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Cleaning & Disinfection Essentials for Long-Term Care Settings

Doe Kley, RN, MPH, T-CHEST, LTC-CIP, CIC

Speaker Bio



Doe Kley, RN, MPH, T-CHEST, LTC-CIP, CIC

Clorox Healthcare: Infection Prevention Fellow, Clinical and Scientific Affairs

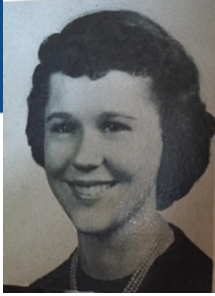


Doe Kley is an Infection Prevention Fellow within Clorox Healthcare's Clinical and Scientific Affairs team and is passionate about helping glean insights and solutions to tackle the many challenges faced in infection prevention. Her role focuses on providing consultative services and developing practice tools using her nearly 20 years of clinical expertise in acute care infection prevention from working in large healthcare systems, such as Intermountain Healthcare and Kaiser Permanente.

Doe is a registered nurse and received her Master of Public Health from the University of Nevada, Reno, as well as a Bachelor of Microbiology from Weber State University. She teaches an infection control course for the Ohio State University (OSU) and is also dual-board certified in infection prevention and epidemiology in both acute and long-term care. Additionally, Doe is certified to train EVS through Association for the Healthcare Environment (AHE) and is currently a member of AHE, the Association for Professionals in Infection Control & Epidemiology (APIC), the Association of periOperative Registered Nurses (AORN), and the Society for Healthcare Epidemiology of America (SHEA). Doe is active on several committees including Test Committee for the Certification Board of Infection Control & Epidemiology (CBIC) and the Advisory Council for the Pearce Foundation Environmental Services Optimization Playbook (EvSOP). She also served on the board of directors for California APIC Coordinating Council (CACC) in 2022.

"The "n" of one"

-Dr. Julie Gerberding, former CDC Director, 2004



Mom 86yr



Papa (1928-2017)

Session Description

Many long-term care IPs are unaware they are accountable for environmental cleaning and disinfection in their facilities. This session equips IPs with the essential skills necessary for compliant programs, including problematic pathogens, role of the environment in transmission, regulatory requirements, and best practices for achieving a sanitary environment.

Learning Objectives

1

Examine the role of the LTC environment in the transmission of pathogens.

2

Describe regulatory requirements for environmental cleaning and disinfection in LTC settings.

3

Identify the elements for an evidence-based cleaning and disinfection program for the LTC setting.

Background

The Importance of Environmental Cleaning & Disinfection in LTC Settings



Only **8.7%** of
IPs time
dedicated to
environmental
cleaning &
disinfection¹

1. New-ish IPC requirements (CMS)

2. Many new IPs in LTC settings

3. Population high-risk for infections

4. Cleaning & disinfection is essential

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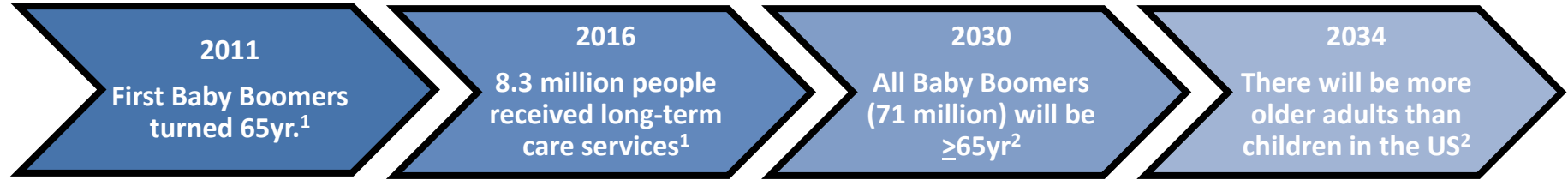


**What generation were you
born in to?**

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The Graying of America

Projections



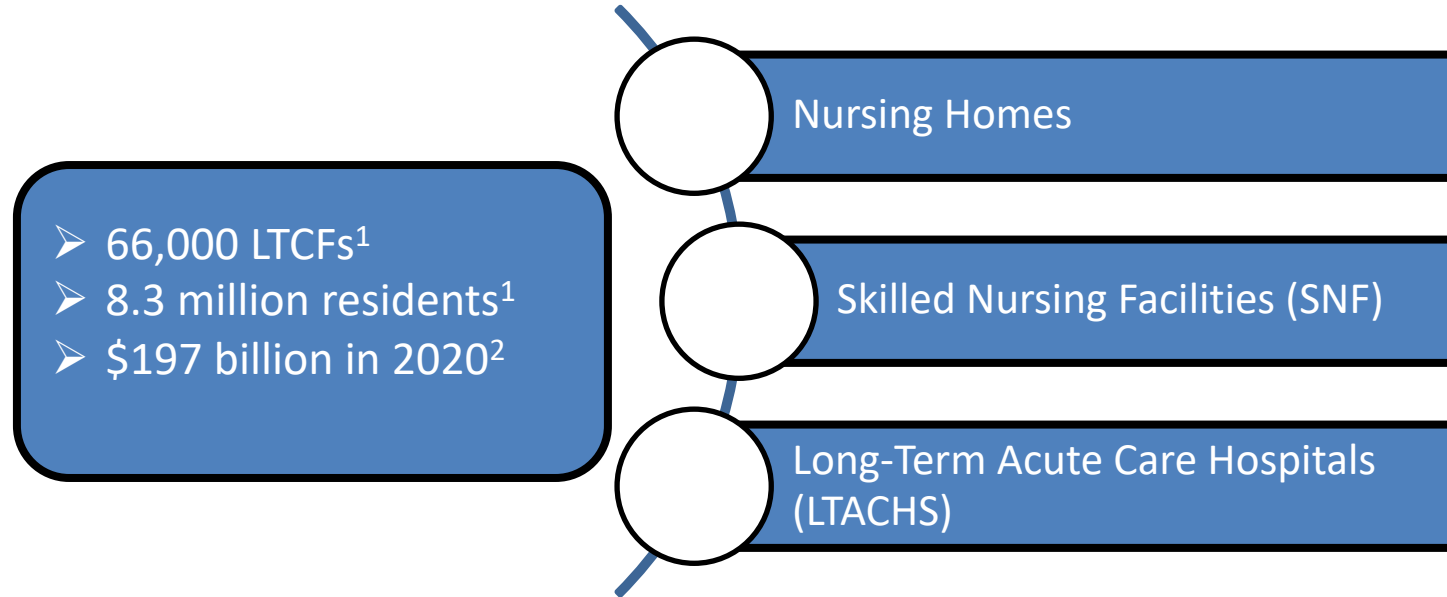
Key Facts:

- Every day, 10,000 Americans turn age 65yr.¹
- 85% of individuals over 65 have at least 1 chronic condition.³
- Most Americans >65yr will need long-term care services at some point in their lives.¹

References:

1. The Checkup. Long-Term Care Statistics 2022. [Internet]. [Cited 2022 May 20]. Available from <https://www.singlecare.com/blog/news/long-term-care-statistics/>
2. US Census Bureau. Older People Projected to Outnumber Children for First Time in US History. [Internet]. [Cited 2022 May 20]. Available from [https://www.census.gov/newsroom/press-releases/2018/cb18-41-population-projections.html#:~:text=E2%80%9CBy%202034%20\(previously%202035\),decade%20for%20the%20U.S.%20population.](https://www.census.gov/newsroom/press-releases/2018/cb18-41-population-projections.html#:~:text=E2%80%9CBy%202034%20(previously%202035),decade%20for%20the%20U.S.%20population.)
3. NIH. Supporting Older Patients with Chronic Conditions. [Internet]. [Cited 2022 May 20]. Available from <https://www.nia.nih.gov/health/supporting-older-patients-chronic-conditions>.

Where Aging Americans



References:

1. Consumer Affairs. Long-term care statistics [Internet]. [Cited 2022 Mar 20]. Available from <https://www.consumeraffairs.com/health/long-term-care-statistics.html#:~:text=There%20are%20about%2065%2C600%20regulated,people%20in%20assisted%20living%20facilities>
2. Skilled Nursing News. National Nursing Home Spending [Internet]. [Cited 2022 Mar 20]]. Available from <https://skillednursingnews.com/2021/12/national-nursing-home-spending-reaches-196-8-billion-in-2020/#:~:text=Nursing%20facilities%20and%20continuing%20care,%2422.6%20billion%20more%20than%202019.>

Nursing Home Census Increasing

**\$7800/month
for shared
room!**

This number is
expected to
double by 2030!¹

**1.35 million nursing home
residents¹**

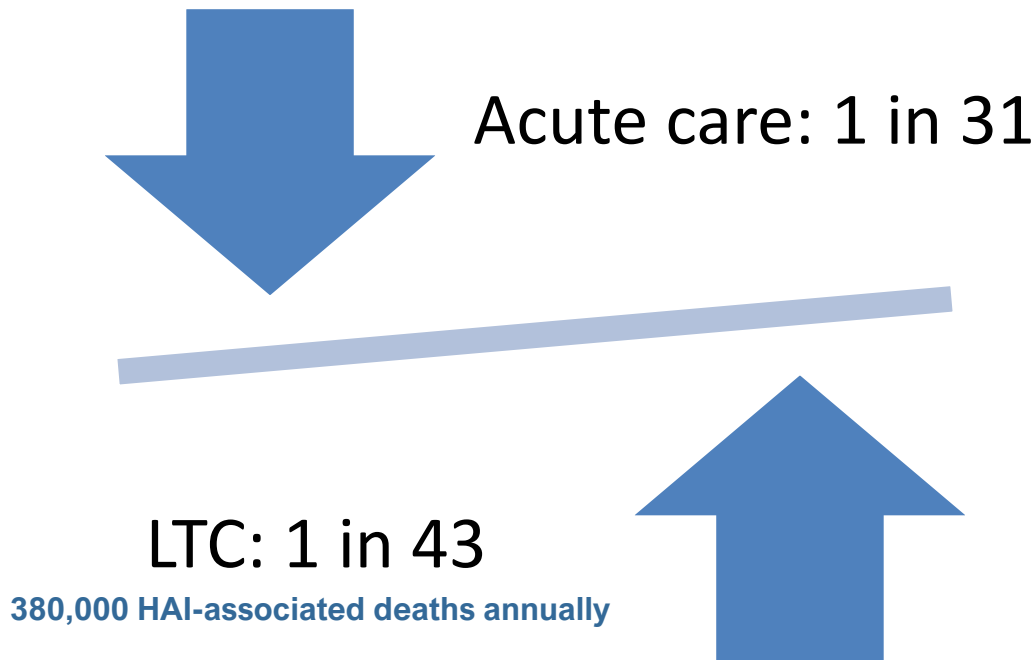
Population
shifts

Increasing Life
Expectancy

Increased Risk

Reference: Consumer Affairs. Long-term care statistics [Internet]. [Cited 2022.03.20]. Available from <https://www.consumeraffairs.com/health/long-term-care-statistics.html#:~:text=There%20are%20about%2065%2C600%20regulated,people%20in%20assisted%20living%20facilities>

HAI Rates in Long-Term Care



References:

CDC. Nursing Homes and Assisted Living (Long-term Care Facilities [LTCFs]) [cited 2019 Sep 6]. Available from: <https://www.cdc.gov/longtermcare/index.htm>

CDC. HAI Data Portal, 2021. Available from <https://www.cdc.gov/hai/data/portal/index.html>

CDC. HAI and Antibiotic Use Prevalence Survey. Available from <https://www.cdc.gov/hai/eip/antibiotic-use.html>

The Cost and Impact of HAIs in Long-Term Care

380,000 deaths annually

HAI cost \$38M-2B annually

Antibiotic treatment increases risk of MDROs

Administrators forced to shift resources

Facility closures

References:

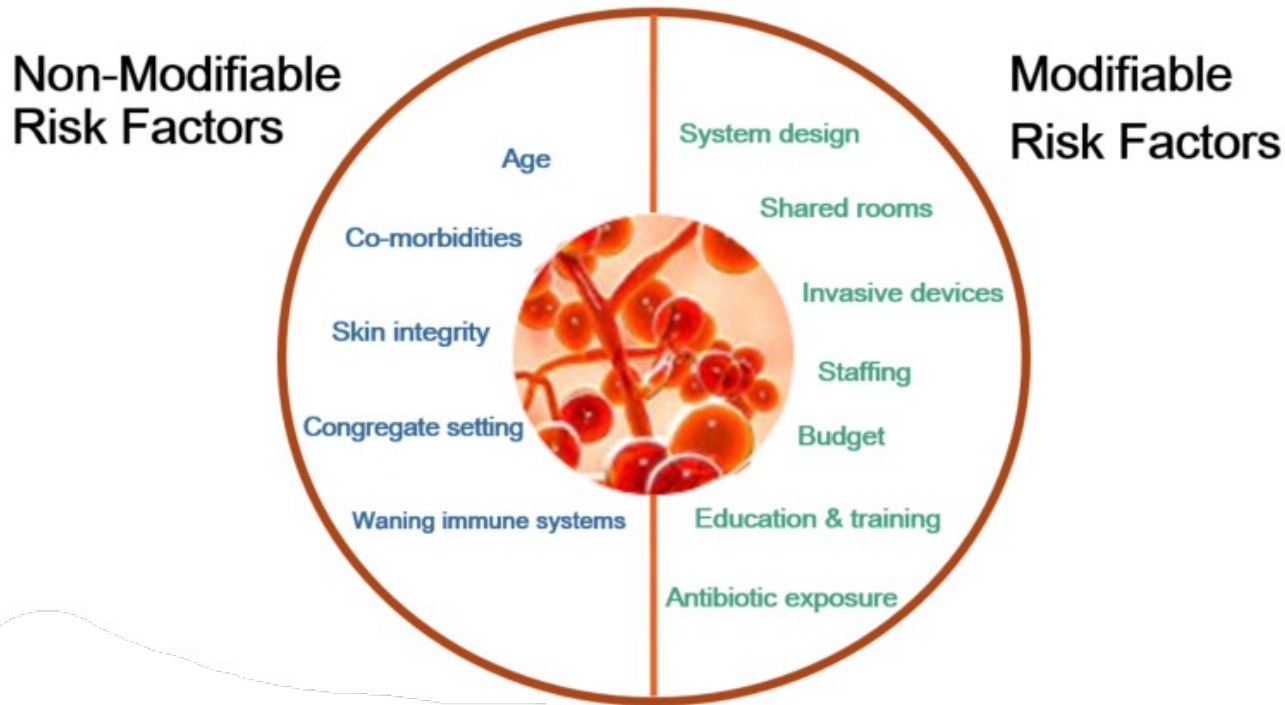
1. Cohen CC, Choi YJ, Stone PW. Costs of infection prevention practices in LTC settings: A systematic review. Nurs Econ. 2016;34(1) 16-24.
2. CDC. NHSN tracking infections in long-term care facilities. [Internet]. [Cited 2022 May 22]. Available from <http://www.cdc.gov/nhsn/LTC/>

The Cost and Impact of HAIs in Long-Term Care



"Environmental cleaning & disinfection is a low cost, high yield, evidence-based just-do-it intervention"
-Doe Kley

HAI Risk



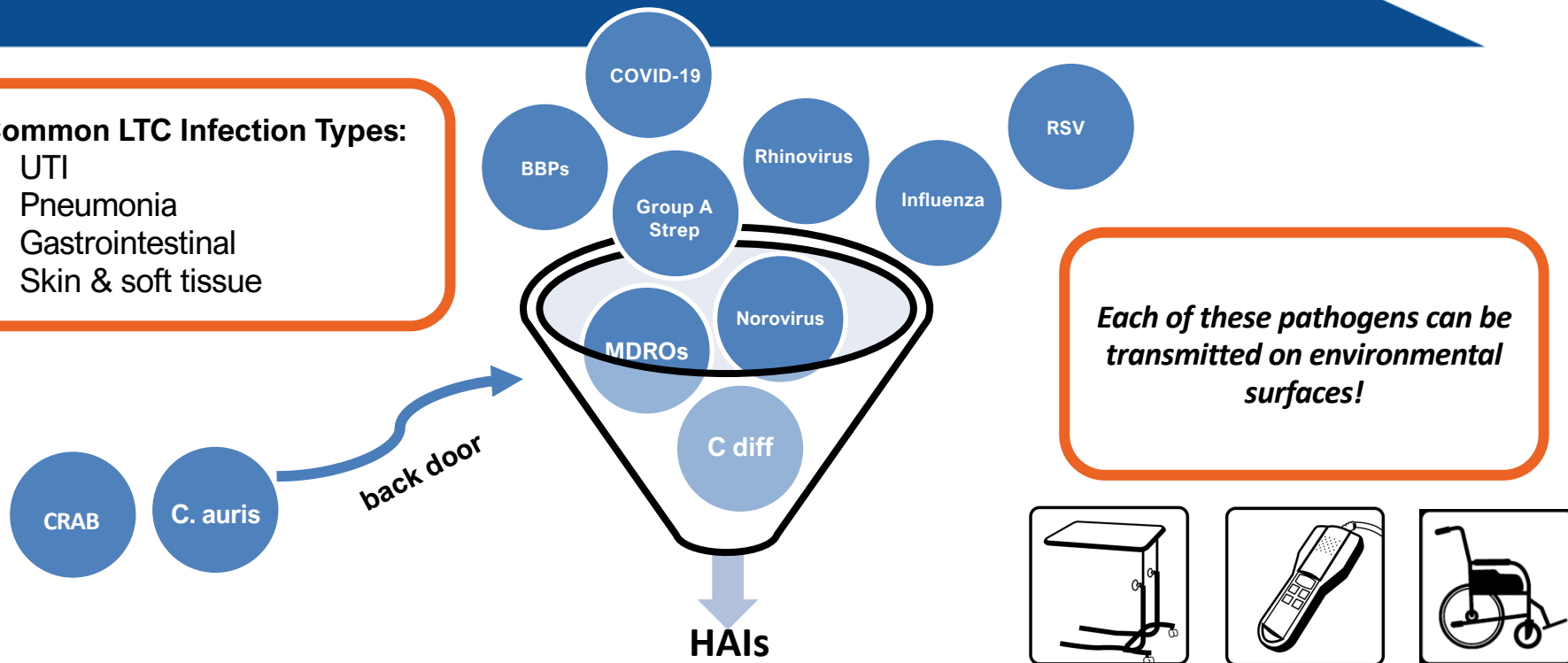
Reference:

Infection Prevention Guide to Long-Term Care. 2nd ed. Arlington, VA: APIC; 2019.

Most Common Pathogens in LTC Settings

Common LTC Infection Types:

- UTI
- Pneumonia
- Gastrointestinal
- Skin & soft tissue



References:

1. Richards M. Causes of infection in long-term care facilities: An overview [Internet]. [Cited 2022 May 1]. Available from <https://www.uptodate.com/contents/causes-of-infection-in-long-term-care-facilities-an-overview>.
2. Cannon JL, Park GW, Anderson B, Leone C, Chao M, Vinje J, et al. Hygienic monitoring in LTCFs using ATP, crAssphage, and human noroviruses to direct environmental surface cleaning. AJIC. 2022; 50:289-294.

And there are even more pathogens...

| Infection Type | Top 2 Causative Agents | |
|--|---------------------------------------|---|
| Pneumonia | Streptococcus pneumoniae ² | Gram negative bacilli ² |
| Ventilator-associated Pneumonia (VAP) | Pseudomonas aeruginosa ¹ | Staphylococcus aureus ¹ |
| Catheter-associated Urinary Tract Infection (CAUTI) | Pseudomonas aeruginosa ¹ | Escherichia coli ¹ |
| Central Line Bloodstream Infection (CLABSI) | Enterococcus faecalis ¹ | Coagulase negative Staphylococcus (CONS) ¹ |

References:

1. Weiner-Lastinger LM, Abner S, Edwards JR, Kallen AJ, Karlsson M, Magill SS, et al. Antimicrobial-resistant pathogens associated with adult healthcare-associated infections: Summary of data reported to the National Healthcare Safety Network, 2015-2017. Infect Control Hosp Epidemiol. 2019 Nov, 25:1-18
2. UpToDate [Internet]. Causes of infection in long-term care facilities: An overview. 2018 Oct 2 [cited 2019 Dec 7]. Available from <https://www.uptodate.com/contents/causes-of-infection-in-long-term-care-facilities-an-overview>

Multidrug-resistant Organism (MDRO) Prevalence

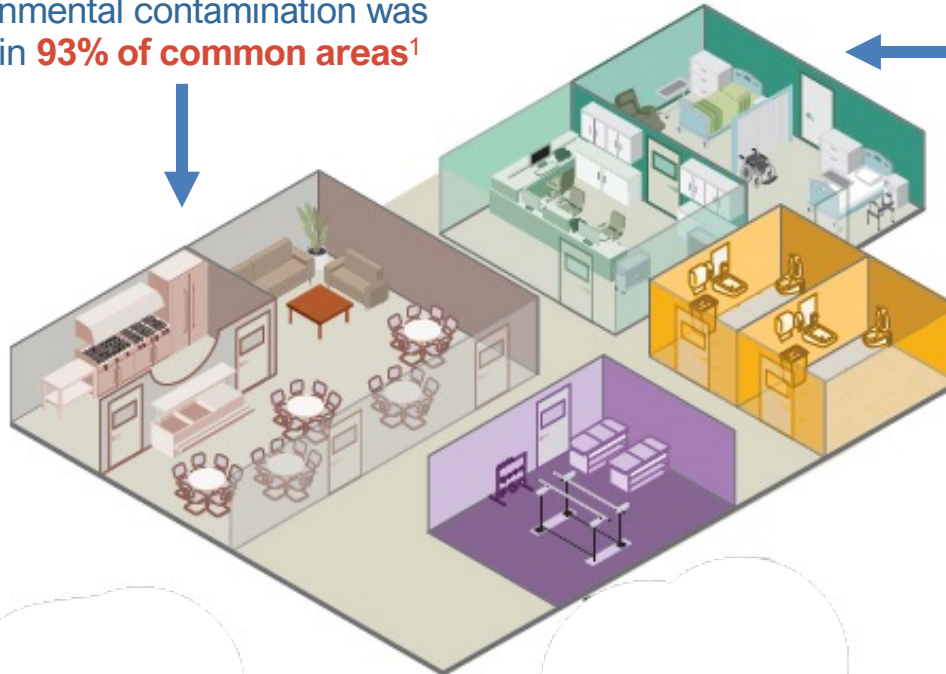
Environmental contamination was found in **93% of common areas**¹

Environmental contamination was found in **74%-100% of resident rooms**^{1,2}

45-80% of residents harbor an MDRO - most without a known MDRO history^{1,3}



Created by ainul muttaqin from the Noun Project



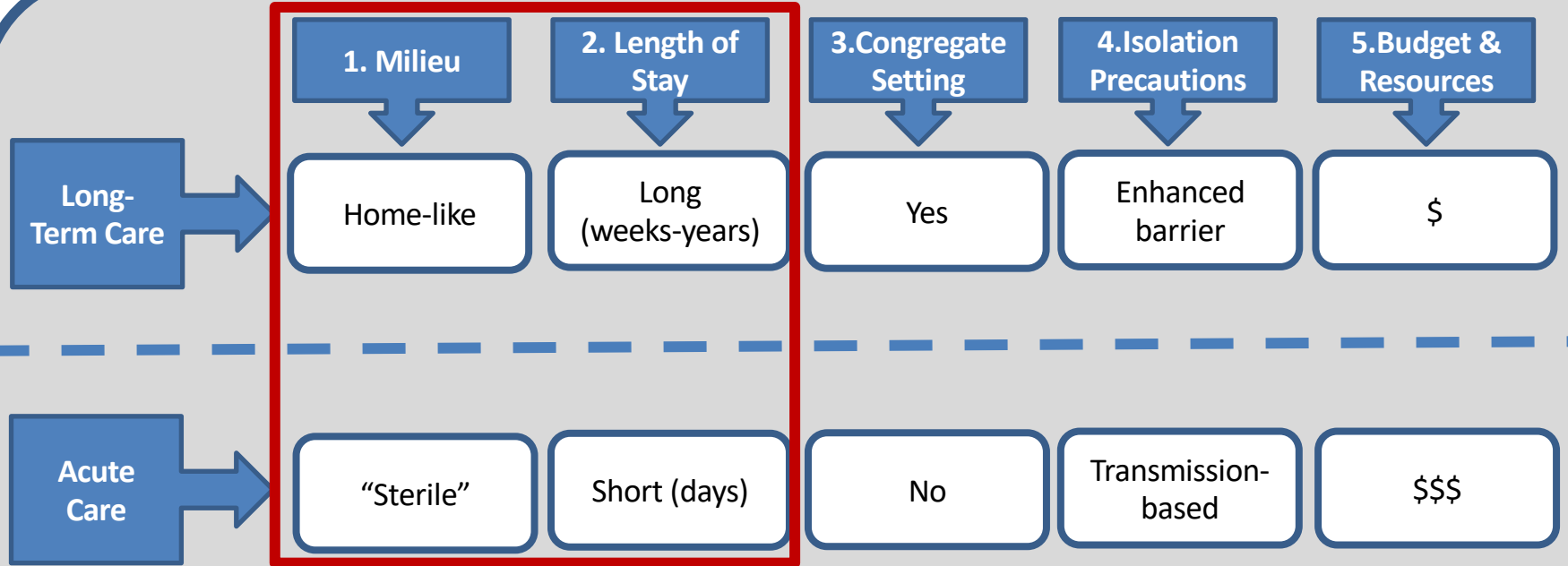
MDROs tested for¹:

- MRSA
- ESBL
- VRE
- CRE

References:

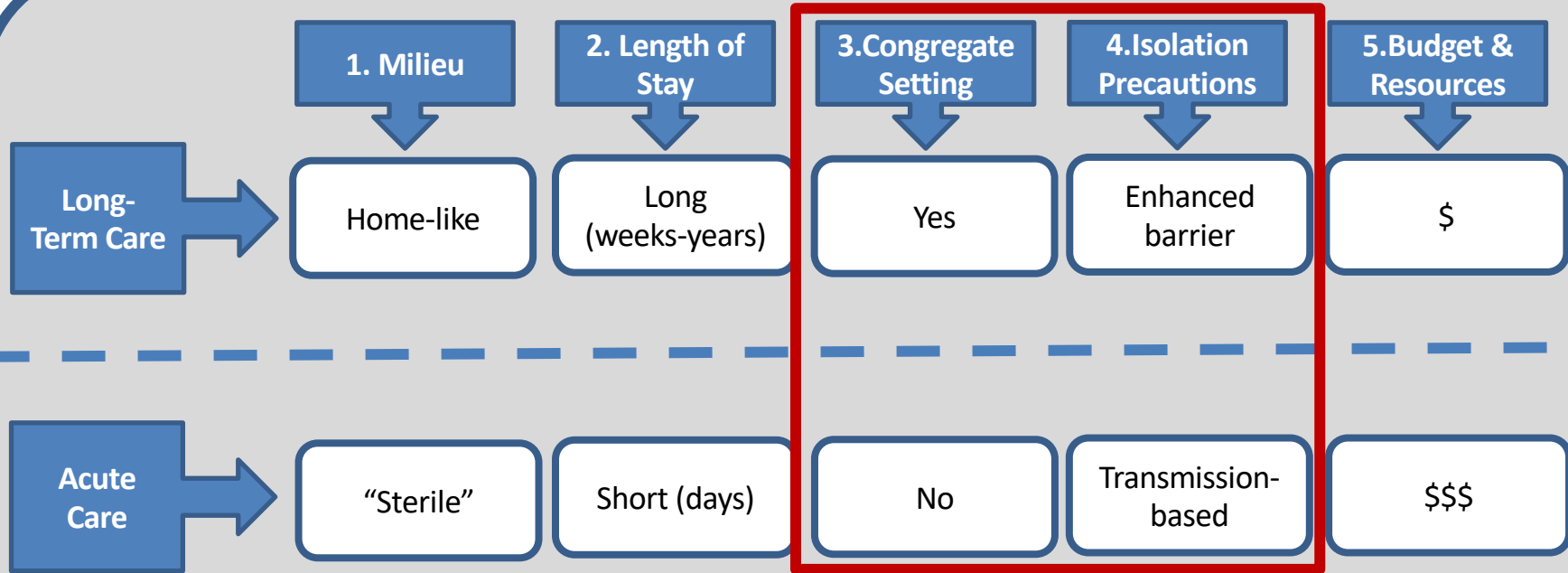
1. McKinnell J, Miller L, Singh R, Walters D, Peterson E, Huang S. High Prevalence of MDRO Colonization in 28 NHs: An Iceberg Effect. JAMDA. 2020;21(12):1937-1943
2. Cassone M, Wang J, Lansing B, Mantey J, Gibson K, Gontjes K, et al. Proceeding from SHEA 2022. Poster: Diversity and persistence of MRSA and VRE in NHs: Environmental screening and whole-genome sequencing. ASHE. 2022;2:s80.
3. McKinnell J, Singh R, Miller L, Kleinman K, Gussin G, He J, et al. The SHIELD Orange County Project: MDRO Prevalence in 21 NHs and LTACHs in So Cal. Clin Infect Dis. 2019;69(9):1566-1573.

Cleaning in LTC Setting is Different



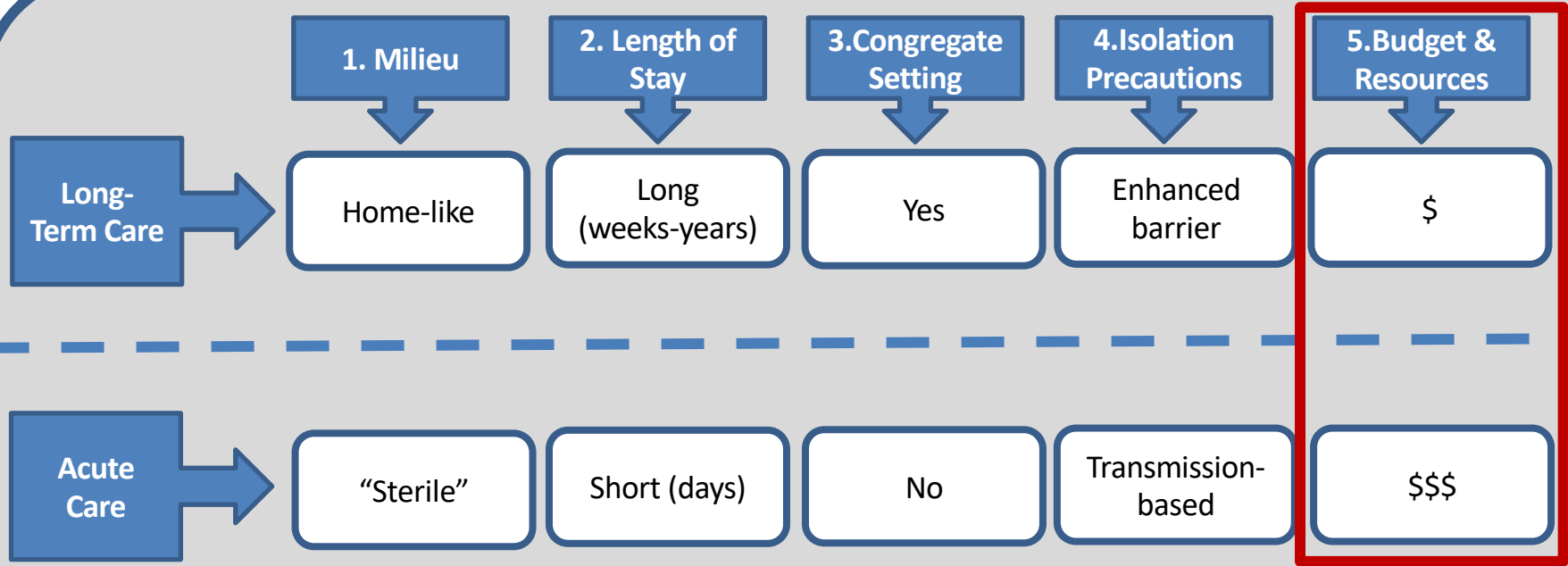
Learn more about CDC's Enhanced Barrier Precautions here: <https://www.cdc.gov/hai/containment/PPE-Nursing-Homes.html>

Cleaning in LTC Setting is Different



Learn more about CDC's Enhanced Barrier Precautions here: <https://www.cdc.gov/hai/containment/PPE-Nursing-Homes.html>

Cleaning in LTC Setting is Different



Learn more about CDC's Enhanced Barrier Precautions here: <https://www.cdc.gov/hai/containment/PPE-Nursing-Homes.html>

Cleaning and Disinfection Challenges

A recent CMS Pilot Project (2015-2018) found that **80% of facilities** have serious gaps in environmental cleaning programs.¹

Common findings among EVS programs:

Lack of training
and competency

Failure to adhere
to IFUs

Lack of auditing
practices &
compliance – no
feedback

Lack of medical
equipment
cleaning policies

Use of cotton
mops



Reference:

Ogundimu, A. Proceedings from APIC 2019: Association for Professionals in Infection Control and Epidemiology on Infection Prevention and Control (IPC) Practices in Nursing Homes: Findings from a CMS Infection Control Pilot Project. Philadelphia, PA.

The Environments Role in Transmission

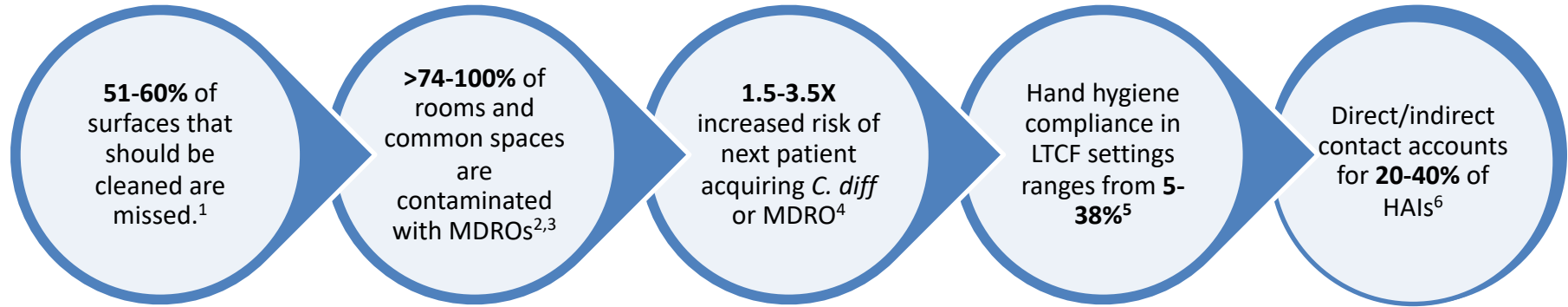
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**What percent of surfaces
that should be cleaned are
missed?**

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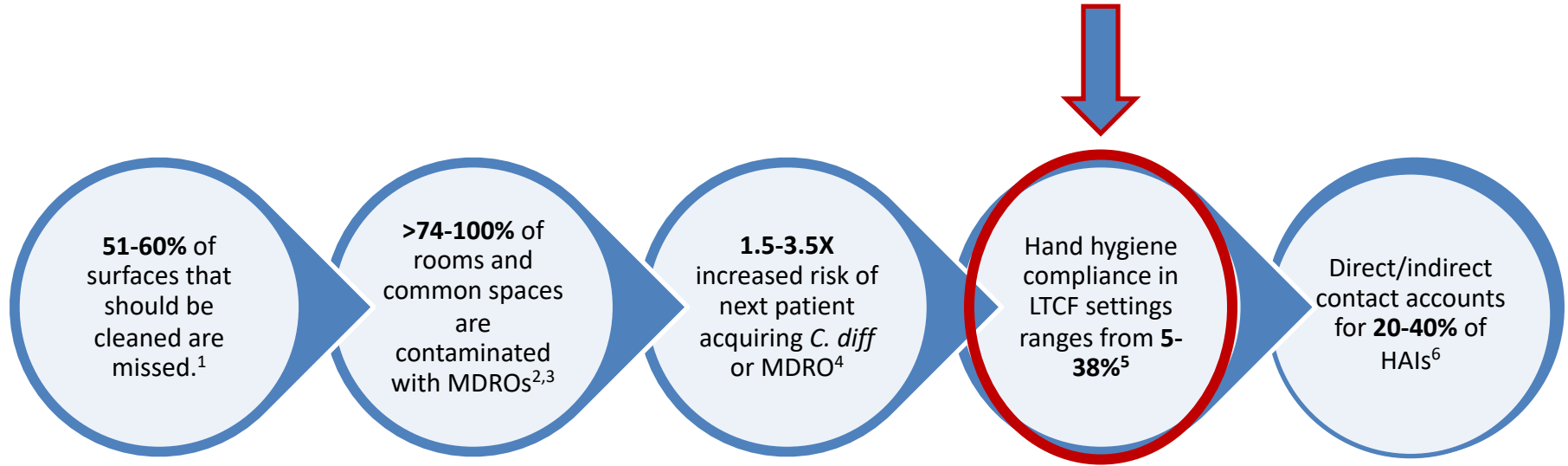
Contribution of Improper Cleaning to Transmission



References:

1. Carling PC, Bartley JM. Evaluating hygienic cleaning in health care settings: what you do not know can harm your patients. *AM J Infect Control*. 2010;38:S41-50
2. McKinnell J, Miller L, Singh R, Walters D, Peterson E, Huang S. High Prevalence of MDRO Colonization in 28 NHs: An Iceberg Effect. *JAMDA*. 2020;21(12):1937-1943
3. Cassone M, Wang J, Lansing B, Mantey J, Gibson K, Gontjes K, et al. Proceeding from SHEA 2022. Poster: Diversity and persistence of MRSA and VRE in NHs: Environmental screening and whole-genome sequencing. *ASHE*. 2022;2:s80.
4. Chemaly R, Simmons S, Dale C, Ghantaji S, Rodriguez M, Gubb J, et al. The role of the healthcare environment in the spread of MDROs: update on current best practices. *Ther Adv Infect Dis*. 2014;2(3-4), 79-90.
5. Haenen A, Greeff S, Voss A, Liefers J, Hulscher M, Huis A. Hand hygiene compliance and its drivers in LTCFs; observations and a survey. *Antimicrob Resist Infect Control*. 2022; 11(50)
6. Suleyman G, Alangaden G, Bardossy A. The Role of Environmental Contamination in the Transmission of Nosocomial Pathogens and HAIs. *Curr Infect Dis Rep*. 2018; 20:12

Contribution of Improper Cleaning to Transmission



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2. McKinnell J, Miller L, Singh R, Walters D, Peterson E, Huang S. High Prevalence of MDRO Colonization in 28 NHs: An Iceberg Effect. *JAMDA*. 2020;21(12):1937-1943
3. Cassone M, Wang J, Lansing B, Mantey J, Gibson K, Gontjes K, et al. Proceeding from SHEA 2022. Poster: Diversity and persistence of MRSA and VRE in NHs: Environmental screening and whole-genome sequencing. *ASHE*. 2022;2:s80.
4. Chemaly R, Simmons S, Dale C, Ghantaji S, Rodriguez M, Gubb J, et al. The role of the healthcare environment in the spread of MDROs: update on current best practices. *Ther Adv Infect Dis*. 2014;2(3-4), 79-90.
5. Haenen A, Greeff S, Voss A, Liefers J, Hulscher M, Huis A. Hand hygiene compliance and its drivers in LTCFs; observations and a survey. *Antimicrob Resist Infect Control*. 2022; 11(50)
6. Suleyman G, Alangaden G, Bardossy A. The Role of Environmental Contamination in the Transmission of Nosocomial Pathogens and HAIs. *Curr Infect Dis Rep*. 2018; 20:12

Common LTC Pathogen Survival Time on Surfaces

| PATHOGEN CLASS | PATHOGEN | SURFACE VIABILITY |
|----------------|---|-------------------|
| BACTERIA | C. difficile ¹ | 5 months |
| | E. coli ² | Several years |
| | Enterococcus sp. (inc. VRE) ² | 4 months |
| | Staphylococcus aureus (MRSA) ² | 10 months |
| | Pseudomonas aeruginosa ² | 10 days |
| | Streptococcus pneumoniae ² | 1 month |
| VIRUSES | COVID-19 ² | 1 week |
| | Hepatitis B virus ² | 2 weeks |
| | Hepatitis C virus ³ | 5 days |
| | HIV ² | 1 week |
| | Influenza A Virus ² | 2 weeks |
| | Norovirus ² | 2 weeks |
| | Rhinovirus ² | 1 day |
| FUNGI | Candida auris ² | 2 weeks |

Frequency of Residents Contact with the Environment

8 LTCFS across 6 states

>500hrs and 1,726 observations in common areas

12 resident-environment and 26 staff-environment contacts per hour on average

Common areas with the most frequent environmental contact included:

- Dining room,
- PT/OT,
- Group recreation areas, and
- Courtyard

Reference:

Pineles L, Perencevich E, Roghmann M, Gupta K, Cadena, J, Barocco G, et al. Frequency of Nursing Home Resident Contact with Staff, other Residents, and the Environment outside Resident Rooms. Infection Control & Hospital Epidemiology. 2019;1-3. <https://doi.org/10.1017/ice.2019.117>.

How Fast Does Transmission Happen?

67-bed nursing home study

Viral traces was seeded onto volunteer hands.



Within 4hr, viral tracer found on **49%** of surfaces throughout the facility



| Location | Commonly Contaminated Surfaces |
|------------------|--|
| Entryway & Lobby | Elevator button, handrails |
| Dining Room | Door handles, chairs |
| Nurses' Station | Tables, charts, desk, stapler, phone |
| Team Room | Door handles, table, chair, light switch |
| Resident Rooms | Door handles, dresser, bedside table, call light |
| Activity Room | Refrigerator handle, faucet handle, food tray table, chair, game table |
| Shower Room | Door handles, faucet handle, handrails |

Hygiene interventions reduced the viral tracer by 99%!

Reference:

Sassi, H., Sifuentes, L., Koenig, D., Nichols, E., Clark-Greuel, J., Wong, L., McGrath, K., Gerba, C., and Reynolds, K. Control of the spread of viruses in a long-term care facility using hygiene protocols. Am J Infect Contrl. 2015; Vol 43: 702-6.

Fecal Matter Contamination in LTCFs

High-touch surfaces tested for norovirus, crAssphage*, and adenosine triphosphate (ATP)**



>90% of surfaces failed ATP testing and tested positive for the fecal indicator virus



*The most prevalent bacteriophage in the human gut
 **The “energy currency” of all living cells

11 LTCFs



| High-touch Surfaces | Comments |
|---|--|
| Handrails Equipment controls Patient beds | 4X more likely to have fecal contamination. |
| Bed rails Resident lounges | Also had high levels of ATP and the fecal indicator virus. |

Portable Equipment



- Glucometers
- Stethoscopes
- Thermometers
- Pulse oximeters
- Bladder scanner
- Vital signs machines

Created by Nanda
from Noun Project

Reference

Donskey C. Beyond high-touch surfaces: Portable equipment and floors as potential sources of transmission of HAIs. AJIC. 2019; 47: A90-95.

Regulatory Requirements for Cleaning & Disinfection in LTCF Settings

Key Regulatory Bodies - Cleaning & Disinfection



Centers for Medicare and Medicaid Services (CMS)

Federal Agency

Focus: Quality care for beneficiaries



Public Health Departments

State and Local Agencies

Focus: Protect/improve health of populations



US Environmental Protection Agency (EPA)

Federal Agency

Focus: Registration of pesticides (e.g., disinfectants)



Occupational Safety and Health Administration (OSHA)

Federal Agency (some state-level plans)

Focus: Worker safety

CMS: Key Infection Control Requirements: 42 CFR Part 483.80



Infection control risk assessment

Antimicrobial stewardship

Designated and trained Infection Preventionist

Key Resources:

[Appendix PP: Guidance to Surveyors for Long Term Care Facilities](#)

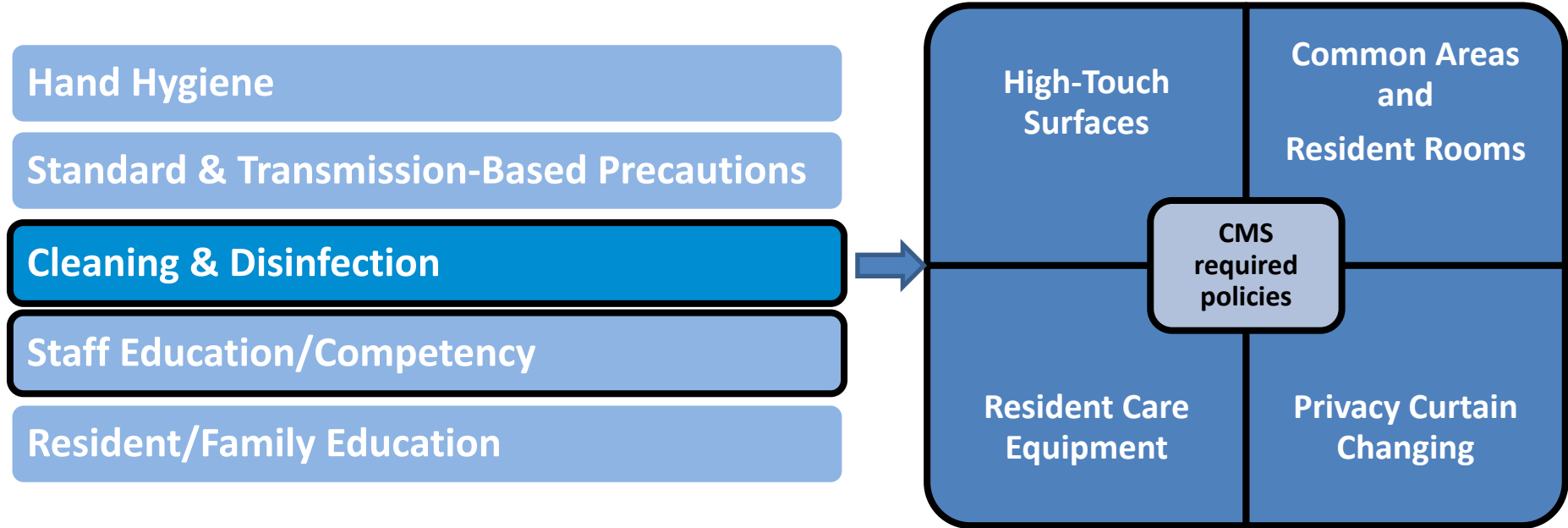
[CMS Revised LTC Surveyor Guidance Memorandum](#)

Non-compliance



Lost revenue \$\$\$

CMS Required Infection Control Policies for LTC



Reference:
 CMS. State Operations Manual Appendix PP, 2017 [Internet]. [cited 2022 May 2]. Available from <https://www.cms.gov/medicare/provider-enrollment-and-certification/guidanceforlawsandregulations/downloads/appendix-pp-state-operations-manual.pdf>

OSHA

| | |
|--|---|
| Biological Hazards – Infectious Diseases (29 CFR 1910.1030) | Includes the Bloodborne Pathogens Standard <ul style="list-style-type: none">• PPE• Cleaning up blood/body fluid spills• Medical waste |
| Hazardous Chemicals (29 CFR 1910.1200) | 29 CFR 1910.1200 PPE Handling and storing cleaning supplies Hazards communication <ul style="list-style-type: none">• Safety Data Sheets (SDS)• Training• Labels |
| Slips/Trips/Falls (29 CFR 1910.22) | Floors clean and dry – spill clean up, wet floor signs Do not obstruct corridors |
| COVID-19 Healthcare Standard | The ETS was withdrawn (with exception of some documentation). Currently finalizing a permanent standard. |
| General Duty Clause (OSHA Act of 1970) | Catch-all for everything else! A work environment "free from recognized hazards that are causing or are likely to cause death or serious physical harm." |

Reference:
OSHA. eTools-Hospital-Housekeeping. [Internet]. [Cited 2022 May 9]. Available from <https://www.osha.gov/etools/hospitals/housekeeping>

The Environmental Protection Agency (EPA)



EPA-registered products are safe when used as directed



Product labels vs Master Labels: Master Label is the “one source of truth”



EPA requires following manufacturer IFUs – it’s the law!

Finding Master Labels

<https://ordspub.epa.gov/ords/pesticides/f?p=PPLS:1>

EPA Registration, Distributor Product, or Special Local Need Number:

The EPA Registration Number (EPA Reg. No.) appears on the label of all registered pesticides sold in the United States. To search for a particular Section 3 registration, enter the entire registration number (including the hyphen with no leading zeroes (i.e. 123456-12345), enter just the company number (the first set of digits before the hyphen) to search for all products related to that company (i.e. 123456)...

Elements of an Evidence-Based Cleaning & Disinfection Program for LTC Settings

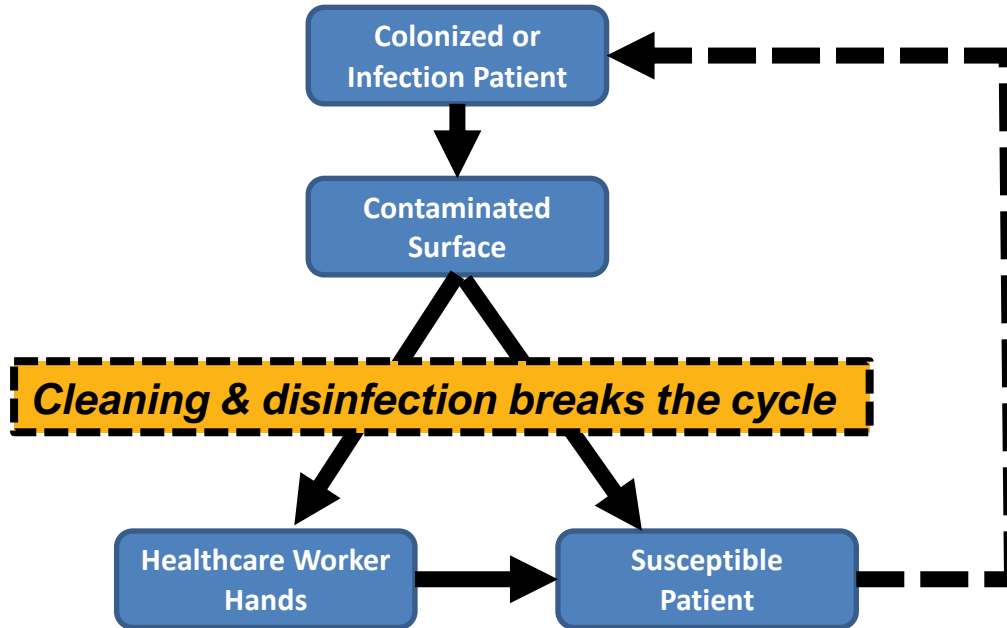
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**Have you reassessed your EVS
cleaning & disinfection program in
the last 12 months?**

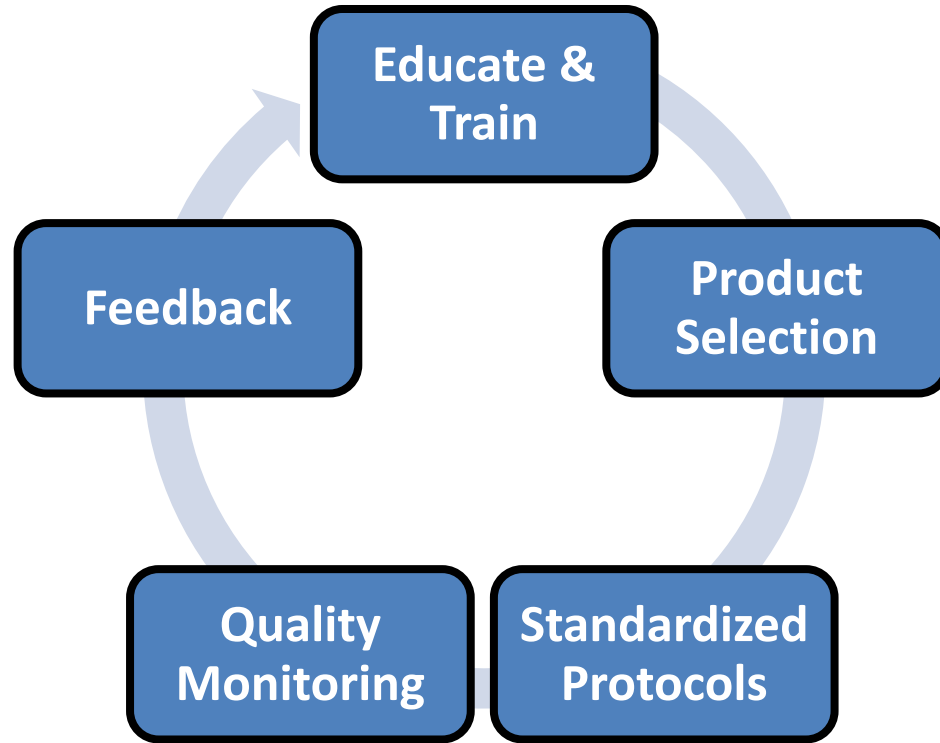
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Cleaning & Disinfection Breaks Infection Transmission



[Clean Hospitals HEHSAF](https://redcap.link/HEHSAF)
 Healthcare Environmental
 Hygiene Self-Assessment
 Framework (HEHSAF)
<https://redcap.link/HEHSAF>

Cleaning & Disinfection Program Core Components



Reference:
 CDC. Reduce Risk from Surfaces [Internet]. [Cited 2022 April 11]. Available from <https://www.cdc.gov/hai/prevent/environment/surfaces.html>

Core Component #1: Educate and Train



| What |
|-----------------------------------|
| Facility policies |
| Pathogen transmission |
| Impact of cleaning & disinfection |
| Safety |

| When |
|--|
| On hire and annually |
| New products or policy change |
| Re-train as needed based on audit findings |

Be sure to assess competency!

Core Component #2: Product Selection (con't)

Properties of the Ideal Disinfectant



Broad
spectrum

Surface
compatibility

Easy to
use

Remains wet
for full
contact time

Fast-
acting

Acceptable
odor

Safe

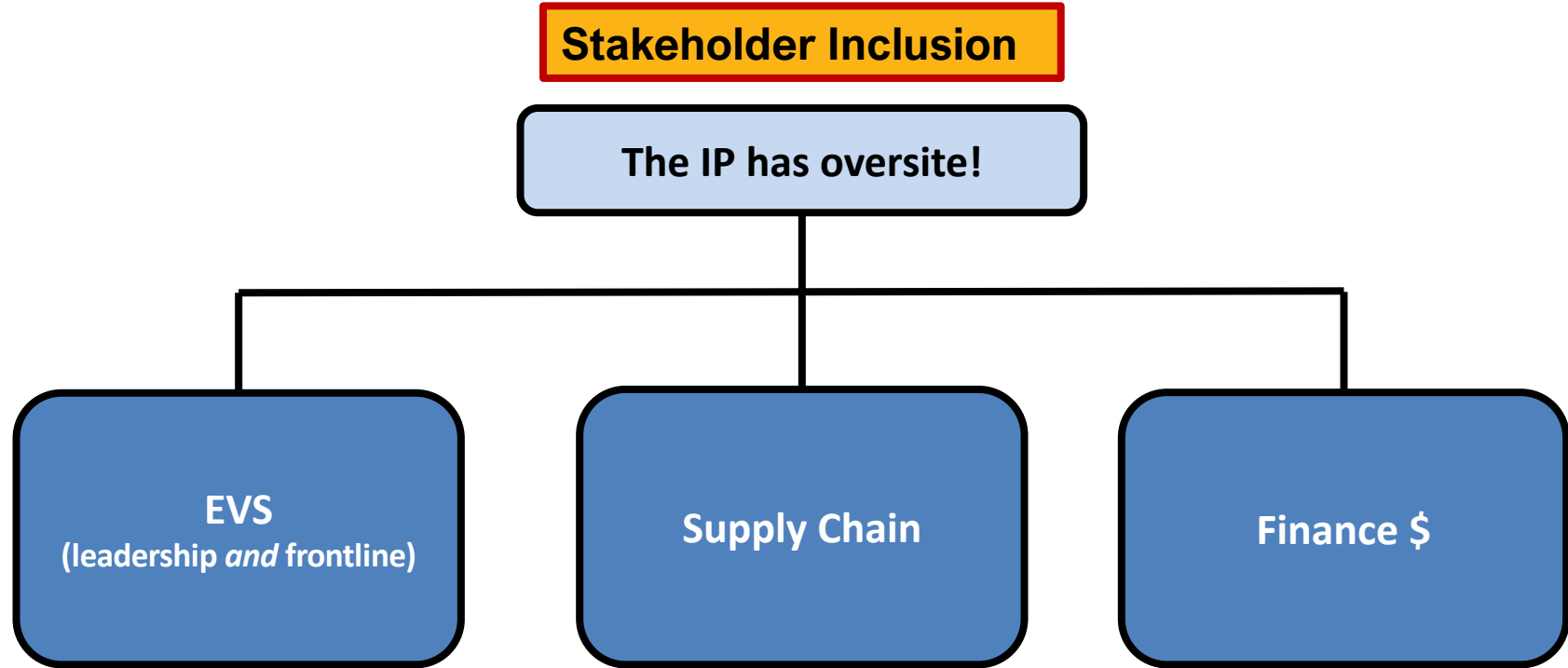
Pathogen Considerations:

- Claims for pathogens common to the specific setting.
- Claims for pathogens of concern specific to *your* facility.

Considerations for dilutables:

- **HAI risk** of improper dilution.
- **Wasteful**: Must discard remaining product.
- **Efficiency**: Secondary containers must be cleaned & disinfected.

Core Component #2: Product Selection (con't)



Core Component #3: Standardized Protocols



☐ Defined responsibilities

☐ Specific pathogens

☐ Supplies readily available

☐ Isolation room identification

☐ PPE

☐ Minimum cleaning times


☐ Readily accessible policies & protocols

References:

CDC. Reduce Risk from Surfaces [Internet]. [Cited 2022 April 11]. Available from <https://www.cdc.gov/hai/prevent/environment/surfaces.html>
 Joint Commission Resources. Environmental Infection Prevention: A Guide by Joint Commission Resources. 2018. Available from [TJC](#).

TOOL: Cleaning Responsibility Grid

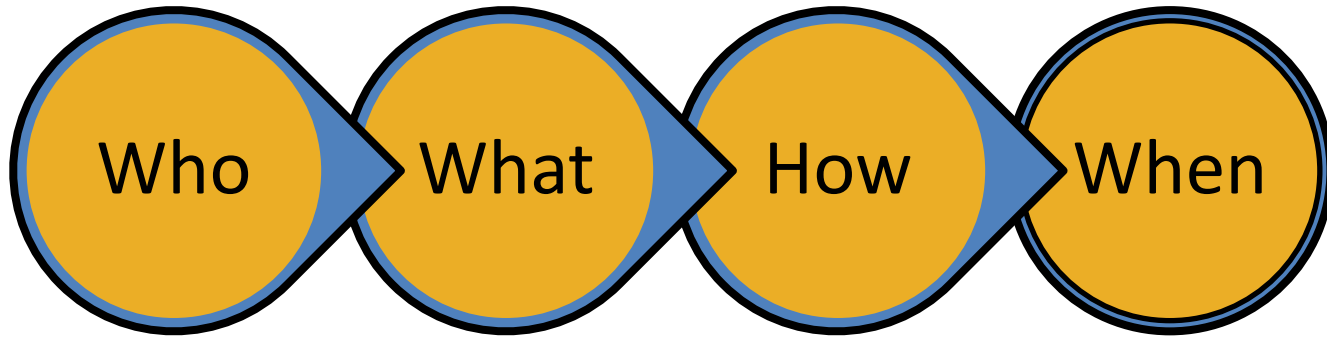


| WHAT | WHEN | WHO | HOW | |
|--|--|------------------------|--|---|
| ITEM | CLEANING FREQUENCY | RESPONSIBLE DISCIPLINE | APPROVED DISINFECTANT (& CONTACT TIME) | EQUIPMENT MANUFACTURERS IFU'S |
| Mobile vital signs machine | After each patient, when visibly soiled, any time in doubt | Nursing assistant | Product X quaternary ammonium ready-to-use wipes (1 min) |  Cleaning instructions.docx |
| Common Areas (e.g., dining room, activity hall, etc) | After each event | EVS | Product Y hydrogen peroxide ready-to-use wipes (1 min) | |
| Resident personal belongings | Scheduled | ??? | TBD | |

Core Component #4: Quality Monitoring



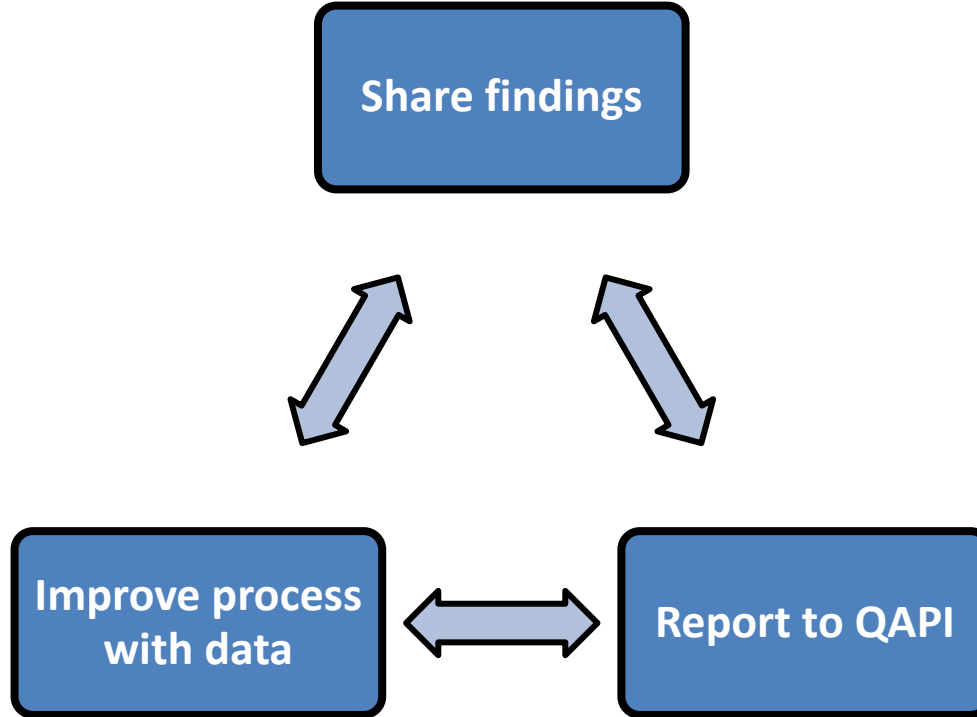
Quality Monitoring Strategy



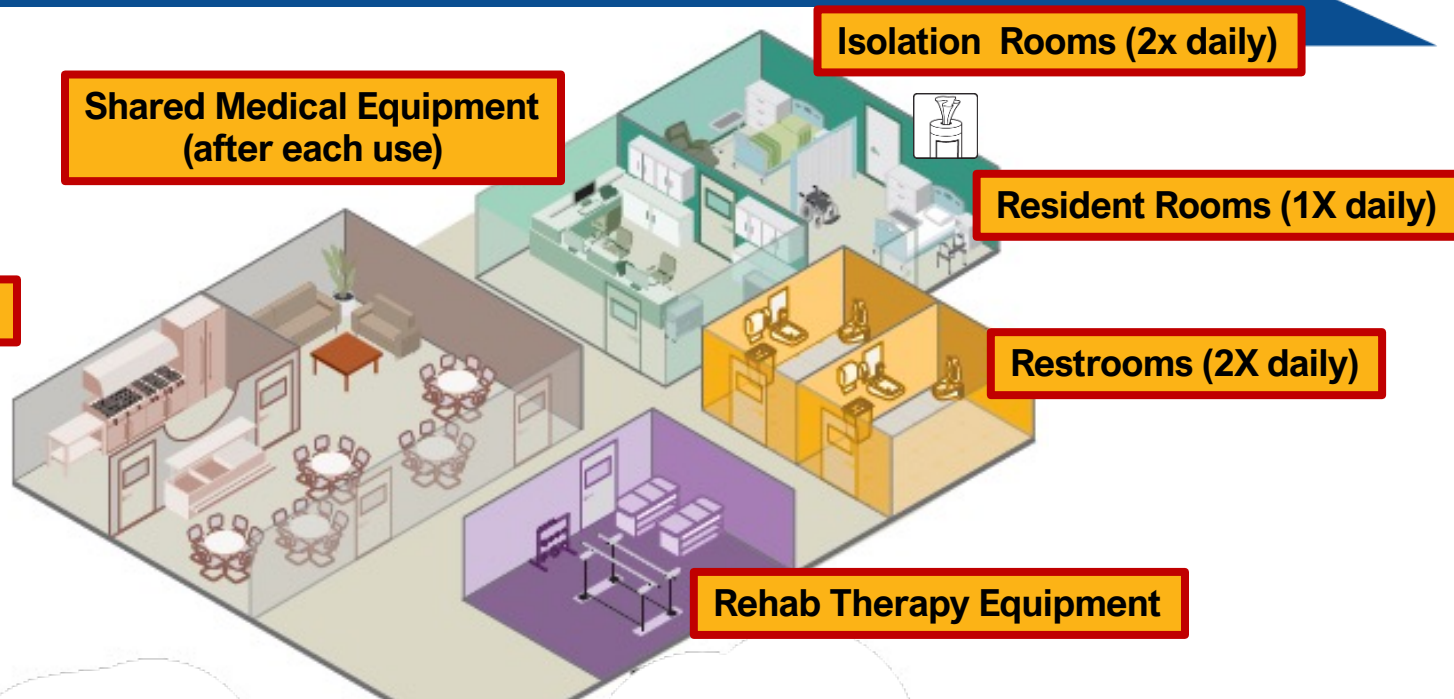
For sample size determination, see CDCs Appendix C in Options for Evaluating Environmental Cleaning:

<https://www.cdc.gov/HAI/toolkits/Appendices-Evaluating-Environ-Cleaning.html#c>

Core Component #5: Feedback



Where and When to Clean & Disinfect



TOOL: Cleaning Frequency Risk Assessment

<https://www.cdc.gov/hai/prevent/resource-limited/risk-assessment.html>

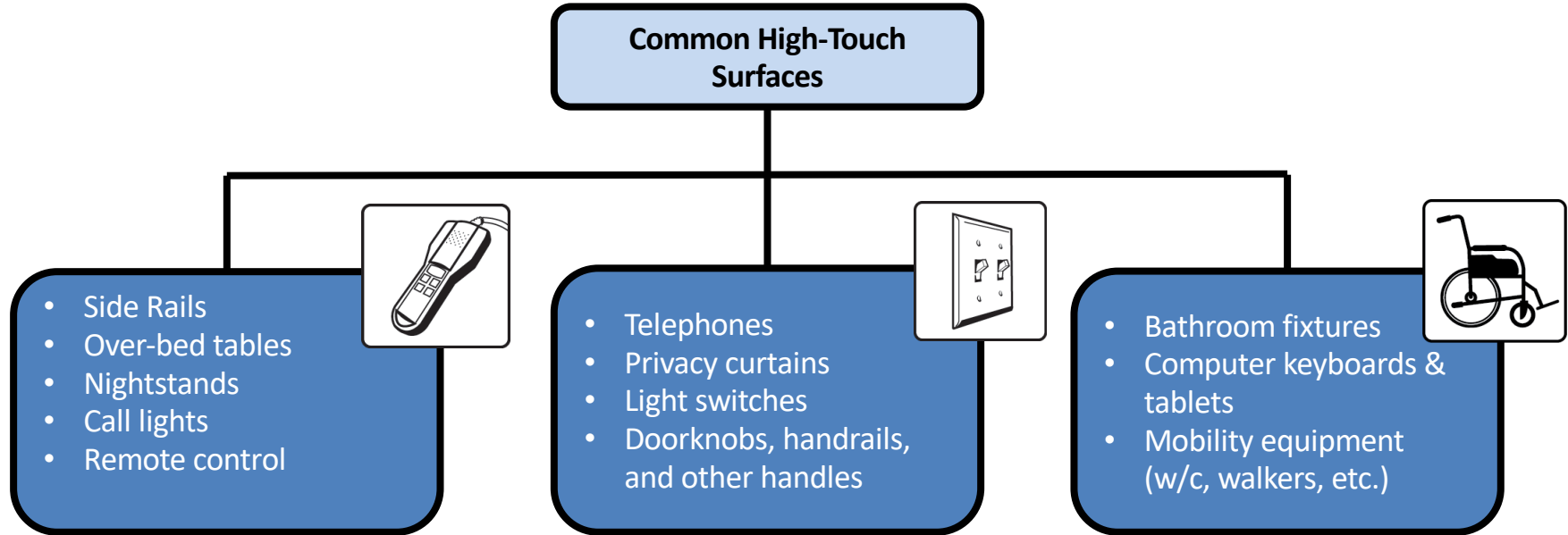
Reference:

CMS. State Operations Manual – Appendix PP – Guidance to Surveyors for Long Term Care Facilities, 2017. [Internet]. [Cited 2022 May 10]. Available from

https://www.cms.gov/manuals/Downloads/SOM107ap_pp_Guidelines_ltc.pdf

CDC. HAI: Environmental Cleaning Procedures. [Internet]. [Cite 2022 May 25]. Available from <https://www.cdc.gov/hai/prevent/resource-limited/cleaning-procedures.html>

High-Touch Surfaces

**Reference:**

1. Infection Prevention Guide to Long-Term Care. 2nd ed. Arlington, VA: APIC; 2019.
2. CMS. State Operations Manual – Appendix PP – Guidance to Surveyors for Long Term Care Facilities, 2017. [Internet]. [Cited 2022 May 10]. Available from https://www.cms.gov/manuals/Downloads/SOM107ap_pp_Guidelines_ltcf.pdf

TOOL: Gap Analysis

| REQUIREMENT | FACILITY POLICIES |
|--|---|
| State Regulation (Title 22): Cleaning of occupied patient areas, nurses' stations, work areas, halls, entrances, storage areas, rest rooms, laundry, pharmacy, offices, etc. | <p>Nurses Stations:</p> <p>Halls:</p> <p>Entrances:</p> <p>Storage Areas:</p> <ul style="list-style-type: none">• See EVS policy titled "Cleaning of Ancillary Areas Utility Rooms, Storage Rooms Elevators, and Meeting Rooms" <p>Rest rooms:</p> <ul style="list-style-type: none">• See EVS policy titled "Cleaning of Restrooms" <p>Laundry:</p> <ul style="list-style-type: none">• Unable to find policy on cleaning of the Laundry room• See EVS policy titled "Cleaning Linen Rooms" <p>Pharmacy:</p> <ul style="list-style-type: none">• See EVS policy titled "Cleaning of Pharmacy" <p>Offices (Ancillary area?)</p> <ul style="list-style-type: none">• See EVS policy titled "Cleaning of Ancillary Areas Utility Rooms, Storage Rooms Elevators, and Meeting Rooms" |

Process Surveillance

Areas to Consider Observing per CMS

- Hand hygiene
- Appropriate use of Standard and Transmission-based Precautions
- Point of care testing
- **Cleaning and Disinfection:**
 - ☐ **Equipment**
 - ☐ **Environmental Surfaces**
- Practices for resident care
- Linen management



Reference:

CMS 42 CFR Part 483.80 State Operations Manual, Appendix PP – Guidance to Surveyors for Long Term Care Facilities. [Internet]. [Cited 2022 May 13]. Available from <https://www.cms.gov/medicare/provider-enrollment-and-certification/guidanceforlawsandregulations/downloads/appendix-pp-state-operations-manual.pdf>

Process Surveillance



What to Include

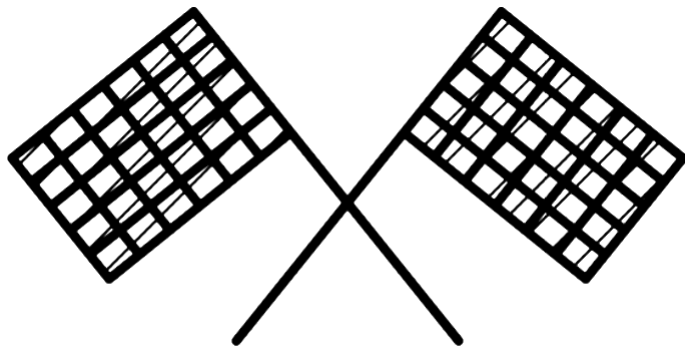
- Environmental surface cleaning
- Medical equipment cleaning
- Compliance with facility P&P
- Use of the correct product for the task
- Adherence to disinfectant IFUs including contact time



Reference:

CMS 42 CFR Part 483.80 State Operations Manual, Appendix PP – Guidance to Surveyors for Long Term Care Facilities. [Internet]. [Cited 2022 May 13]. Available from <https://www.cms.gov/medicare/provider-enrollment-and-certification/guidanceforlawsandregulations/downloads/appendix-pp-state-operations-manual.pdf>

The Finish Line



Key Take-Aways

1. Need for long-term care (LTC) is growing as the Baby Boomers age
2. The environment clearly plays a role in transmission and cleaning & disinfection breaks the chain of infection.
3. LTC settings have their own prevalent pathogens and unique C&D challenges
4. Solution: Robust cleaning and disinfection program using CDC Core Component, thoughtful product selection, and compliance with evidence-based practices.
5. Where to turn for regulatory requirements, policy development
6. Some useful tools were shared along the way

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