



# Infection Prevention Rounding

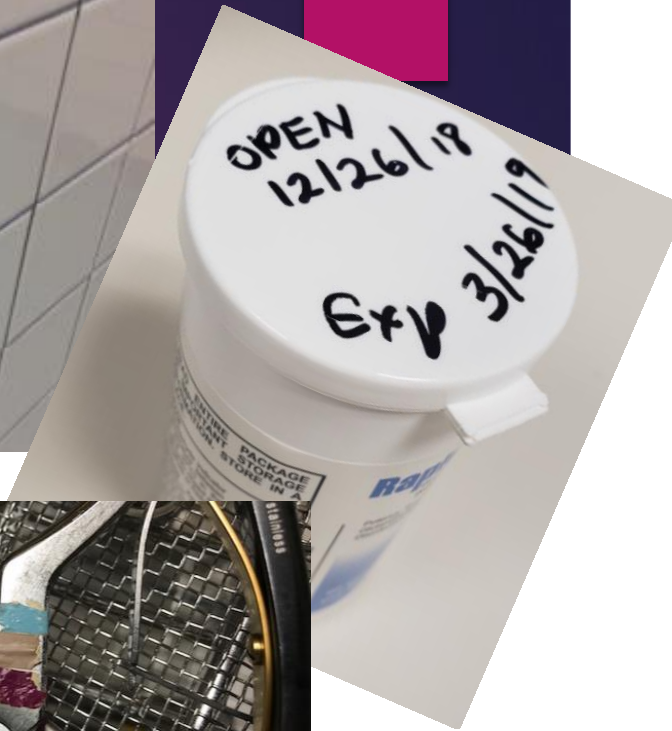
**Infection Prevention Boot Camp**  
**October 23, 2019**

*JILL LINDMAIR-SNELL, MSN, RN, CIC, FAPIC*

# Objectives

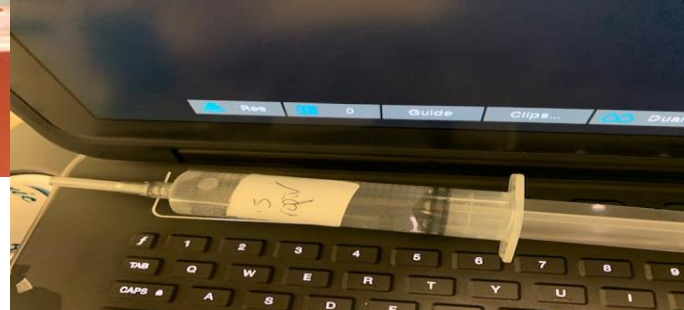
- ▶ Participants will be able to verbalize the importance of IP Rounding
- ▶ Participants will be able to identify best practices for IP Rounding
- ▶ Participants will be able to name areas where the IP Rounds
- ▶ Participants will be able to locate IP Rounding Resources

# Why is IP Rounding Important



Overfilled sharps container

Standard 1910.1030(d)(4)(iii)(A)(2)(iii)



# Importance of IP Rounding

**On any given day, about 1 in 31 hospital patients has at least one healthcare-associated infection.**

CDC, October 2019

<https://www.cdc.gov/hai/data/index.html>

# Importance of IP Rounding

- **Epidemiology & Surveillance**
- **Education**
- **IPC Rounding**
- **Cleaning, disinfection, sterilization**
- **Outbreak detection & management**
- **Emerging technologies**
- **Antimicrobial Stewardship**
- **Diagnostic Stewardship**

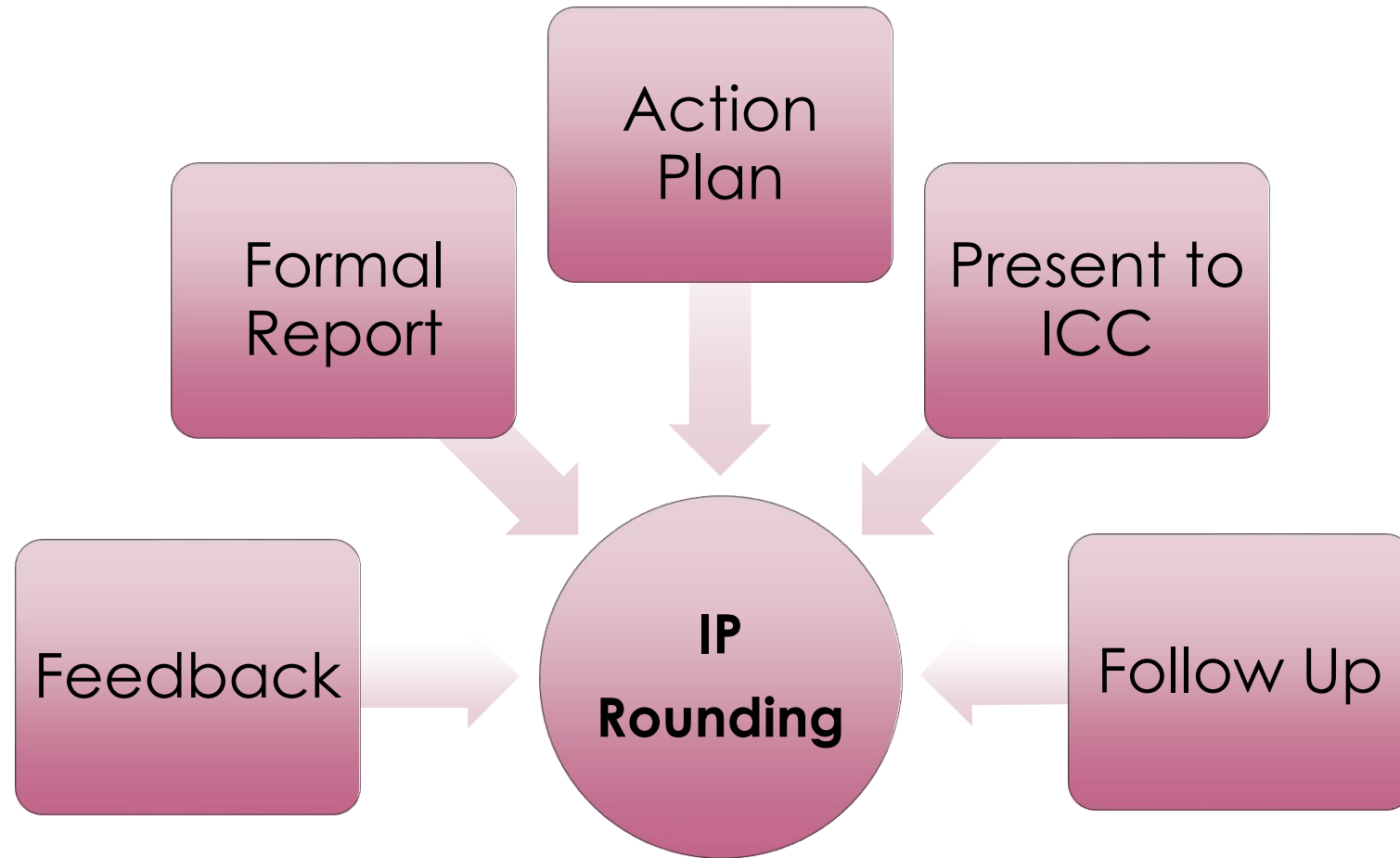
# Importance of IP Rounding



# Importance of IP Rounding

**“We’re glad  
someone comes  
down here to see to  
what we do”**

# Best Practices for IP Rounding





# Best Practices for IP Rounding

**Standardized  
Tool**

**Frequency**

**Schedule**

**Multidisciplinary Team**

**Measurement**

**Announced vs. Unannounced**



# Best Practices for IP Rounding

**5 Minute Rounding**

# IP Rounding Resources – APIC/CDC QUOT

## INDIVIDUAL AUDITS

- ▶ Clean areas
- ▶ Dirty areas
- ▶ Hand Hygiene Supplies
- ▶ Isolation
- ▶ Isolettes/Bassinets
- ▶ Medication Areas
- ▶ Needlestick Prevention
- ▶ Nutrition Prep Areas
- ▶ PPE Supply
- ▶ Point of Care testing
- ▶ Vaccine storage areas
- ▶ Visitor Areas

## SUITE TOOLS

- Ambulatory Care
- Critical Access Hospitals
- Device-Associated Infections
- High – Level Disinfection
- ICU
- Medication Areas
- NICU
- PACU
- Transmission-based precautions

<http://ipcobservationtools.site.apic.org/observation-tools-library/>

# IP Rounding



## Inpt units

Med/Surg  
ICU  
NICU  
Labor / Delivery  
Emergency



## Procedure areas

Surgery/SPD  
GI  
Bronchoscopy  
Dialysis  
Pain Management  
Radiology



## Outpatient

Physician Practices  
Urgent Care  
ASC  
Sleep Centers  
Wound Care

# Support Services



KITCHEN



LAB



PHARMACY



THERAPY



REHAB



LAUNDRY

# IP Rounding Resources - Isolation



- **Appropriate Isolation Category**
- **Visible Signage**
- **PPE available**
- **Single room or cohort**
- **Hand Hygiene**
- **Patient/Family education**
- **Equipment cleaning**

# IP Rounding Resources

## CMS Worksheet – HOSPITAL - IC Worksheet

- ▶ Hand Hygiene (pg. 9)
- ▶ Injection Practices & Sharps Safety (pg. 11)
- ▶ PPE/Standard Precautions (pg. 14)
- ▶ Reprocessing of Semi- & Critical Equipment (pg. 19)
- ▶ Single – Use Devices (pg. 27)
- ▶ Spinal Injection Procedures (pg. 38)
- ▶ Point of Care Devices (pg. 39)
- ▶ Precautions (pg. 40)
- ▶ Surgical Procedure (pg. 46)

DEPARTMENT OF HEALTH & HUMAN SERVICES  
Centers for Medicare & Medicaid Services  
7500 Security Boulevard, Mail Stop C2-21-16  
Baltimore, Maryland 21244-1850



**Center for Clinical Standards and Quality/Survey & Certification Group**

Ref: S&C: 15-43-ASC

**DATE:** June 26, 2015

**TO:** State Survey Agency Directors

**FROM:** Director  
Survey and Certification Group

**SUBJECT:** Advanced Copy - Update to Ambulatory Surgical Center (ASC) Infection Control  
Surveyor Worksheet (ICSW)

<https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/SurveyCertificationGenInfo/Downloads/Survey-and-Cert-Letter-15-12-Attachment-1.pdf>



# IP Rounding Resources

## ASC Infection Control Surveyor Worksheet



IP Program  
Hand Hygiene  
Injection Practices  
Sterilization/HLD  
Environmental Cleaning  
Point of Care Devices

1. Ambulatory Surgery Center Infection Control Surveyor Worksheet [https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/som107\\_exhibit\\_351.pdf](https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/som107_exhibit_351.pdf)

# IP Resources for Peri-op Areas:

- ▶ **AAMI:**

- ▶ Comprehensive guide to steam sterilization and sterility assurance in health care facilities (ST79)
- ▶ Chemical sterilization and high-level disinfection in health care facilities (ST58)
- ▶ Flexible and semi-rigid endoscope reprocessing in healthcare facilities (ST91)

- ▶ **APIC**

- ▶ **Infection Preventionist Guide to the OR (2018)**

- ▶ **AORN:**

- ▶ Guidelines for Perioperative Practice

- ▶ **CDC Guideline for Disinfection and Sterilization**

- ▶ **Disinfection & Sterilization**

- ▶ <https://disinfectionandsterilization.org/>

# IP Rounding: Peri-operative Services

## Pre-op

- HH
- Med administration
  - IV Fluids!
- Surgical site marking
- Point of care testing
- Equipment cleaning
- Clean storage
- Linen
- Environment

## Intra-op

- HH/Surgical Scrub
- Asepsis
- Surgical site prep
- Draping
- Med administration
- Sharps safety
- Room turnover
- Instrument reprocessing

## Post-op

- HH
- Med administration
- Equipment cleaning
- Isolation
- Soiled utility
- Patient food/refrigeration
- Staff eat/drink
- Environment

# IP Rounding Resources

## Sterile Processing

**Point of Use**

**Decontamination**

**Washer**

**Prep & Pack**

**Sterilization**

**Sterile Storage**

- ▶ Sterilization SPS Medical Sterilization Audit Checklist  
<http://www.ascquality.org/Library/sterilizationhighleveldisinfectiontoolkit/Sterilization%20Audit%20Checklist%20SPSmedical.pdf>

# IP Rounding Resources – High Level Disinfection/Sterilization

**Standard IC.02.02.01**

**Reducing the risk of infection associated with medical devices**



## Reprocessing: High Level Disinfection and Liquid Sterilization Process— “Dirty” Area Using Chemical Soak Method

HLD-2

*Instructions: Use this card and the one that precedes collectively. Observe area where instruments are reprocessed by a soaking method using a liquid chemical germicide. For each category, record the observation Sum all Yes and No responses. Divide by sum of “Yes” + “No”.*

Equipment Reprocessing – Dirty Area		Summary of Observations	
8	Are chemical potency test strips stored appropriately and labeled with “opened” and “use by” dates?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9	Are opened liquid chemical containers labeled with the date opened and the use-by date?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	Do log books show test strip quality control recording?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	Do log books show results of liquid chemical germicide potency testing?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	Are spill kits readily available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
13	Are safety data sheets (SDS, formerly known as MSDS) available for the chemicals used in the area?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
14	Are instrument instructions for use (IFUs) readily available for each equipment item reprocessed in the area?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
TOTAL			

# IP Rounding Resources – High Level Disinfection

# IP Rounding – HLD Areas

IFU

Staff  
competency

PPE / HH

Pre-cleaning

Transportation

Cleaning

Reprocessing

Storage

Documentation

Physical  
Environment

Maintenance

Reprocessing  
failures

# IP Rounding - Disinfection

## *Spaulding Classification*

Classification	Critical	Semi - Critical	Non - Critical
Patient Contact	Sterile tissue/cavities, Bloodstream	Mucous membranes/non-intact skin	Intact Skin
Process	Sterilization	HLD/Sporicidal chemical	Low level disinfection
Examples	Surgical instruments, implants	Flexible endoscopes, laryngoscopes, respiratory equipment	BP cuffs, wheelchairs, etc.



# IP Rounding: Ultrasound Probe

- Where is the probe used?
- What type of procedures?
- Is there a potential for exposure to blood during procedure?
- What is the process for determining if sheath is intact?
- Is there an IFU for the sheath?
- What is process after sheath removal?

# IP Rounding Resources: Ultrasound Probes

## IP Questions

## Department Answers

<b>Tell me more about how this probe is being used during a procedure.</b>	<b>The probe is used during procedures in interventional radiology.</b>
<b>What types of procedures is the probe used for?</b>	<b>Angiograms, venograms, biopsies, line placements, paracentesis, thoracentesis</b>
<b>What type of contact does the probe have with the patient?</b>	<b>None, we use a sterile sheath</b>
<b>What is the process for determining if the sheath is intact?</b>	<b>Observation during procedure and visual inspection upon completion of the procedure.</b>
<b>Is there an IFU for the sheath? What does it state?</b>	<b>Not available from the manufacturer</b>
<b>Is there a potential for exposure to blood during any of these procedures?</b>	<b>Only if the sheath has been punctured</b>
<b>What is the process after sheath removal?</b>	<b>Disinfection per the IFU.</b>

# IP Rounding: Ultrasound Probes

CDC	FDA
<p><b>"Ultrasound probes used during surgical procedures can contact sterile body sites. These probes can be covered with a sterile sheath to reduce the level of contamination on the probe and reduce the risk for infection. However, because the sheath does not completely protect the probe, the probes should be sterilized between each patient use as with other critical items. If this is not possible, at a minimum the probe should be high-level disinfected and covered with a sterile probe cover."</b></p>	<p><b>"For clinical applications of a semi-critical or critical nature (intraoperative, transrectal, transvaginal, transesophageal, or biopsy procedures), labeling should recommend, when appropriate, the use of sterile, legally-marketed probe sheaths. Note that the use of sheaths does not change the type of reprocessing that is recommended after each use."</b></p>
<p><b>"Do not use a lower category of disinfection or cease to follow the appropriate disinfectant recommendations when using a probe cover because these sheaths and condoms can fail."</b></p>	<p><b>"Probe used in a semi-critical application should be cleaned and sterilized or at least received high-level disinfection after use even if a sheath was used. Probes used for critical applications should be cleaned and sterilized after use even if a sterile sheath was used. <u>Sheaths can fail during use and contamination may not be easily visible.</u>"</b></p>
<p>Rutala, WA, Weber, JD. Healthcare Infection Control Practices Advisory Committee (HICPAC) &amp; Centre for Disease Control and Prevention (CDC). Guideline for Disinfection and Sterilization in Healthcare Facilities. 2008. Pages 19 and 89.</p>	<p>Food and Drug Administrations (FDA). Information for Manufacturers Seeking Marketing Clearance of Diagnostic Ultrasound Systems and Transducers (2008). Pages 17 and 57.</p>



Toolkit available:

[www.ultrasoundinfectionprevention.org](http://www.ultrasoundinfectionprevention.org)

# IP Rounding Resources - Dialysis

CDC:  
Assessment tool for  
Hemodialysis Facilities



<https://www.cdc.gov/infectioncontrol/pdf/icar/dialysis.pdf>



Catheter

- Connection & Disconnection
- Exit site care

Fistula/Graft

- Cannulation
- Decannulation

Dialysis  
Station

- Disinfection
- Hand Hygiene

<https://www.cdc.gov/dialysis/index.html>

# IP Rounding Resources – Laundry

- ▶ Healthcare Laundries Accreditation Council (HLAC)
  - ▶ Standards Manual
  - ▶ Standards Checklist
  - ▶ Sample Policy & Procedure
  - ▶ <https://www.hlacnet.org/>
  
- ▶ CDC “Guidelines for Environmental Infection Control in Health-Care Facilities”
  - ▶ Equipment, handling, process Pg. 153
  - ▶ Water Temp for Laundry pg. 63
  - ▶ <https://www.cdc.gov/infectioncontrol/pdf/guidelines/environmental-guidelines-P.pdf>
  
- ▶ Round annual w/ EVS

# IP Rounding Resources – Dietary

Food  
storage

Food  
Handling

Cleaning &  
Sanitizing

Garbage

Pest Control

Environment

Worker  
Appearance

# IP Rounding Resources – Dietary

**STOP CROSS CONTAMINATION**  
**USE CORRECT COLOUR CODED CHOPPING  
BOARDS AND KNIVES AT ALL TIMES!**

- RAW MEAT** 
- RAW FISH** 
- COOKED MEATS** 
- SALADS & FRUITS** 
- VEGETABLES** 
- DAIRY PRODUCTS** 

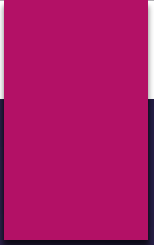








# Rounding Together



Mop  
bucket



# Janitor's Closet

**Is this room + or – pressure?**

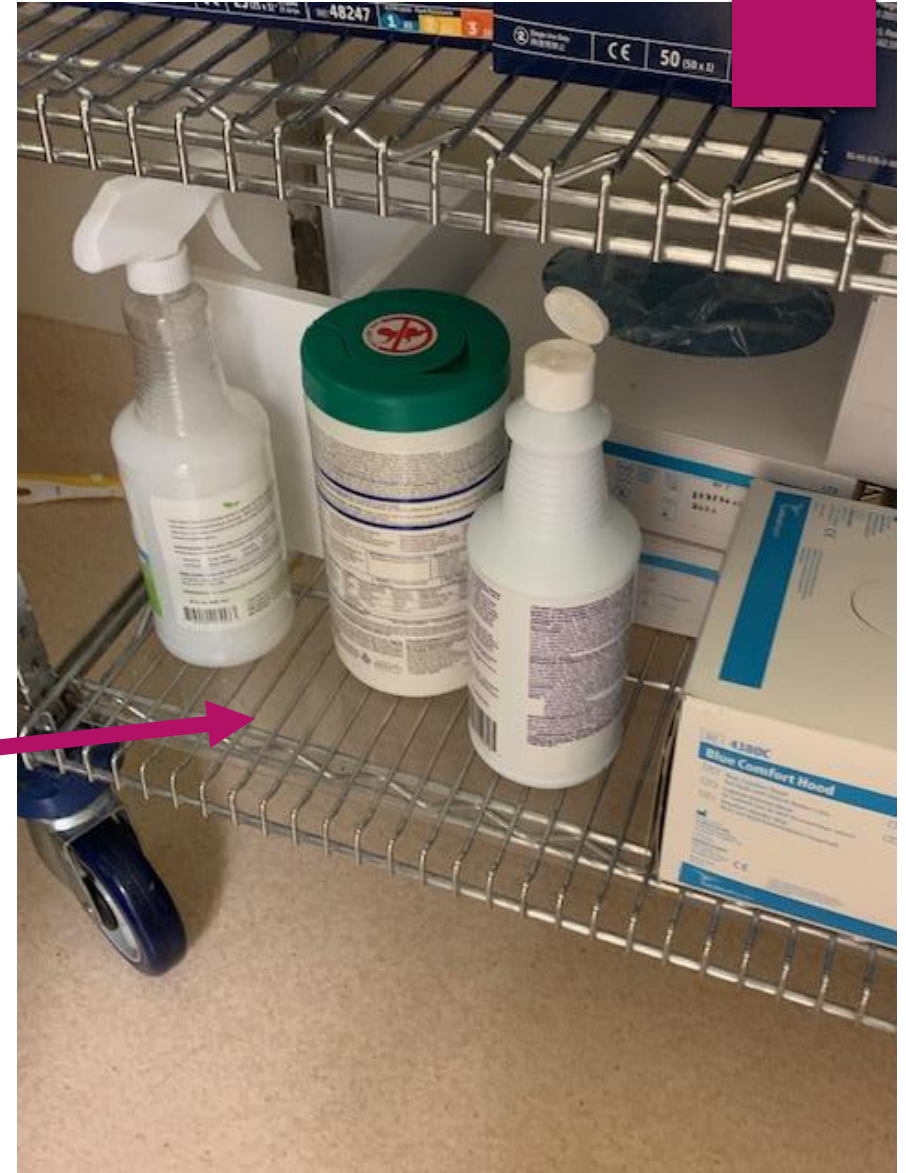
# Janitor Closet





## Storage Areas:

- ▶ Liquids below solids
- ▶ Solid bottom shelf liner in place





Outside shipping box



University of Nebraska  
Department of Entomology



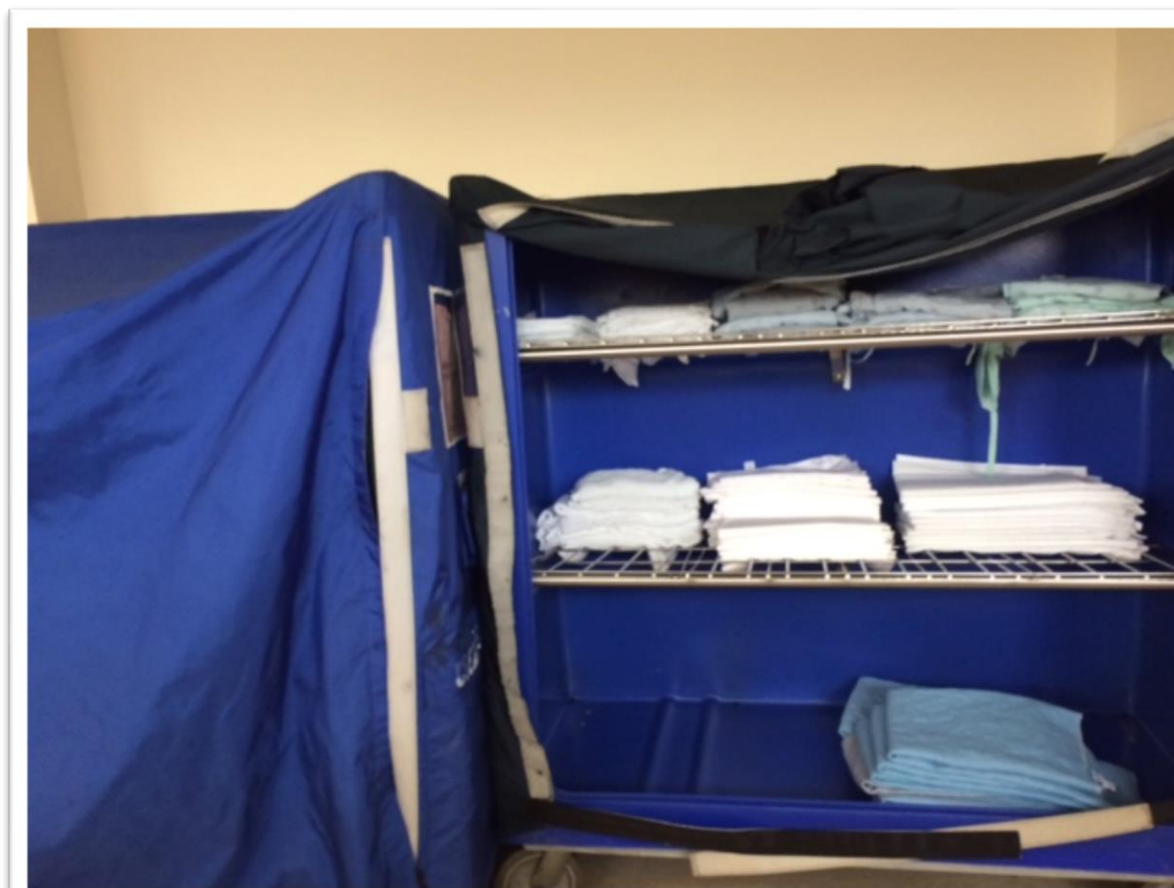






**Soiled Utility Area**

# Linen





# Sharps Container



ICU



# Hand Washing Sink



“Hand washing facilities should also be situated to avoid splashing - suggesting at least 36 in from patients or clean supplies, or equipped with a splash guard to avoid splash contamination”

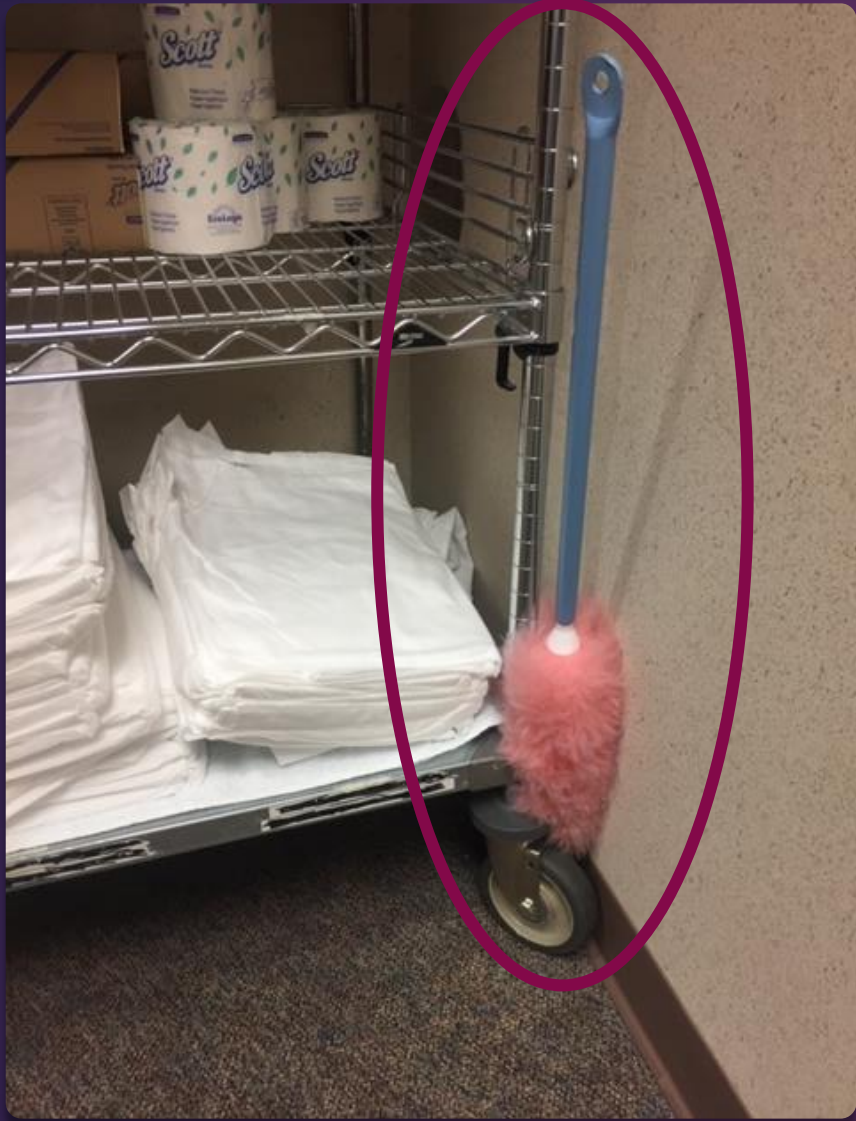
Bartley, 1999. pg 165

**APIC State-of-the-Art Report: The role of infection control during construction in health care facilities**

Judene Mueller Bartley, MS, MPH, CIC  
The 1997, 1998, and 1999 APIC Guidelines Committees



How many paper towels do you need?

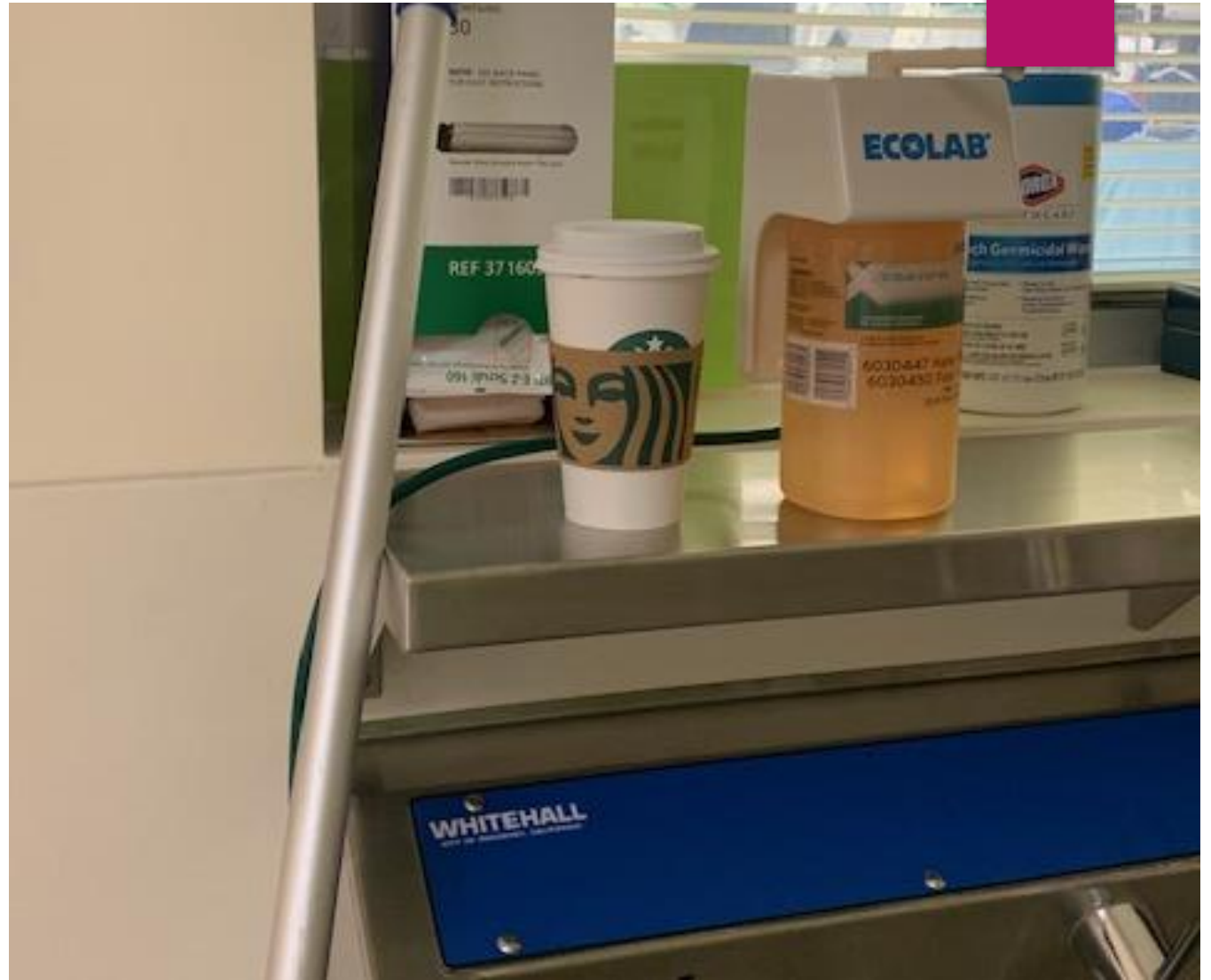


# Locker Room





Got coffee?





# Operating Room





# Positioning Device

- ▶ Torn
- ▶ Tape Residue



OR

- ▶ Positioning Devices



# Sterile Processing Dept.

Instrument tap and plastic dipping material are used to identify instruments. They wear out over time and need to be inspected every time the instrument is processed, replace as often as needed.

AAMI (2017), ST 79, pg. 40







# References

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