

Infection Control Guidelines for Healthcare Mobile Devices and Healthcare Professionals



Richter
LTPAC Performance Advisors
Enhancing Outcomes

Richter
LTPAC Performance Advisors

Pioneer

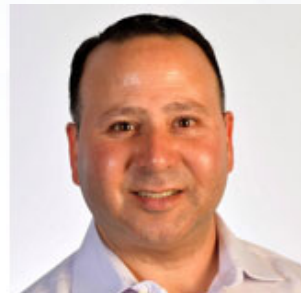
Enhancing Outcomes

Today's Presenters

Jennifer Leatherbarrow
RN BSN RAC-CT IPCO QCP CIC
Manager of Clinical Consulting



Ian Gelenter
SVP Healthcare
Pioneer Solution, Inc.



www.richterhc.com

Richter

LTPAC Performance Advisors

Enhancing Outcomes

What is the Current State of the Industry?

Richter

LTPAC Performance Advisors

Enhancing Outcomes

Current State of the Industry

- This year has been a whirlwind of changes regarding infection control policies, procedures, and practices
- Infection Control Focused Surveys
 - Civil Money penalties increased
 - Increased number of surveys for positive COVID cases
 - Increased number of surveys if sited for infection control
- What can you do to improve infection control with equipment and your person?

www.richterhc.com



Infection Control and Prevention and Your Equipment

Current standards are clearly not enough!

- Infection Prevention – it's only as good as the weakest link



Infection Prevention



Weak Link

© 2020 Pioneer Solution, Inc.



Warnings and Penalties with no clear guidelines...

COVID-19 Warning: Patients most important but equipment and environment also in dire need of best infection control attention

CMS to increase Penalties for Infection Control Violations in Nursing Homes, Reports 26,000 COVID-19 Deaths

Providers face fine up to \$20K for infection control deficiencies, CMS says

CMS Releases provider COVID-19 case, death totals to consumers on Nursing Home Compare

Citations and fines without assistance will not help us keep residents and staff safe from this virus

© 2020 Pioneer Solution, Inc.



Here's what you need to know:

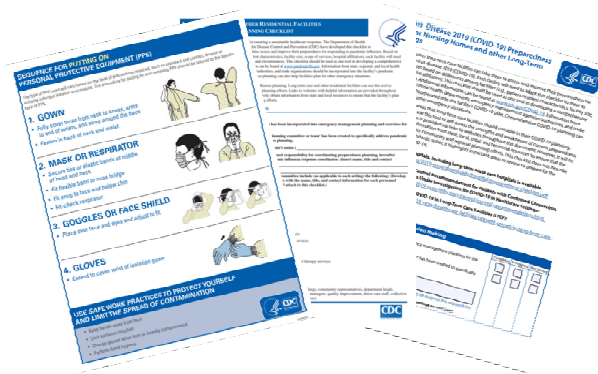
- How current CDC/CMS Infection Control Standards leave you vulnerable
- The important differences between Medical and Consumer Grade Devices
- Screening Guidelines For Devices - **Infection Control Appropriate (ICA)**
- An essential Check List For Mobile Device Screening

© 2020 Pioneer Solution, Inc.



Current Infection Control Standards are not enough

- They overlook risks concerning Mobile Device Technology



We have Infection Control protocols/guidelines for:

- Hand hygiene
- Respiratory hygiene / cough
- Personal protective equipment (PPE)
- Staff exposure
- Cleaning/disinfection, and
- How To Take Sick leave

Missing are Important Infection Control Guidelines For:

- **Mobile Device Screening for use in Healthcare**
- **Determining Infection Control Appropriate (ICA) devices**

© 2020 Pioneer Solution, Inc.



Infection Control risks with mobile devices



Microbe and Virus Growth

- Many plastic surfaces allow virus growth

Limitations in Cleanability

- Open ports, crevices, and corners are hard to clean
- Cords can be a source of cross-contamination
- Many plastics cannot tolerate bleach-based cleaners

Human Error in Cleaning Management

- Human error causes gaps in cleaning behaviors
- Are they cleaned before AND after every room visit
 - Or before but not after every room visit
 - Or only when the staff remembers

© 2020 Pioneer Solution, Inc.



Medical Grade vs. Consumer Grade Devices Infection Control Appropriate Starts Here

MEDICAL GRADE



- ✓ Built to be used in an Healthcare environment
- ✓ Anti-Microbial Plastic – Not spray-coated
- ✓ Sealed against all Liquids, Contaminants, and Dust
- ✓ Easily cleanable quickly and thoroughly
- ✓ Cleanable often with harsh bleach-based cleaners
- ✓ **Infection Control Appropriate (ICA)**

CONSUMER GRADE



- Built to be used in a Home or Business environment
- Standard Plastic With NO anti-microbial properties
- Open to all Liquids, Contaminants, and Dust
- Difficult to clean thoroughly due to design
- No bleach-based cleaners without degradation
- **NOT Infection Control Appropriate**

© 2020 Pioneer Solution, Inc.



Medical Grade vs. Consumer Grade Devices Infection Control Appropriate Starts Here

MEDICAL GRADE



- ✓ Built to be used in an Healthcare environment
- ✓ Anti-Microbial Plastic – Not-spray coated
- ✓ Sealed against all Liquids, Contaminants, and Dust
- ✓ No open Ports, Jacks, Crevices
- ✓ Easily cleanable quickly and thoroughly
- ✓ Cleanable often with harsh bleach-based cleaners
- ✓ Touchscreen usability with gloved hand
- ✓ **Infection Control Appropriate (ICA)**

CONSUMER GRADE



- Designed for Home and Business Environment
- Standard plastic – no anti-microbial properties
- Open to all Liquids, Contaminants, and Dust
- All open Ports, Jacks, Crevices
- Difficult to clean thoroughly due to design
- No bleach-based cleaners without degradation
- No Touchscreen usability with gloves
- **Not Infection Control Appropriate**

© 2020 Pioneer Solution, Inc.



Healthcare Mobile Device Screening Checklist

Infection Control Appropriate (ICA) devices should include the following criteria that can be easily observed or confirmed:

- ✓ Mobile Device is built with Anti-Microbial additive ensuring inefaceable resistance to microbe growth
- ✓ Anti-Microbial Certification based on testing and documentation from Manufacturer to keep at Facility
- ✓ Device is fully-sealed against Liquids, Contaminants and Dust
- ✓ Device has hidden, secured data ports, charge ports or jacks
- ✓ Device design provides the ability to be easily and thoroughly cleaned between every patient encounter
- ✓ Device has no difficult-to-reach areas and can be completely cleaned with no downtime
- ✓ Device housing must be durable enough to withstand bleach-based cleaners / disinfectant
- ✓ Touchscreen functions normally (without delay) with latex, nitrile or polyurethane gloves
- ✓ Medical Grade Certification provided by Manufacturer

© 2020 Pioneer Solution, Inc.



Mobile Device Screening Checklist Quickly Determine Infection Control Status

- Resources Available for Download
www.pioneersolution.com/infectioncontrol
- Easy To Use Checklist
- Cleaning Guidelines & Best Practices
- Ability to Screen Current / Future Devices Quickly
- Provides Documentation For Survey
- Need help?

Contact Pioneer @ info@pioneersolution.com



© 2020 Pioneer Solution, Inc.



Richter

LTPAC Performance Advisors

Enhancing Outcomes

Infection Control and Prevention and You

Richter

LTPAC Performance Advisors

Enhancing Outcomes

Clinical Uniforms

Clothing (Scrubs)

- Any clothing item worn at the patient bedside should be laundered each day with hot water and detergent or cold water and bleach. *Do not mix uniforms with other household clothing

Footwear

- Closed toes, not made of porous material such as canvas, no laces. Shoes should be wiped down daily with a bleach solution and should left outside of employees home or in a locker



www.richterhc.com

Clinical Uniforms



Eye glasses

- Plastic or metal should be wiped down with a bleach solution daily and whenever visibly soiled

Name badges/name tags

- Plastic or metal should be wiped down with a bleach solution daily and whenever visibly soiled

Watches

- Avoid having a watch on your wrist as it impedes your ability to properly clean your hands

www.richterhc.com

Empty Your Pockets


www.richterhc.com

Richter

LTPAC Performance Advisors

Enhancing Outcomes

Infection Control and Prevention and Equipment

Richter

LTPAC Performance Advisors

Enhancing Outcomes

Stethoscopes

Stethoscopes that are used on multiple residents can easily introduce bacteria or viruses

- Individual disposable stethoscopes
- Stethoscope covers - disposable
- Disinfect your stethoscope after each use



“In one recent study, 3 [microbe samples taken from stethoscope bells and diaphragms](#) found *S. aureus*, *Acinetobacter*, and *Klebsiella pneumoniae*, according to results published in the January 2019 *Journal of Infection Prevention*. Out of 62 hospital staff members surveyed as part of the study, 33 (53.2%) said they had never cleaned their stethoscopes.”

-ACP Hospitalist April 2019

www.richterhc.com

Sphygmomanometer



Cuff can introduce bacteria or viruses

- Use disposable cuffs
- Use of disposable cuff barriers
- Implement patient dedicated cuffs and leave in the room
- If using equipment for multiple patients, you must clean and disinfect before each use on another patient
- Antimicrobial treated reusable cuffs
- Fabric BP cuffs are typically machine washable as well

www.richterhc.com

Thermometer



Avoid using thermometers that require resident contact.

- Contactless thermometer are the best option for residents and staff during the pandemic and after
- If using equipment for multiple patients, you must clean and disinfect before each use on another patient. If you are taking into the room it should be disinfected prior to the next use

www.richterhc.com

Vital Sign Machine

Great item of convenience

- Must be disinfected after leaving each room
- Cart must also be disinfected after leaving each room
- Avoid use of this thermometer during pandemic – detach if at all possible



www.richterhc.com

Scissors



Scissors that go into any resident room must be disinfected after leaving the room.

- If you do not need scissors for that resident, do not take them in to the room with you
- Scissors that contact non-intact skin or any type of drainage from gloves or soiled linens should be cleaned with high-level disinfection before being used on the next resident

If possible individual disposable wound care equipment for every resident – These items should be stored in the resident room and not in the clean treatment cart

www.richterhc.com

Pulse Oximeter

Pulse Oximeters that go into any resident room must be disinfected after leaving each room.

- If you do not need the pulse oximeter for that resident, do not take them in to the room with you
- Wipe down after each use with an approved disinfectant



www.richterhc.com

Conclusion

This year has been a whirlwind of changes regarding infection control practices

- We need to embrace the new normal
- Continue to look for innovative ways to improve infection control and prevention
- Make the needed changes to equipment and policy to improve resident outcomes and survey success

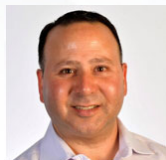
www.richterhc.com

Questions?


www.richterhc.com

Thank you!

Ian Gelenter
 SVP Healthcare
 Pioneer Solution, Inc.


Ian.Gelenter@PioneerSolution.com

(973) 349-2806

Jennifer Leatherbarrow
 RN BSN RAC-CT IPCO QCP CIC
 Manager of Clinical Consulting


Jennifer.L Leatherbarrow@richterhc.com

(216) 593-7140

www.richterhc.com