



In The News Ħ Swine Flu could hit 40% of US Associated Press # H1N1 Swine Flu virus more dangerous than expected ■ H1N1news.com Intrinuescont Screenings for staph are now the law Chicago Tribune Two more "superbug" cases reported at area schools Asbury Park Press # When MRSA gets personal ABC News

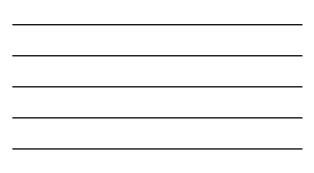
- Concern at Canarsie school where infected student died
 Newsday NY
 Killer bacteria outbreaks prompt call for action
 - USA Today

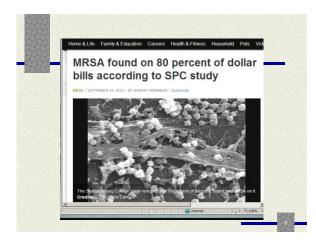
MONOC Mobile Health Services

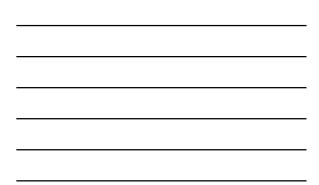








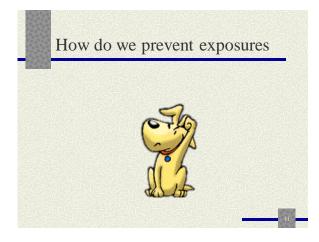












Exposure Control Plan

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727-375-1111 www.life-ed.co

INFECTION

PREVETION

and the

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- Required by the OSHA Bloodborne Pathogen Standard 29 CFR 1910.1030
- # PEOSH
- Designed to eliminate or minimize employee exposures
- Must be customized for individual needs

Methods of Compliance

- # All body fluids shall be considered potentially infectious
- # Use PPE to prevent contact with blood or other potentially infectious materials

Engineering & Work Practice Controls



- Controls should be used to eliminate or minimize exposures
- # Hand washing
- # Handling and transporting of waste and linens
- # Safer Medical Devices
- # Mucous Membrane Exposure Prevention
- Transporting Specimens
- # Equipment Servicing and Maintenance

High Percentage of Contamination Found in "Cleaned" Trauma Equipment By J. M. Hendry

- After the pa
- When the investigators assessed their findings according to who did th
- Overall, 57 percent of the equipment tested in this two-week period remained contaminated despite being identified as ready for reuse, the study authors noted.

Housekeeping

- The worksite is to be maintained in a clean and sanitary condition
- #Routine cleaning and disinfecting
- # Spill clean up
- # Laundry
- ♯ Waste management

Vaccination programs

- The hepatitis B vaccine and vaccination series must be made available to all employees who have occupational exposure
- # No cost to employee
- # Available upon employment at a reasonable time and place
- # Those declining must sign declination statement

Tracking exposures

- #Logs
- #Call outs
- **#** Worker Comp cases



It should be kept in the med box

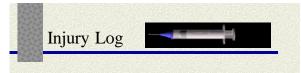


Other notes

- Do not put non-sharps in the sharps container
- ➡ Make sure the angio-caths lock after you start the IV – this is where <u>all</u> of our accidental needle sticks have occurred
- Non-needled syringes go in the red bags
- **#** IV tubing and saline locks can go in regular garbage bags
- # Bristo jets go in the large sharps containers

If you have a needle stick:

- # Properly dispose of the sharp
- ♯ Cleanse the area with an alcohol prep immediately
- Wash the area with soap and water as soon as possible
- **#** Report it to Management immediately
- The Infection Control Officer should be notified



An employer must establish and maintain an injury log for 5 years

- **#** Type and brand of device (if a sharp)
- **■** Where injury occurred
- # Explanation of how the incident occurred

Personal Protective Equipment (PPE)

OSHA Definition:

"specialized clothing or equipment worn by an employee for protection against infectious materials"

Types of PPE

- ♯ Gloves protect hands
- # Gowns/aprons protect skin and/or clothing
- # Masks and respirators
 - Masks protect mouth/nose
 - Respirators protect respiratory tract from airborne infectious agents
- ♯ Goggles protect eyes
- ♯ Face shields protect face, mouth, nose, and eyes

Factors Influencing PPE Selection

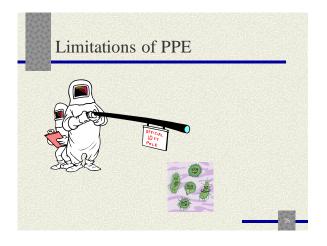
- **#** Type of exposure anticipated
 - Splash/spray versus touch
 - Category of isolation precautions
- Durability and appropriateness for the task
- # Fit
- # Comfort
- #Looks

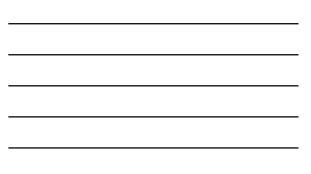


The gowns

- Should be located in the ambulance in adequate numbers and sizes
- Needs to be check at the beginning of your shift







Vectors

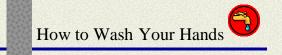
- # Healthcare workers can get 100s to 1000s of bacteria on their hands by doing simple tasks like:
 - Positioning patients
 - Taking a blood pressure
 - Touching a patient's hand
 - Touching the patient's sheets or blanket
 - Touching equipment like the stretcher, oxygen tubing, etc.



Culture plate showing growth of bacteria 24 hours after a nurse placed her hand on the plate







According to the CDC:

- # Wet your hands and apply liquid, bar, or powder soap
- **#** Rub hands together vigorously to make a lather and scrub all surfaces
- Continue for 20 seconds! It takes that long for the soap and scrubbing action to dislodge and remove stubborn germs. Need a timer? Imagine singing "Happy Birthday" all the way through - twice!
- # Rinse hands well under running water
- # Dry your hands using a paper towel or air dryer
- # If possible, use your paper towel to turn off the faucet

Do's and Don'ts of Glove Use

- Work from "clean to dirty"
- Limit opportunities for "touch contamination" - protect yourself, others, and the environment
 - Don't touch your face or adjust PPE with contaminated gloves
 - Don't touch environmental surfaces except as necessary during patient care

Face Protection

- Masks protect nose and mouth
 Should fully cover nose and mouth and prevent fluid penetration
- ♯ Goggles protect eyes
 - Should fit snuggly over and around eyes
 - Personal glasses not a substitute for goggles
 - Antifog feature improves clarity
- ♯ Face shields protect face, nose, mouth, and eyes
 - Should cover forehead, extend below chin and wrap around side of face

N-95 Masks...

- Protects user from airborne pathogens like Tuberculosis, SARS, Chickenpox, Measles and Smallpox.
- N-95 disposable particulate respirators are the minimum level of protection needed for airborne infectious agents.

DHSS Memo to the EMS Community

"N-95 respirators should be worn when responding to patients with unknown, potentially infectious respiratory or influenza-like illness.....and... when caring for patients with diagnosed infectious illnesses such as tuberculosis......

Properly fitted, N-95 respirators should protect the worker against bioterrorism and non-bioterrorism related respiratory pathogens."

Eddy Bresnitz, MD, MS, Deputy Commissioner/State Epidemiologist

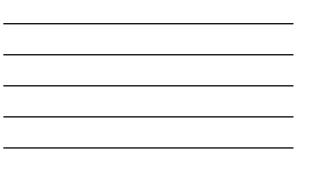
Respiratory protection is only effective if:

- **#** The correct respirator is used
- # It's available when you need it
- You know when and how to put in on and take it off
- You have stored it and kept in in working order in accordance with the manufacturer's instructions

Resp protection requirements

- **#** Must be fit tested annually
- **#** Options given if masks don't fit
- # Must be used when needed





A word on PPE

Per OSHA / PEOSH

- If you expect to be exposed to blood or other bodily fluid – you must wear a gown
- In the event you get your uniform contaminated
 - Change into your spare uniform
 - Place the dirty uniform in a red bag
 - Contact a Manager

When an Exposure is NOT an Exposure

Clear cut non-exposures
Blood on gloves or clothing
Blood exposure to intact skin
Touching an infected person
Being in the same room as infected person

Ħ If in doubt....report it

What to do if there is an exposure???

