



# South East IPAC Hub and Spoke Team

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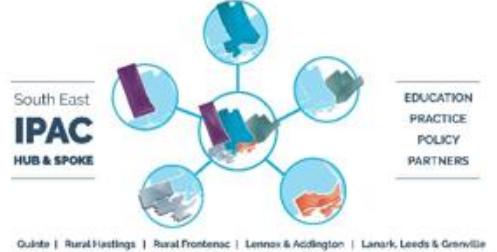
## CLEANING AND DISINFECTION

# Welcome

## Aneka Nithianandan!

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INFECTION CONTROL PRACTITIONER  
SOUTH EAST IPAC HUB & SPOKE  
ANEKA.NITHIANANDAN@KINGSTONHSC.CA



# Objectives

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1. What is in use?
2. Important definitions
3. Chain of transmission
4. Who trains EVS staff?
5. Cleaning tips
6. What should you look for?
7. Disinfection product notes
8. Common Themes
9. What can help?
10. Important Resources

# Join the Poll

Open your camera, focus on the QR code and follow the link **or** visit [www.mentimeter.com](http://www.mentimeter.com) and use code 4395 4655 to interact.



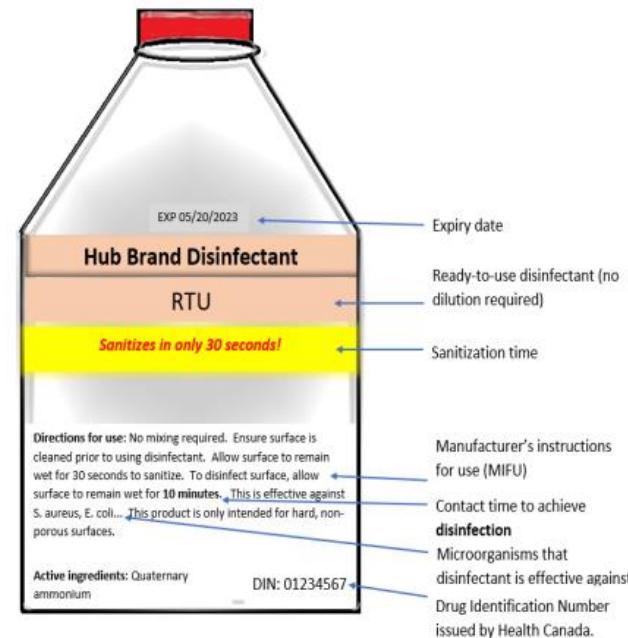
# What is in use?

There are many different types of disinfection products.

Do you know what is in use?

Do you know the Contact time?

- Quat
- Peroxide based
- Chlorine based
- Phenolics



# Important Definitions

## **Cleaning:**

- Removing all contaminants (i.e. dirt, lubricants, body fluids) from objects by using water, detergent/soap and by scrubbing the object
- using “elbow grease”
- Cleaning must be done first, or the disinfection will not work.



## **Disinfecting:**

- A process that kills many or all micro-organisms except spores
- Is done with liquid chemicals e.g. Accelerated hydrogen peroxide-based disinfectant

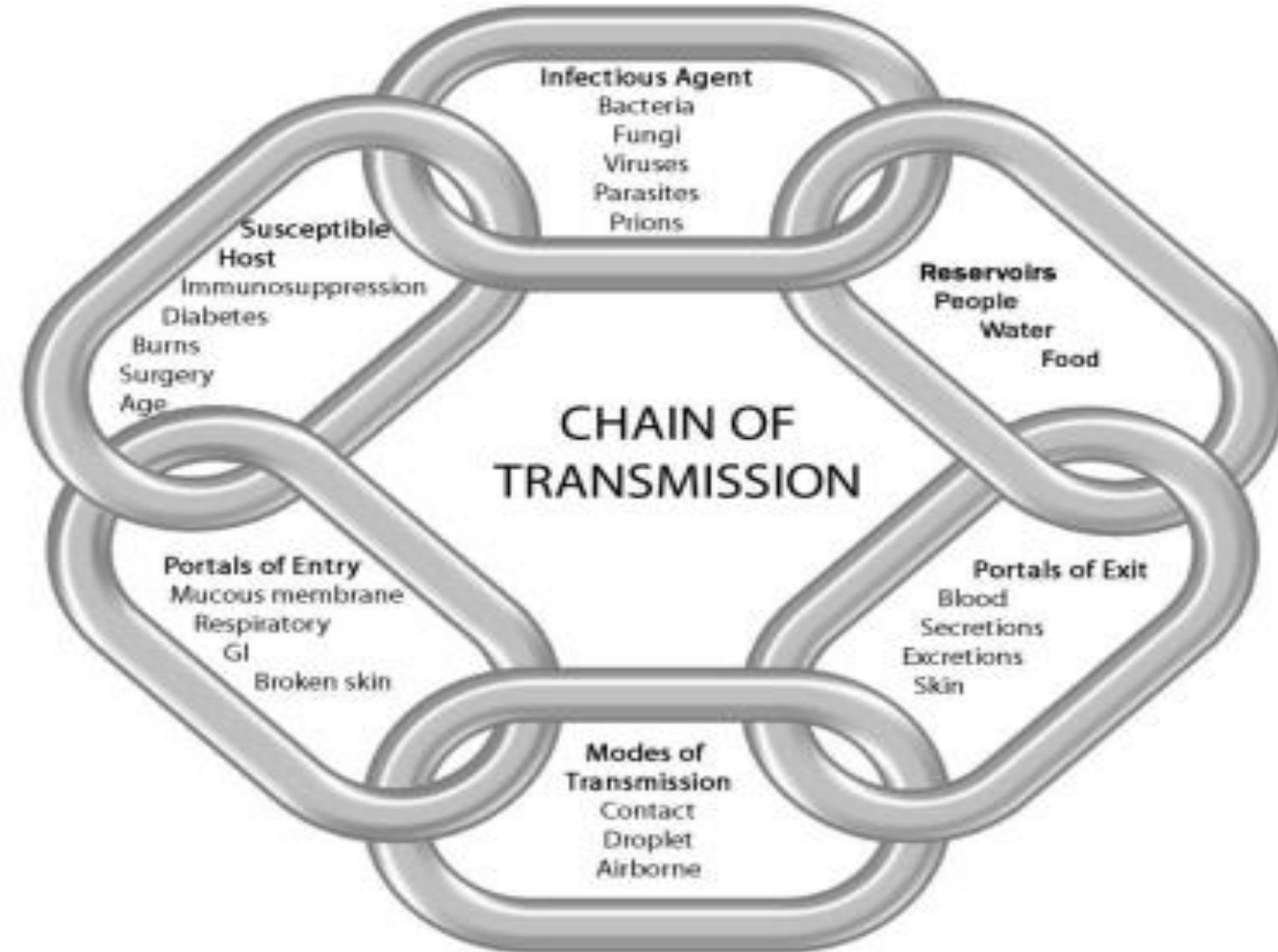
## **Sterilization:**

- A process that completely eliminates or kills all microorganisms.
- For example - Autoclaving (using steam under pressure).



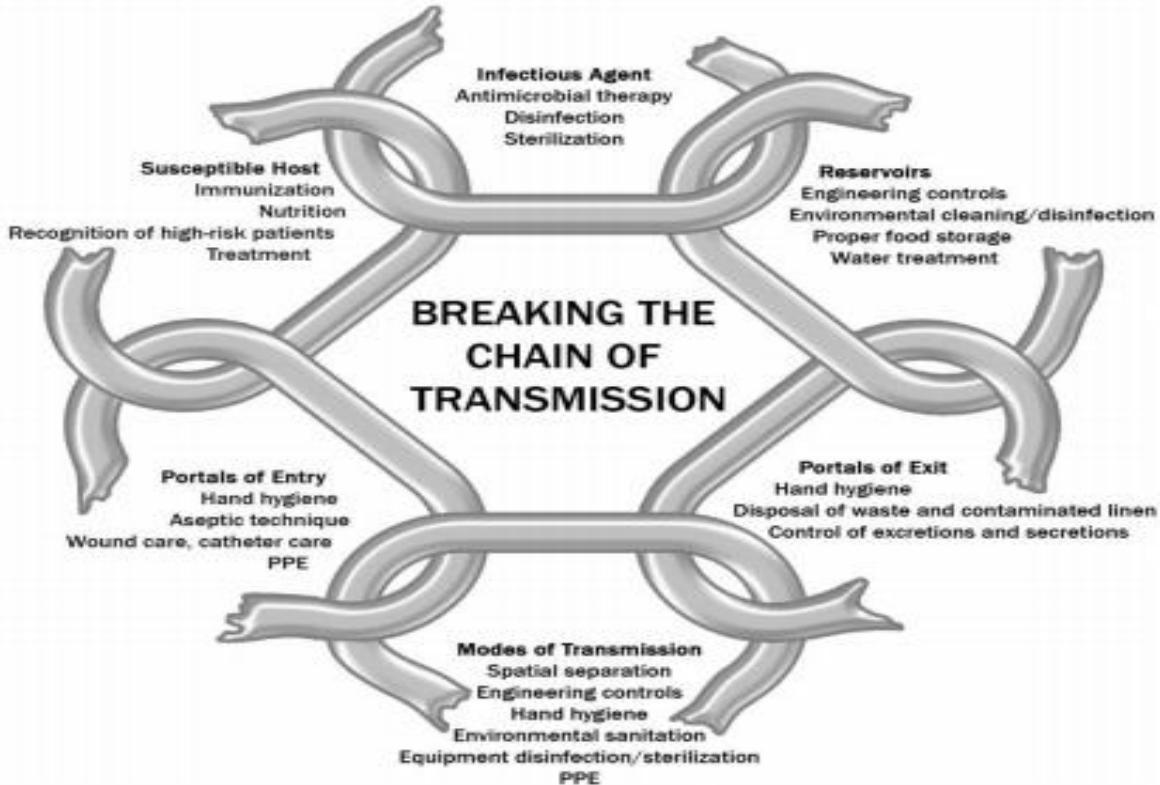
## **Contact Time:**

- The required amount of time the surface needs to stay wet to achieve proper disinfection



**ALL** items in the chain must be present for transmission to take place

# The Chain of Transmission



To stop transmission of germs you must break a link in the chain! There are many ways to do this.

Proper cleaning and disinfection of the environment  
is critical in preventing disease transmission and will  
break the chain of transmission!

# Who trains EVS staff?

Who is in charge of training?

- How to clean
- How to don/doff PPE
- How to perform hand hygiene

Are audits performed?

- Cleaning audits – fluorescent marking? – visual audits?



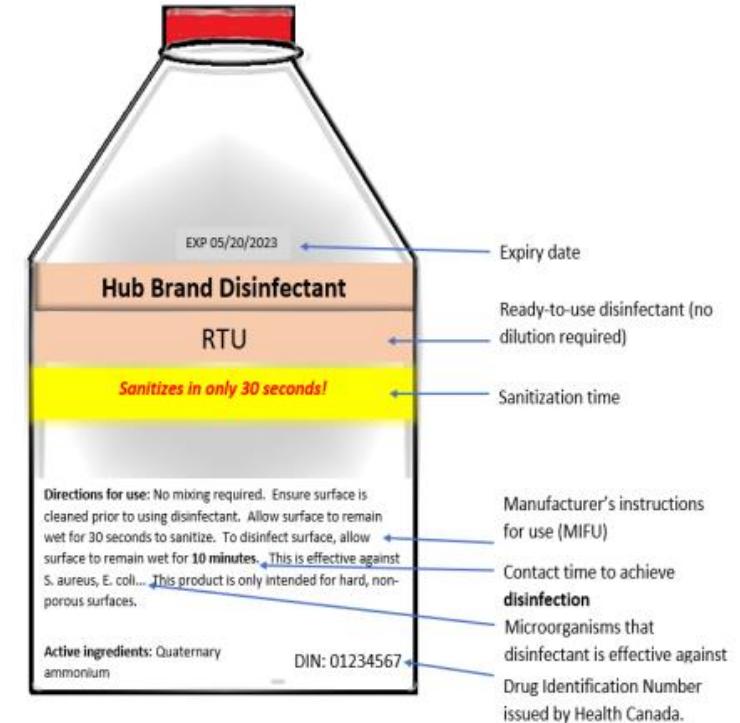
# Cleaning tips

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- Should be done according to protocol or plan
- Work from least soiled areas to most soiled areas & high surfaces to low surfaces
  - Clean bathroom **last** (commode if present)
- Spray bottles that can aerosolize vapors are **not** recommended – use bottles with flip-top and apply product directly to cloth or surface
  - If using bucket and cloth to clean, do not ‘double-dip’
- Ensure to achieve recommended contact time for disinfection as per manufacturer instructions
- Daily cleaning should include wiping all horizontal surfaces & high touch surfaces with a disinfectant

# What should you look for?

- Not all products work the same.
- Application methods are very important.
- Contact times differ.
- Kill claims differ.



Link: [tip sheet - choosing a disinfectant cleaning disinfection 0.pdf \(kingstonhsc.ca\)](http://tip sheet - choosing a disinfectant cleaning disinfection 0.pdf (kingstonhsc.ca))

# Disinfection Product Notes

- Use disinfectants that have label claim ‘hospital-grade’, this means they must have a DIN (Drug Identification Number).
- Disinfectants should be used in the dilution and manner (e.g. **contact time**) recommended by the manufacturer.
- Organic materials such as blood and proteins will inactivate many disinfectants
  - It must be removed first by cleaning before applying disinfectant.
- Accumulation of dust and dirt on environmental surfaces is a potential source of infection.
- Not all products are used in the same manner
- It is important to know what product is required and how to use that product properly



# How do I know?

Short video to help:

[IPAC Basics - Reading the Label of a Disinfectant - YouTube](#)



*Environmental services (EVS) play a significant role in reducing the transmission of infection and this team is a very important partner with IPAC.*

*Efficient and effective cleaning is essential in all healthcare environments!*

# Common Themes

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1. Contact times Confusion – different products with different times
2. Clean before disinfection- disinfection products work best when surfaces are precleaned
3. Quat binding – products that present challenges with application – Quat products cannot be used with certain cloths (microfibre, cotton, etc)
4. Snake oil sales pitches – Avoid falling for sales pitches like “10 sec COVID claim; 30 sec Norovirus and influenza – read the “fine print”
5. Follow MIFU – manufacturer instructions for use

# What can help?

What would be most helpful to improve cleaning and disinfection practices at your facility?



# Important Resources

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1. SE IPAC Hub Website – [Quick Reference Educational Resources - Hub and Spoke | KHSC Kingston Health Sciences Centre \(kingstonhsc.ca\)](http://kingstonhsc.ca)
2. [tip sheet - choosing a disinfectant cleaning disinfection 0.pdf \(kingstonhsc.ca\)](http://kingstonhsc.ca)
3. [IPAC Basics - Reading the Label of a Disinfectant \(youtube.com\)](http://youtube.com)
4. [IPAC Basics - Choosing a Disinfectant \(youtube.com\)](http://youtube.com)
5. [tip sheet no touch technologies surface disinfection 0.pdf \(kingstonhsc.ca\)](http://kingstonhsc.ca)
6. PIDAC Best Practices - [PIDAC: Best Practices for Environmental Cleaning for Prevention and Control of Infections | January 2018 \(publichealthontario.ca\)](http://publichealthontario.ca)

# Reminders

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- National Infection Control Week last week
  - Share your IPAC Week Activities with the Hub
- **\*NEW\*** PIDAC document:  
[Best Practice for the Prevention of Acute Respiratory Infection Transmission in All Health Care Settings](#)
- “The Spoke” newsletter to be released by end of October
- IPAC EO Education Day – See you there!

**Next LGL CoP Date: Tuesday, November 26<sup>th</sup> at 1330.**

Thank You

Email us with any questions or inquiries  
at [SEHubIntake@KingstonHSC.ca](mailto:SEHubIntake@KingstonHSC.ca)

We would be happy to answer any  
questions and set up a meeting!

