

#### Infection Prevention and Control

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# Learning Outcomes

This session will enable you to:

- Understand the specific risk associated with schools and childcare setting environments
- Describe how micro-organisms spread in communal settings
- Identify the key elements included in Standard Infection Control Precautions
- Demonstrate compliance with basic hand hygiene practice
- Take infection prevention and control forward in your area

#### The Risks

- Children are more susceptible to infection because they have underdeveloped immune systems
- A high degree of close contact with other susceptible children
- Children often explore with their hands and germs from hand to mouth can cause infection
- They share facilities and equipment
- Children often lack an understanding of the basic principles of good hygiene practices
- May not be able to perform hand hygiene effectively









# What Are the Consequences?

- School days lost
- Possible spread to siblings, family members and the wider community
- Parents have to take time off work
- Potential outbreaks





# We are not alone.....

Bacteria

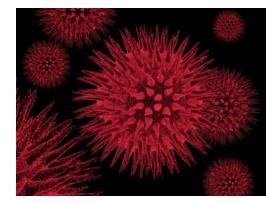


**Parasites** 





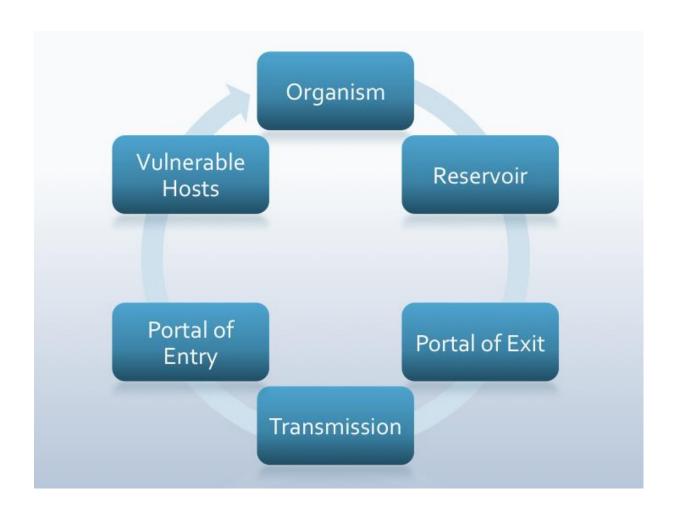
Viruses







### Chain of Infection



## Breaking the Chain of Infection



# 10 elements of standard infection prevention and control which when carried out effectively help reduce the risk of transmission of infections

- 1. Environment or placement of someone who develops and infection
- 2. Hand Hygiene
- 3. Respiratory and cough hygiene
- 4.Personal protective equipment
- 5. Safe management of the environment
- 6.Safe management of equipment
- 7. Safe management of linen or soft furnishings
- 8. Safe management of blood and body fluids
- 9. Safe disposal of waste (including sharps)
- 10.Occupational safety or managing prevention of exposure to infection (including needlestick or sharps injuries, and bites).

\*Chapter 2 of the Health Protection Guidance\*

# Handwashing

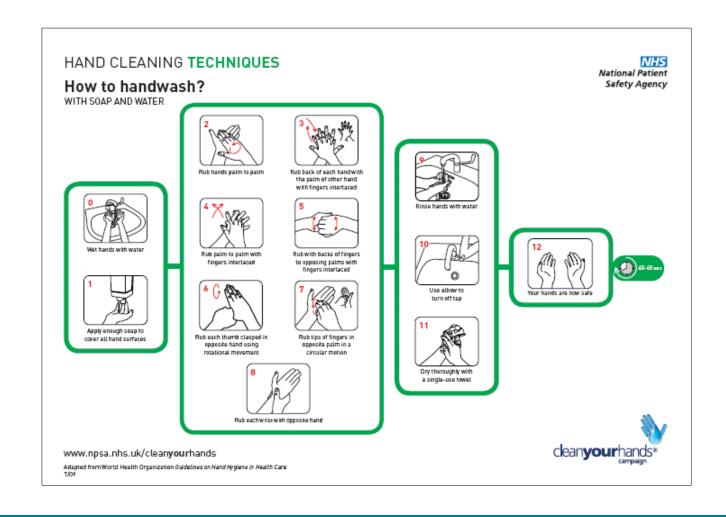
"The **single** most important measure for preventing the spread of infection....."

- Reduces the number of people who get sick with diarrhoea by 31%
- Reduces diarrheal illness in people with weakened immune systems by 58%
- Reduces respiratory illnesses, like colds, in the general population by 21%





# Handwashing technique

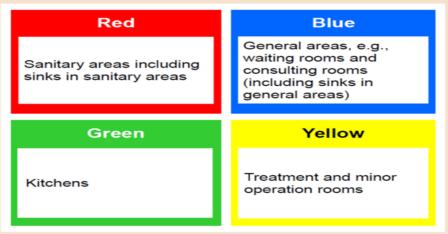


# Cleaning of the environment

- Ensure appropriate cleaning and disinfectant products are available
- Ensure cleaners are appropriately trained with access to PPE
- Toys and equipment should be cleaned frequently as per national guidance
- Use colour coded cleaning equipment (there is no legislative requirement but it is good practice)

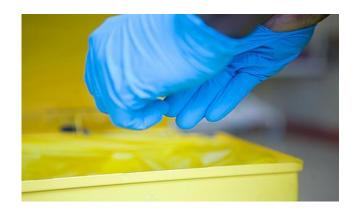






# Personal Protective Equipment(PPE) Blood and Bodily Fluid Spillages

- Aprons, gloves and eye protection
- Single use
- Gloves not a substitute for handwashing
- Clear up spillage as soon as possible
- Wear PPE





# Waste and Sharps Management

- Correct segregation as per local policy
- Suitable bins
- Safe waste storage
- Take the sharps bin to the point of use, preferably using an integral sharps tray
- Do not fill the sharps container above the 'fill level'
- Ensure the opening is always closed in the temporary closure position to prevent accidental spillage of contents









# Sharps injuries and bites

- Bleed it
- Wash it (if splash to eye/mouth use copious amounts of water only to flush)
- Cover it with a waterproof dressing
- Report it and document details. Visit GP, A&E or Occupational Health Department



# Interesting Facts

- 33 keyboards swabbed, 4 were regarded as a potential health hazard and one harboured five times more germs than the office's toilet seat.
- Keyboards harbour more than 20,000 times the amount of bacteria than in a toilet bowl
- Should somebody have a cold or gastroenteritis, you're very likely to pick it up from a keyboard
- 94.5% of mobile phones are contaminated with some type of bacteria
- A smart phone has 9,000 times more germs than a toilet seat

# Infection Prevention and Control is EVERYONE'S Business and is in YOUR Hands





# Thank you for listening

Any Questions?