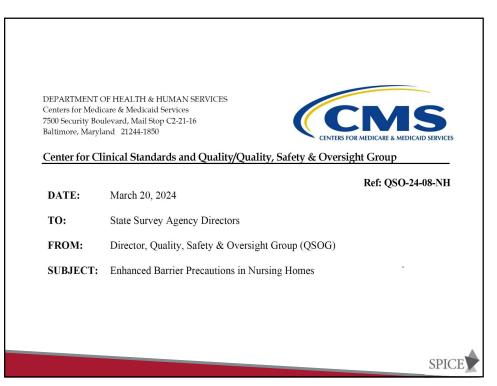
Summary of Recent Changes:

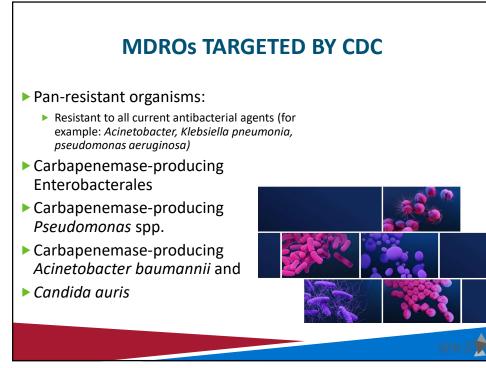
- Added additional rationale for the use of Enhanced Barrier Precautions (EBP) in nursing homes, including the high prevalence of multidrugresistant organism (MDRO) colonization among residents in this setting.
- Expanded residents for whom EBP applies to include any resident with an indwelling medical device or wound (regardless of MDRO colonization or infection status).
- Expanded MDROs for which EBP applies.
- Clarified that, in the majority of situations, EBP are to be continued for the duration of a resident's admission.

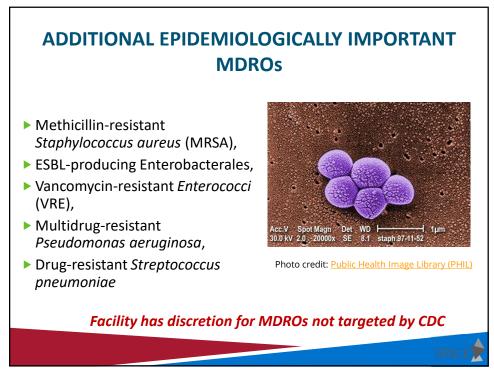
https://www.cdc.gov/hai/containment/PPE-Nursing-Homes.html

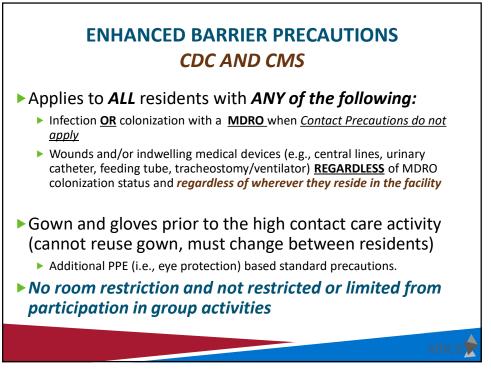
	Description of Precautions
	Summary of PPE Use and Room Restriction
	Implementation
	References
il.	Resources
	SPICE

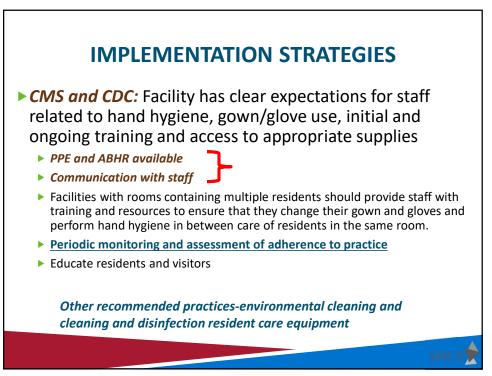
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INDWELLING MEDICAL DEVICES CDC AND CMS

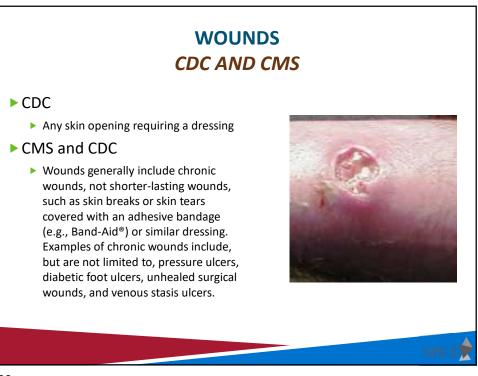
► CDC

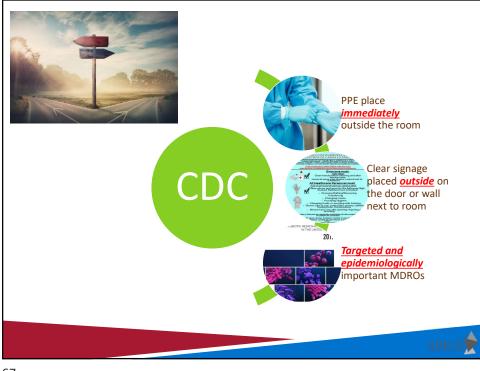


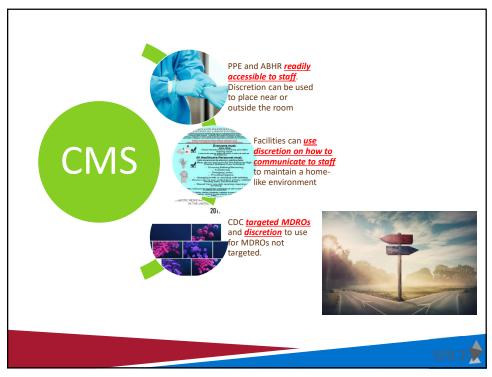
Examples of indwelling medical devices include central line, urinary catheter, feeding tube, and tracheostomy/ventilator;

CMS

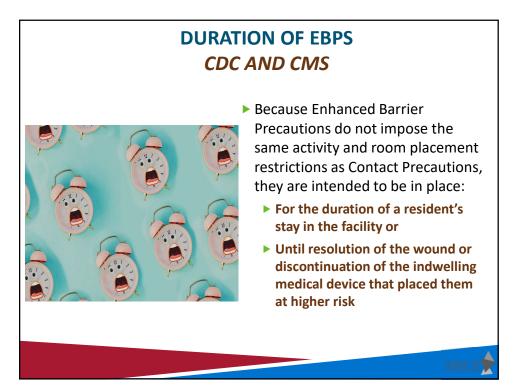
Indwelling medical device examples include central lines, urinary catheters, feeding tubes, and tracheostomies. A peripheral intravenous line (not a peripherally inserted central catheter) is not considered an indwelling medical device for the purpose of EBP.







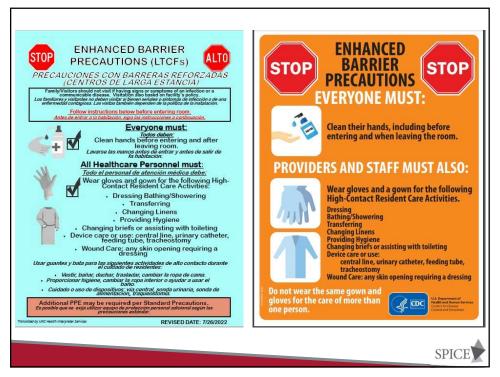






- When PPE supply chains are strained during extraordinary circumstances such as the COVID-19 pandemic, facilities may encounter shortages of gowns or gloves.
- Neither extended use nor reuse of gowns and gloves is recommended for mitigating shortages in the context of EBP.
- To optimize PPE supply, facilities can consider substituting disposable gowns with washable cloth isolation gowns that have long sleeves with cuffs.
- Healthcare personnel can reduce PPE consumption by bundling multiple care activities in the same resident interaction.

https://www.cdc.gov/hicpac/pdf/EnhancedB



MULTIDRUG-RESISTANT ORGANISM (MDRO) **TOOLKIT FOR LONG-TERM CARE FACILITIES** Introduction: "Antimicrobial resistance is a major threat to public health. The Centers for Disease Control and Prevention (CDC) estimates that 2.8 million people in the United States every year get infections that are resistant to antimicrobials(drugs that treat infections caused by bacteria or fungi), and at least 35,000 people die as a result. Organisms that are resistant to multiple classes of antimicrobial drugs are referred to as multidrug-resistant organisms (MDROs). Infections with MDROs can be difficult to treat and can be much more dangerous than infections with non-resistant strains of the same organism. Patients with prolonged health care stays, exposure to antimicrobial drugs, and other risk factors such as wounds or indwelling medical devices are at the highest risk for MDRO colonization and infection. https://epi.dph.ncdhhs.gov/cd/docs/MDROToolkit.pdf

