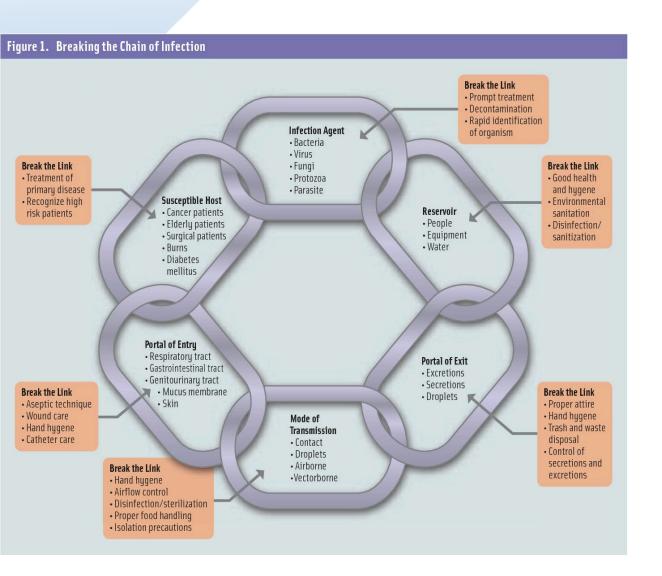
Infection Prevention and Control Standard Precautions

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Standard Precautions - Why do we need them?



- Standard precautions are measures put in place to protect health care workers from infection and to prevent the spread of infection from patient to patient
- Our goal as a health care community is to protect ourselves and others by causing a break in one or more links in the chain of infection, disrupting the spread of disease and illness



Standard Precautions – What are they?

- The 5 main components of Standard Precautions are:
 - 1. Hand Hygiene
 - 2. Environmental Hygiene
 - 3. Respiratory Etiquette
 - 4. Personal Protective Equipment (PPE)
 - 5. Sharps Sharps Safety and Safe Injection Practices
- Standard precautions are to be used for all patient care based on risk assessment and common-sense practices
- Think every patient, every time take the time to do it right without distraction or short-cuts

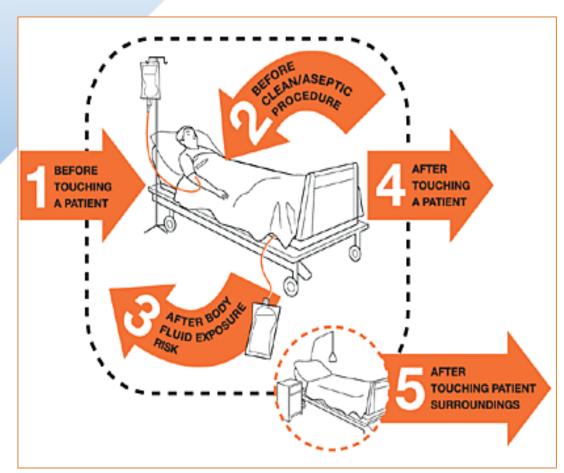


Standard Precautions - Hand Hygiene

- ➤ The #1 practice in preventing the transmission of pathogens and disease
- ➤ Everyone is responsible for practicing proper hand hygiene, it is not just for those who do direct patient care.



Hand Hygiene: When to perform hand hygiene



Also, please don't forget to wash your hands:

- Before eating
- After using the bathroom or any personal hygiene
- Before and After using PPE
- After using a tissue to sneeze, cough, or blow your nose



World Health Organization (WHO) 5 Moments for Hand Hygiene

Hand Hygiene: The basics

HAND HYGIENE MUST BE PERFORMED

- Before and after contact with a patient
- Before and after contact with patient's zone
- After contact with body fluids or excretions, mucous membranes, non-intact skin, or wound dressings.
- After contact with a patient's intact skin
- Before putting on and after removing any type of gloves.
- Before putting on and after removing personal protective equipment.
- Before/After carrying out an invasive or aseptic procedure, including insertion of invasive devices.
- After contact with inanimate surfaces and objects (including medical equipment) in the immediate vicinity of the patient.
- After personal use of bathroom, blowing/wiping nose, or other personal hygienic activities
- Before/ after eating and/or returning from break.
- Before/After handling medication or food.
- Between care and contact of different patients.



Hand Hygiene: The basics

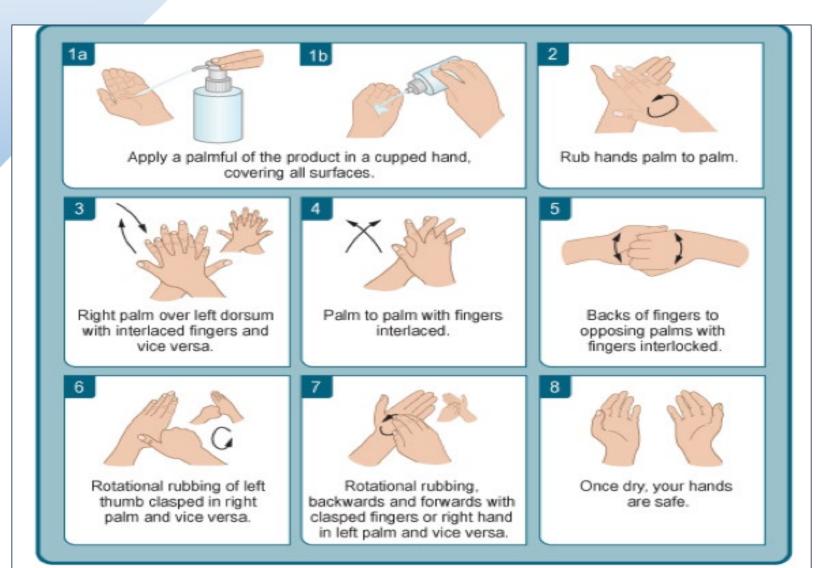
 The preferred method of hand hygiene is alcohol-based waterless hand rub UNLESS

- a. Your hands are visibly soiled
- b. You are caring for a patient with an enteric pathogen (Gastrointestinal symptom causing germs such as *C. diff*, Sapovirus, Norovirus, and Hepatitis A)

Let's review how you wash your hands for both alcohol-based hand rub and soap and water....



Hand Hygiene Alcohol-Based Hand Rub



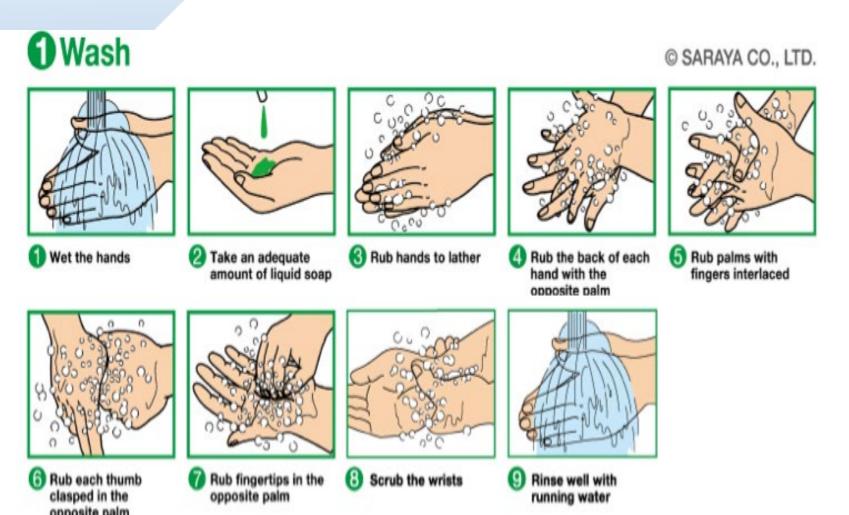
It's important to remember

 Please use hospital approved hand sanitizer

 Please use the full amount dispensed by the pump



Hand Hygiene Soap and Water



Don't forget to

 Wash your hands for at least 20 seconds



 Use the same disposable towel you used to dry your hands to then turn off the faucet, then toss it in the trash

Samaritan

Hand Hygiene: Hand Hygiene Locations



Please use designated hand hygiene sinks in clinical areas for hand hygiene ONLY

- No emptying of medications in these sinks
- No rinsing instruments in these sinks
- No dumping patient waste in these sinks
- No liquids from meals, baths, oral care etc. in these sinks



Hand Hygiene: Nail Care

The condition of your fingernails is a key component to good hand hygiene, and it is Samaritan's Policy for those who provide direct patient care to:

- 1. Maintain regular light-colored nail polish (that can be removed with regular nail polish remover) in good condition with no chipping
- 2.Understand that those who perform direct patient care (those who directly touch the patient and those who come in contact with items that touch the patient) CANNOT wear artificial nails, gel or shellac polish, nail art, overlays, dips, or press-on/stick-on nails.
- 3. Specific rules regarding regular polish apply to those who are directly involved in procedures/surgical procedures.

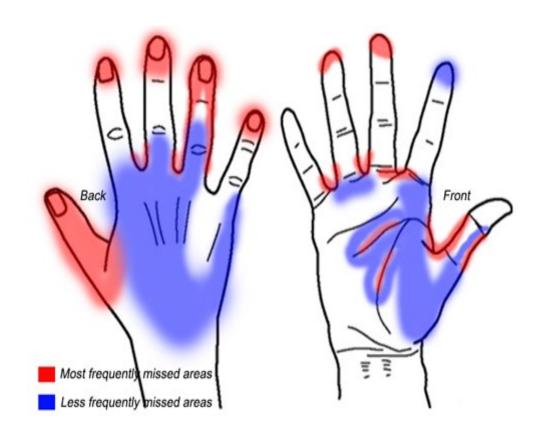


Don't let this be you



Protect yourself, Protect your patient, Protect others by taking the time to wash your hands the correct way every time it is indicated.
You will save many lives by doing so!











Standard Precautions - Environmental Hygiene



Housekeeping is everyone's responsibility.

- Clean and disinfect the environment the environment appropriately
- Maintain a clean and sanitary workplace.
- Follow all written cleaning and decontamination schedules and procedures.
- Use Proper PPE to prevent direct contact with blood or other body fluids.
- Only use EPA registered, hospital approved disinfectants.
- Ensure you choose the right disinfectant



If you touch it or you use it, **CLEAN IT**





EPA-Registered Hospital approved disinfectant wipes



Oxivir1 Wipe

1 minute contact time Most patient care equipment and work areas

Routinely used in procedural areas

Specific Organisms like Cryptosporidium and C.aurus



Sani-Cloth Bleach

Most patient care equipment **Enteric Organisms**

EVS will place these signs

on the patient room if the

patient has an organism

that requires use of a specific disinfectant

PEROXIDE

BLEACH

4 minute contact time





Sani Cloth AF3

3 minute contact time Utilized for specific care equipment



EPA-Registered Hospital approved disinfectant wipes

Disinfection of the Patient Care Environment

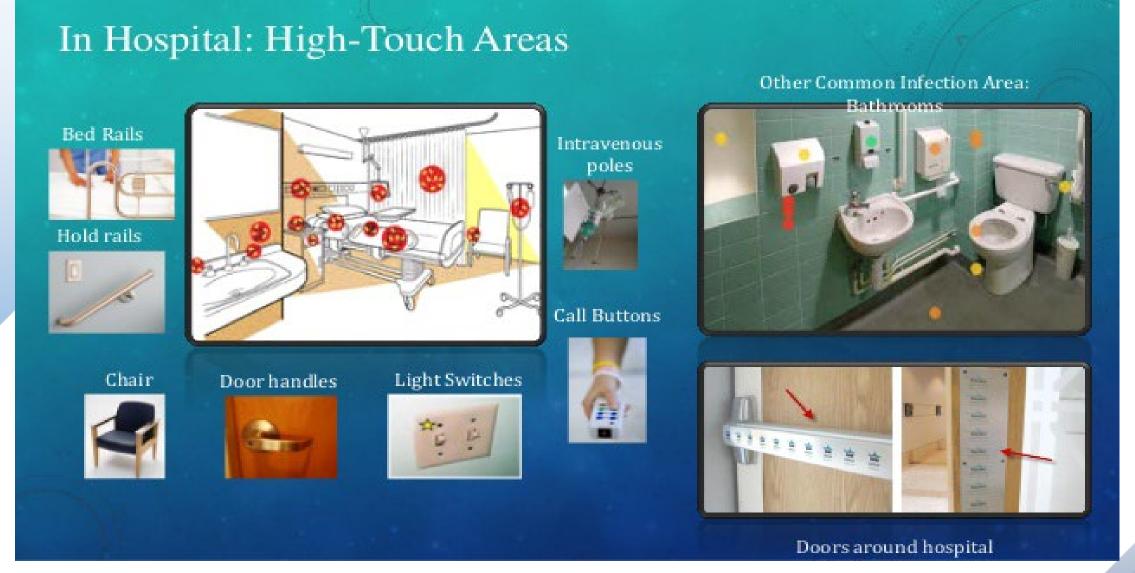
Always use an approved EPA Hospital disinfectant.

<u>Always</u> follow manufacturers' guidelines for disinfecting patient care equipment.

<u>Always</u> follow manufacturers' required contact times for disinfection

- Contact time is the duration of time the surface or item must remain wet, therefore re-wet surfaces and items to maintain the appropriate time for it to be considered truly disinfected.
- Avoid cross-contamination use a new cloth for each surface/item



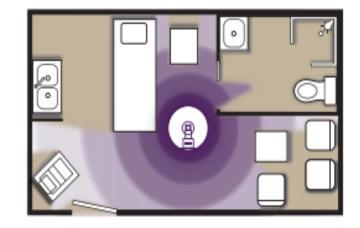


Clean these areas frequently – it is everyone's responsibility to maintain a clean environment



Environmental Hygiene: UV-C Light Disinfection

- Emits UV-C light shown to damage the cellular structure of pathogens, therefore reducing pathogens in the environment that may have been missed in cleaning or for those pathogens that are resistant to certain types of cleaning agents
- Utilized at SMC as an extra measure of environmental hygiene, the UV light is run after every discharge terminal cleaning on designated patient care departments and at least weekly in operating rooms
- Runs 3 five-minute cycles at each side of patient bed and in the bathroom







Environmental Hygiene: Waste

Blood and Body Fluids

- Solid Waste should be discarded in impervious plastic bags in appropriate waste receptacles
- Biohazardous waste (liquid blood, items saturated with blood/bodily fluids, containers of bloody body fluids, pathological waste, lab waste, micro waste, dialysis waste, and full closed sharps containers) should be discarded in red regulated plastic biohazard bags

Laundry

- Soiled linens are to be handled with minimum agitation to avoid contamination to air, surfaces, and persons.
- Gloves are to be worn to handle linen wet with blood or body fluids.
- Soiled linen is to be placed in the designated linen bags.



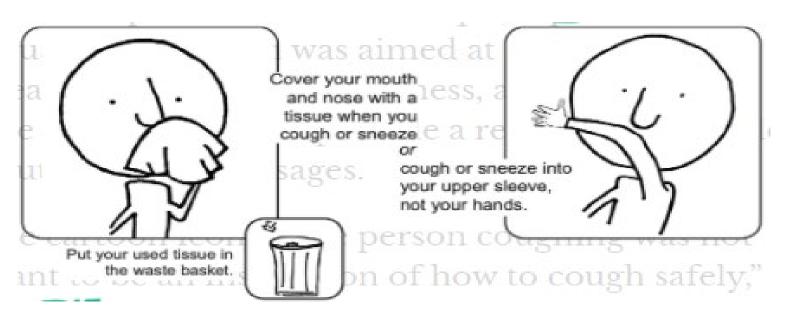




Standard Precautions - Respiratory Etiquette

Follow the principles of respiratory etiquette by these practices:

- a) Cover your mouth and nose with a tissue when coughing or sneezing, or cough/sneeze into the crook of your elbow/upper arm, not into your bare hands
- b) Use the nearest waste receptacle to dispose of the tissue after use
- c) Perform hand hygiene after having contact with respiratory secretions





Standard Precautions Personal Protective Equipment

Types: Gloves, Gowns, Aprons, Facemasks, High-level respiratory protection, Eye protection, and others types appropriate to specific work situations

- Use personal protective equipment (PPE) whenever the is an expectation of possible exposure to potentially infectious material
- PPE creates a protective barrier between infectious materials and the healthcare worker or in certain circumstances, the patient. It assists us in preventing the spread of pathogens to our patients.
- PPE is only as good as it is used, meaning it must be properly applied, used and removed to be effective. Take your time and be intentional with your actions.

Rules for Proper PPE Use:

- Use it every time.
- Use the right amount.
- Make sure it fits properly.
- Replace if torn or contaminated.
- Remove before leaving the work area.
- Dispose in proper receptacle.
- NEVER REUSE PPE, ALWAYS REPLACE AFTER SINGLE USE.

Goals of PPE

- 1. Provide Protection
- 2. Prevent Contamination
- 3. Reduce Transmission

How to select your PPE

- Familiarise with potential hazards and types of PPE available
- 1. Anticipate exposure
- 2. Durability and appropriateness of PPE to the task
- Consider the hazard association with Environment

BASIS FOR SELECTION OF PPE

- Institutional Policy and Procedure.
- Employee Judgment Regarding Potential Risk.
 - Employee Responsibilities.
 - Employee Compliance.

Personal Protective Equipment: Proper use

- Don before or upon entry of the patient's room
- Use carefully do not contaminate self or others. When in doubt call for a buddy to help you in the proper sequence of donning and doffing and visualize breeches
- Remove carefully and discard prior to exiting the patient's room
- <u>Do not wear PPE in the hallway, clean or dirty</u>... exception high-level respiratory protection must be placed and fit checked just prior to entering the room and must be immediately removed after exiting the Airborne room (utilize anteroom if available for PPE donning and doffing)
- Always perform hand hygiene before and after donning and doffing PPE.
- The front of PPE is considered contaminated, and therefore special care should be given to free ties and straps behind the head/body and touch only the clean inside of PPE when removing

Remove your PPE!

It's important to remove your Personal Protective Equipment (PPE), like gloves and gowns, immediately after use. If you walk around the facility wearing any PPE, you will spread germs.









Standard Precautions:

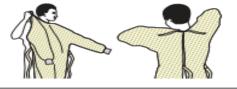
PPE Donning and Doffing

SEQUENCE FOR PUTTING ON PERSONAL PROTECTIVE EQUIPMENT (PPE)

The type of PPE used will vary based on the level of precautions required, such as standard and contact, droplet or airborne infection isolation precautions. The procedure for putting on and removing PPE should be tailored to the specific type of PPE.

1. GOWN

- Fully cover torso from neck to knees, arms to end of wrists, and wrap around the back
- · Fasten in back of neck and waist



2. MASK OR RESPIRATOR

- Secure ties or elastic bands at middle of head and neck
- Fit flexible band to nose bridge
- · Fit snug to face and below chin
- · Fit-check respirator



3. GOGGLES OR FACE SHIELD

· Place over face and eyes and adjust to fit



4. GLOVES

· Extend to cover wrist of isolation gown



USE SAFE WORK PRACTICES TO PROTECT YOURSELF AND LIMIT THE SPREAD OF CONTAMINATION

- · Keep hands away from face
- · Limit surfaces touched
- Change gloves when torn or heavily contaminated
- · Perform hand hygiene



HOW TO SAFELY REMOVE PERSONAL PROTECTIVE EQUIPMENT (PPE) EXAMPLE 1

There are a variety of ways to safely remove PPE without contaminating your clothing, skin, or mucous membranes with potentially infectious materials. Here is one example. **Remove all PPE before exiting the patient room** except a respirator, if worn. Remove the respirator **after** leaving the patient room and closing the door. Remove PPE in the following sequence:

1. GLOVES

- · Outside of gloves are contaminated!
- If your hands get contaminated during glove removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Using a gloved hand, grasp the palm area of the other gloved hand and peel off first glove
- · Hold removed glove in gloved hand
- Slide fingers of ungloved hand under remaining glove at wrist and peel off second glove over first glove
- · Discard gloves in a waste container

2. GOGGLES OR FACE SHIELD

- · Outside of goggles or face shield are contaminated!
- If your hands get contaminated during goggle or face shield removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Remove goggles or face shield from the back by lifting head band or ear pieces
- If the item is reusable, place in designated receptacle for reprocessing. Otherwise, discard in a waste container



3. GOWN

- . Gown front and sleeves are contaminated!
- If your hands get contaminated during gown removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Unfasten gown ties, taking care that sleeves don't contact your body when reaching for ties
- · Pull gown away from neck and shoulders, touching inside of gown only
- Turn gown inside out
- . Fold or roll into a bundle and discard in a waste container

4. MASK OR RESPIRATOR

- Front of mask/respirator is contaminated DO NOT TOUCH!
- If your hands get contaminated during mask/respirator removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Grasp bottom ties or elastics of the mask/respirator, then the ones at the top, and remove without touching the front
- · Discard in a waste container







PERFORM HAND HYGIENE BETWEEN STEPS IF HANDS BECOME CONTAMINATED AND IMMEDIATELY AFTER REMOVING ALL PPE





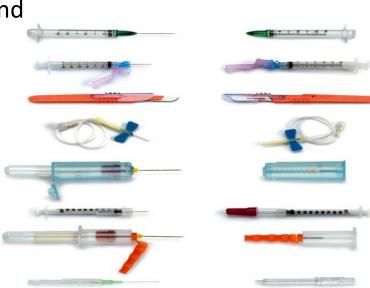
Standard Precautions - Sharps Safety

Always follow safe injection practices

Healthcare worker safety includes education on proper handling of needles and other sharps

There are a variety of ways to promote sharps safety within the healthcare environment

- Needleless Systems utilizing IV route without the use of needles
- Safer Needle Devices active or passive built in safety control devise to prevent injuries before, during, and after use
- Non-needle sharps protection devices such as for instruments/blades
- Sharps disposal containers maintained in patient care areas to secure disposed sharps





Standard Precautions - Sharps Safety

Just as hand hygiene sinks are for hand hygiene only, please use sharps disposal containers for sharps only!



DON'T PUT THESE IN THE SHARPS CONTAINER





Wrappers





Garbage





Batteries of Any Type

Cauterizers







or Inhalers



Waste





Red Bag Waste (non-sharps regulated medical waste)



Standard Precautions - Safe Injection Practices

Safe injection practices assist the healthcare provider in preparing and administering parenteral medications (IV/Injections), following the set measures to protect the healthcare provider and the patient

According to the World Health Organization (WHO), a safe injection does not harm the recipient, does not expose the provider to any avoidable risks, and does not result in waste that is dangerous for the community

- 1. Use aseptic techniques and avoid contaminating sterile equipment
- 2. Use single-dose vials for parenteral medications whenever possible. Remember single-dose vials lack preservatives to prevent bacterial growth/overgrowth. They are truly for one patient, one use.
- 3. If using multi-dose vials, keep the needle and syringe sterile and cleanse the rubber septum of the vial appropriately
- 4. It may seem obvious, however it is important that we practice single patient use for IV administration sets, syringes, needles etc. These devices should be appropriately discarded after use.
- Wear a surgical mask when performing or assisting with special procedures, such as lumbar punctures



Sharps Safety Point of Care Cleaning

- Prepzyme® Forever Wet is to be utilized for cleaning of soiled sterile instruments in the immediate period after use to pre-clean instruments before they are sterilized in central sterile
- The spray promotes a retention of moisture on soiled instruments and therefore assists those handling the soiled instruments, many of which have the potential to penetrate the skin, by preventing the adhesion of organic debris on the instruments
- Instruments should be sprayed at point of care or at the designated area for each department and then placed in a rigid container for transport to central sterile
- Hinged instruments should be in open position before sprayed



Standard Precautions - Review

- It is everyone's responsibility to practice and promote standard precautions
- Incorporate the principles of standard precautions with every patient encounter, every time
- Education to patients and visitors is a key component in reducing the spread of infections diseases within the facility – include these education opportunities in your day-to-day care delivery
- Take the time to perform each facet of standard precautions with intent and discipline – shortcuts can cause harm to your patients or yourself
- If ever any questions or concerns, please contact the Infection Prevention and Control Department at 315-779-5185



