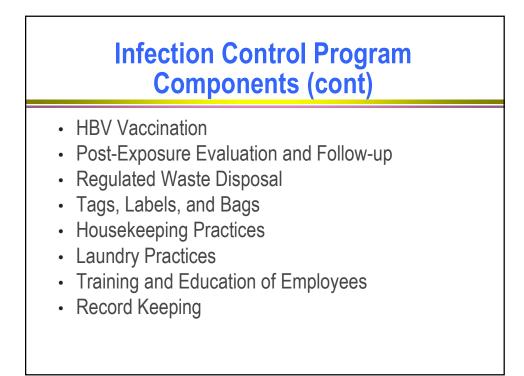


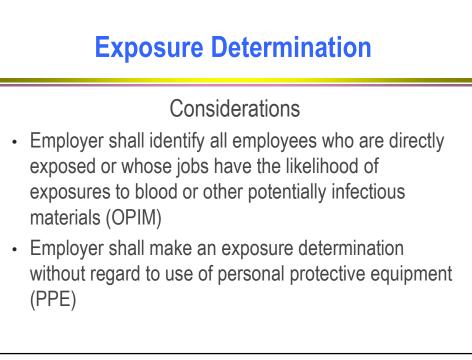
Types of Occupational Exposures to Bloodborne Pathogens
Percutaneous injury (PI)
Mucous membrane
Non-intact skin

Infection Control Program Components

Develop written institutional Exposure Control Plan

- Exposure Determination
- Control Methods
 - Universal (Standard) Precautions
 - Engineering Controls
 - Work Practice Controls
 - Personal Protective Equipment

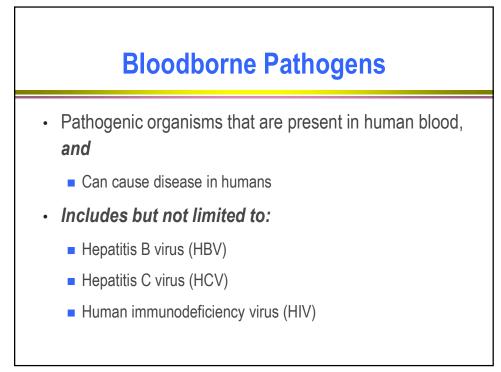


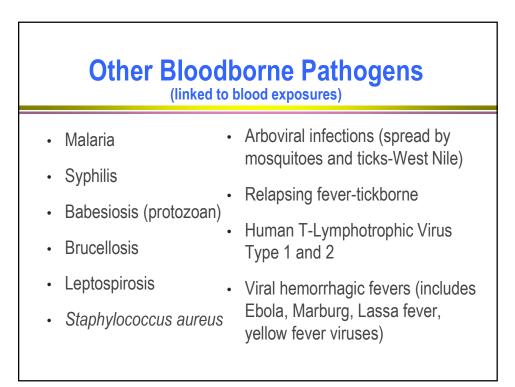


Fluids Recognized by CDC as Directly Linked to Transmission of HBV and/or HIV

blood

bloody body fluids semen vaginal secretions amniotic fluid saliva in dental settings cerebrospinal fluid synovial fluid pleural fluid peritoneal fluid pericardial fluid





OSHA Enforcement Revisions -Provider Services

- Shared responsibility between the contract provider and the host employer to ensure compliance with OSHA standards.
- Contract provider (who send their employees to work at other facilities to be employers) is responsible for providing:
 - General bloodborne pathogen training
 - Appropriate vaccinations
 - Follow-up evaluations to exposure incidents
- Host employer is responsible for providing:
 - Site-specific training
 - Personal protective equipment (PPE)
 - Control of potential hazards and exposure conditions

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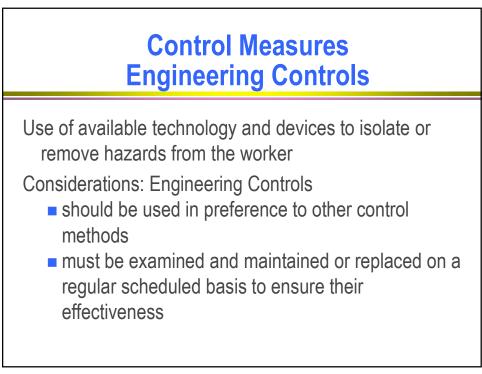
OSHA Enforcement Revision – Exposure Control Plan

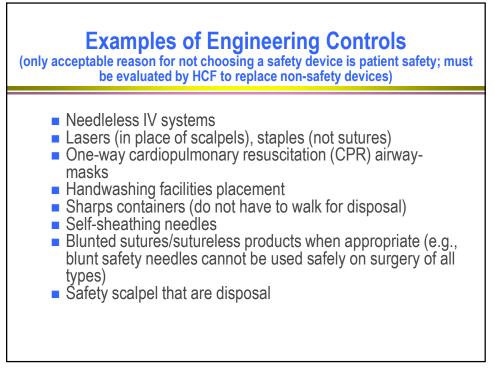
- Reviewed and updated annually* (new or modified tasks, procedures, equipment)
- Procedure to evaluate circumstances surrounding exposure incidents
- Use of Body Substance Isolation or Standard Precautions is acceptable as long as all provisions of standard are adhered to.

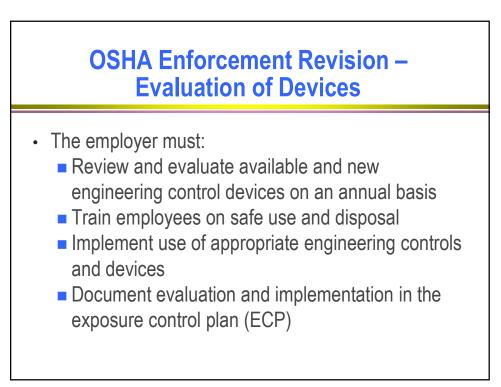
* Annual = 365 days from last review

Control Measures Universal Precautions

"Universal (standard-used for all patients) precautions" refers to a method of infection control in which all human blood and OPIM are treated as if known to be infectious with HIV and HBV. Universal precautions does not apply to feces, nasal secretions, sputum, sweat, tears, urine or vomitus unless they contain visible blood.

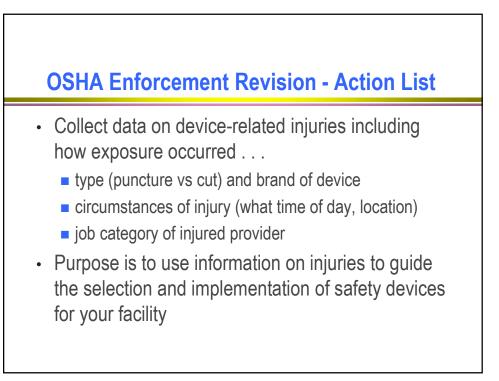






Needlestick Safety and Prevention Act November 2002

- Directs OSHA to revise BBP standard to clarify
 requirement for employers to evaluate safer needles and
 involve employees in identifying and choosing devices
- Requires documentation of frontline provider participation in the evaluation of safety devices and decision making in product purchasing.
- Required to document any difficulties in implementing safety devices such an interference with medical procedures or not available

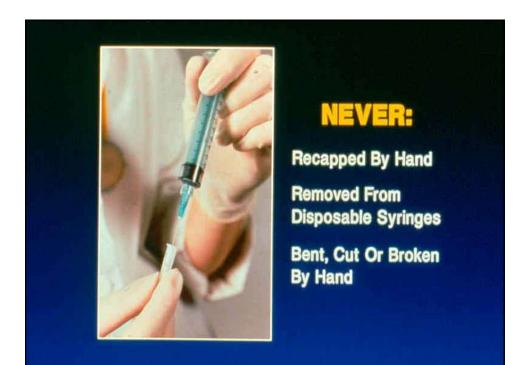


Control Measures Work Practice Controls

Alterations in the manner in which a task is performed to reduce likelihood of exposure

Considerations: Work Practice

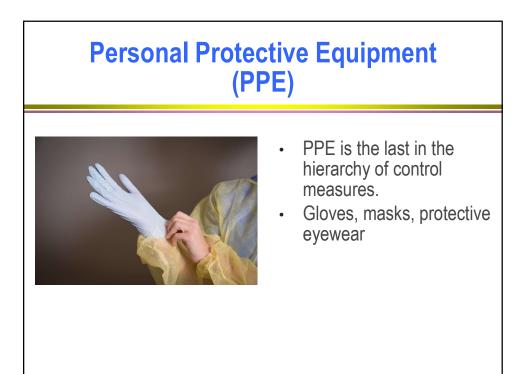
- Handwashing ASAP after glove removal or contact with body fluids
- All PPE removed ASAP after leaving work area and placed in designated container for storage, decontamination, or disposal
- Used needles and sharps shall not be sheared, bent, broken, recapped or resheathed by hand.



Control Measures Work Practice Controls

Considerations: Work Practice (cont)

- All procedures performed to minimize splashing and spraying
- Prohibit eating, drinking, smoking, applying cosmetics or lip balm in work areas where reasonable chance of exposure
- Prohibit storage of food and drink in refrigerators or freezers, shelves, cabinets or countertops or benchtops where blood or OPIM are present

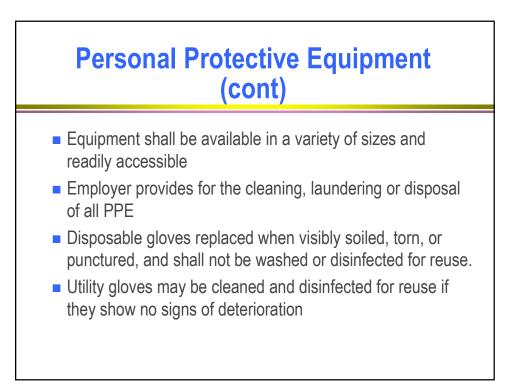


Personal Protective Equipment

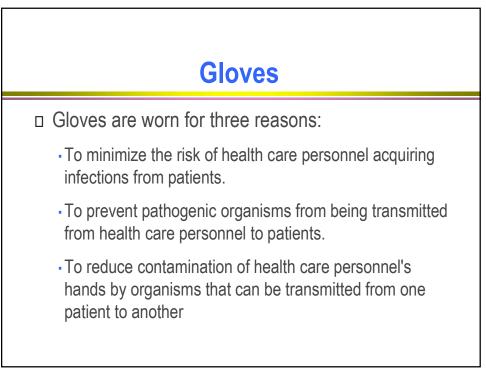
Specialized clothing or equipment used by workers to protect themselves from direct exposure to blood or OPIM Considerations: PPE

 Employer shall provide and assure employee use of appropriate PPE such as gloves, gowns, laboratory coats, fluid resistant aprons, face shields, or masks, eye protection and mouthpieces, resuscitation bags, pocket masks or other ventilation devices

 Change if visibly soiled
 "Assure"-policy in place for disciplinary action: first offense-warning; second offense-reeducation; third offense-affect merit raise; fourth offense-termination

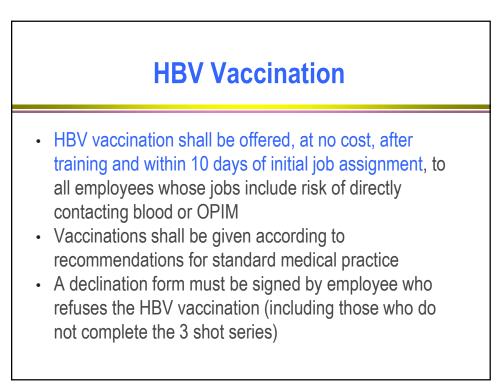


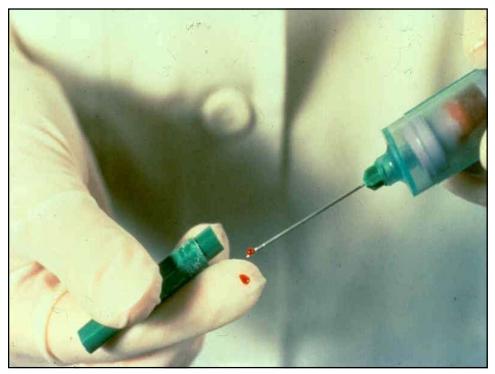


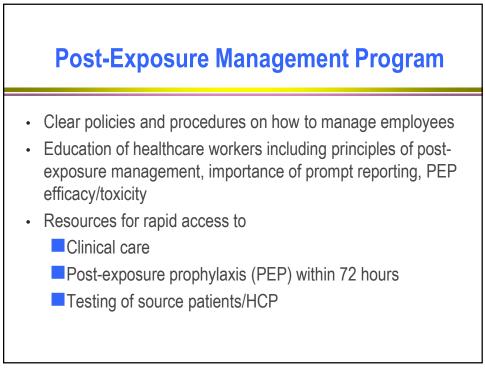


Protective Face Masks, Surgical Masks, and Eye Guards

- Required when contamination of mucous membranes of eyes, nose and mouth with body fluids may occur through splashes or aerosolization of these fluids.
- Prescription glasses may be used as protective eyewear as long as they are equipped with solid side shields.
- If protective eyewear is chosen over the use of a face shield, the eyewear must be worn in combination with a mask to protect the nose and mouth.

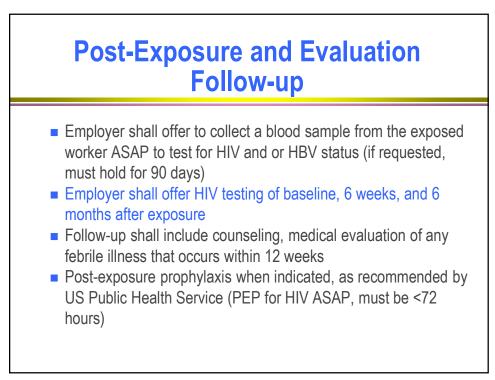






Post-Exposure Evaluation and Follow-up

- Within 15 days following report of an exposure incident, the employer shall make available to employee a confidential medical evaluation and follow-up
- Employer shall document the route of exposure, HBV and HIV status of the source patient, if known, and the circumstances under which the exposure occurred
- Employer shall notify the source patient of the incident, obtain consent if necessary and test the source for HIV or HBV unless known positive



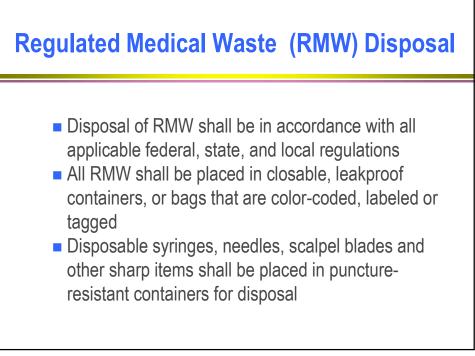
OSHA's Definition of Medical Waste

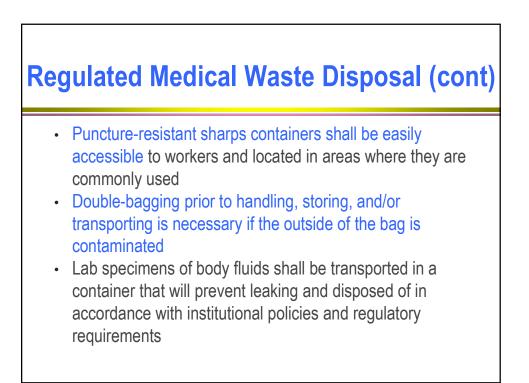
OSHA states "regulated waste" is (1) liquid or semi-liquid blood or other potentially infectious material; (2) contaminated items that would release blood or OPIM in a liquid or semi-liquid state if compressed; (3) items that are caked with dried blood or OPIM and are capable of releasing these materials during handling; (4) contaminated sharps; and (5) pathological and microbiological wastes containing blood or OPIM









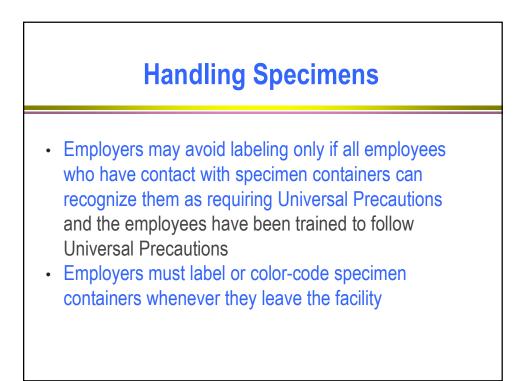


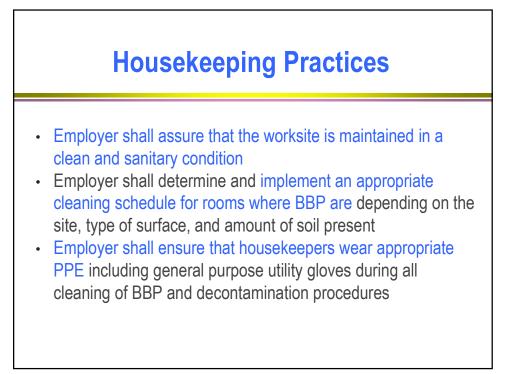


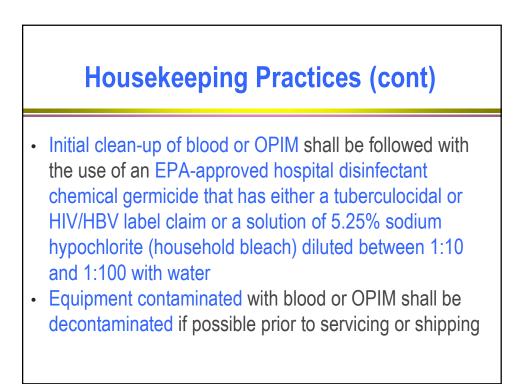




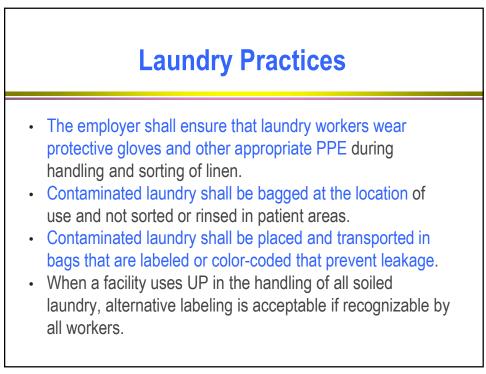
- Label tags may be part of container or affixed as closely as possible by wire or adhesive to prevent their loss
- Red bags or red containers may be substituted for labels on containers of Regulated Medical Waste
- All employees must be informed of meaning of labels/tags







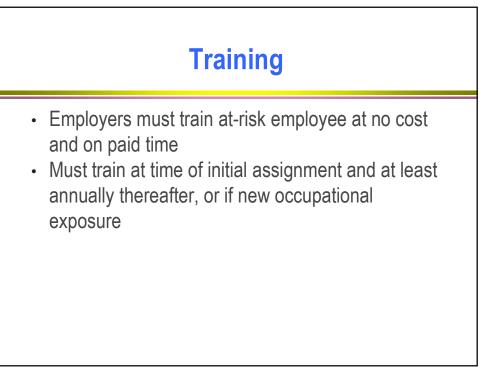


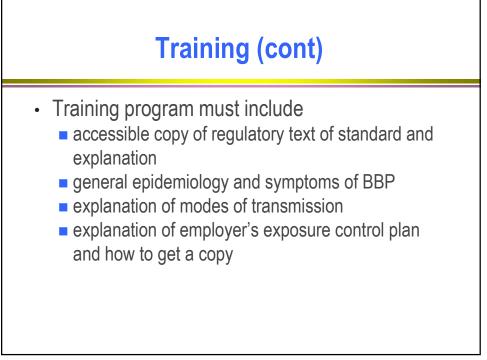


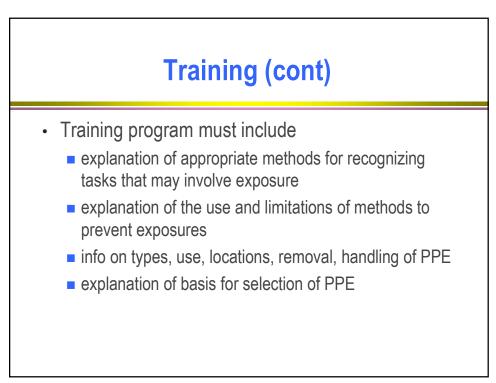
Provider Education and Training

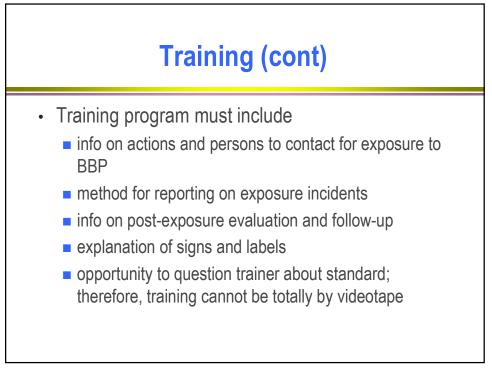


- Strategies to prevent occupational exposure to blood
- Importance of reporting exposure incidents
- New employee orientation
- Annual inservices
- New procedure or equipment





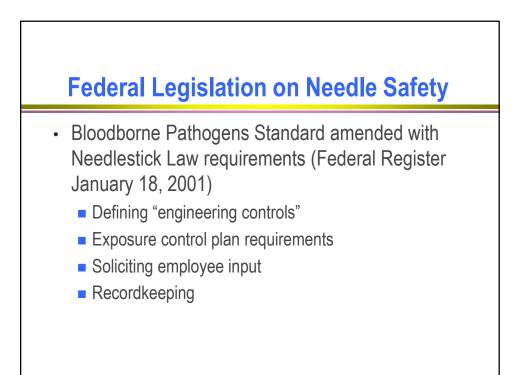


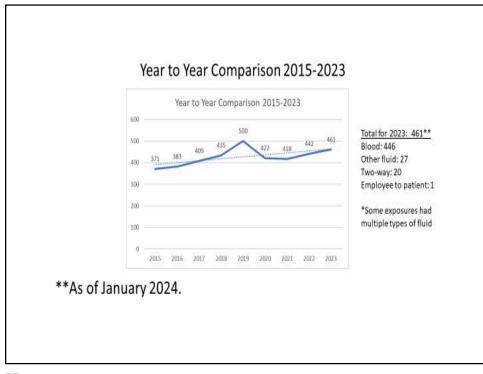


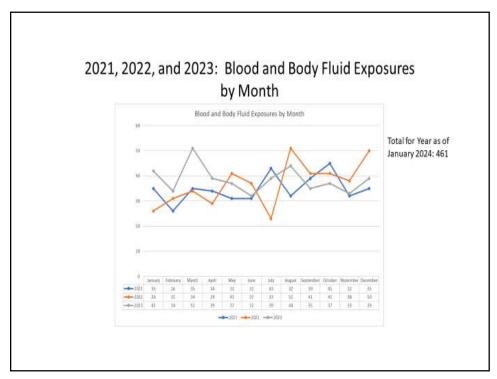


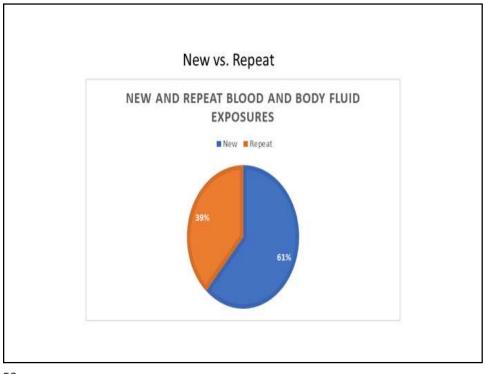


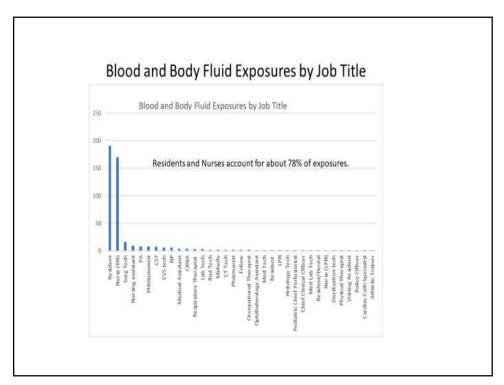
- In annual review of ECP employers must consider innovations in procedure or technological developments that reduce the risk of sharps exposure.
- Must state methods used to evaluate and justification for decisions on safety devices.

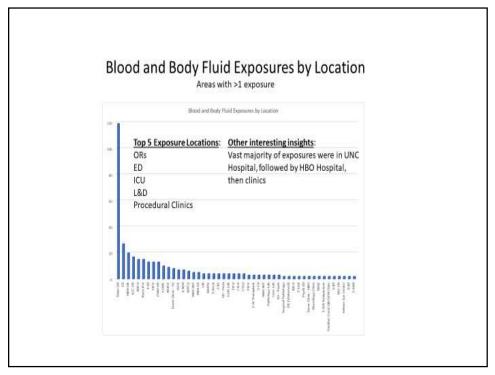


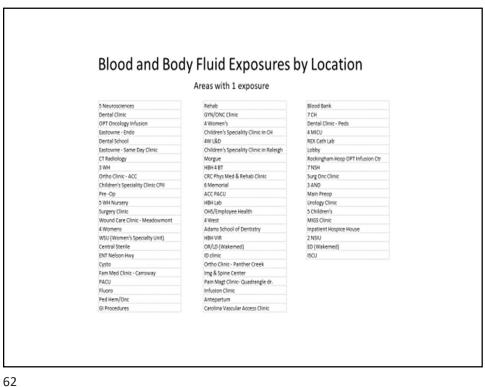


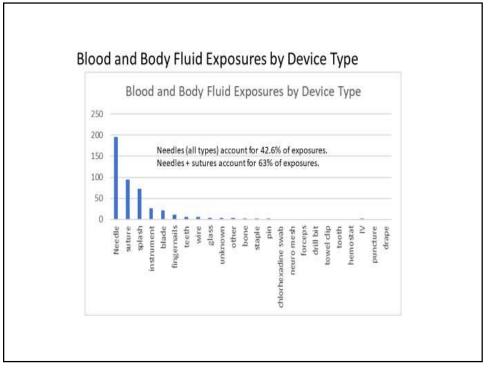








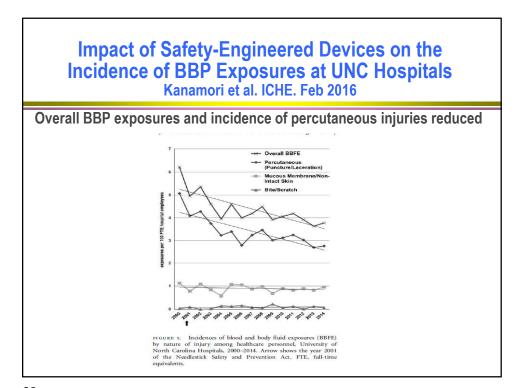


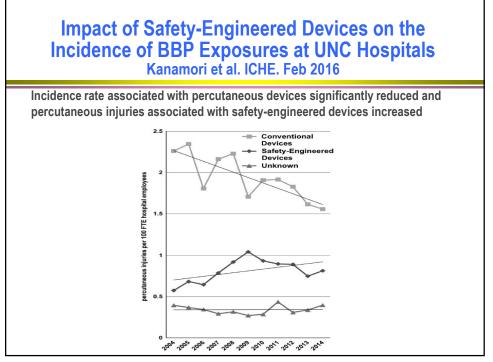


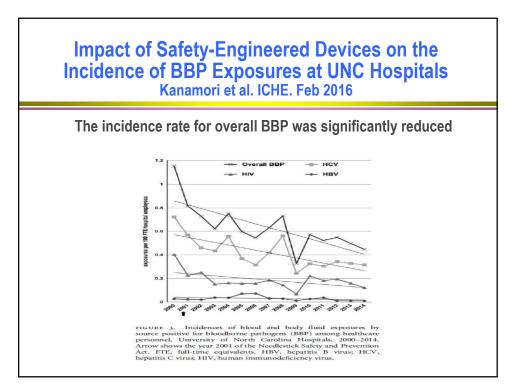
| | Type of Blood-Borne Virus: Source Patient | | | |
|-----------|---|-------------|-------------|-----------|
| | HIV | Hepatitis B | Hepatitis C | Unknown |
| JANUARY | 1 | 0 | 0 | 4 |
| FEBRUARY | 0 | 0 | 1 | 4 |
| MARCH | 0 | 0 | 1 | 3 |
| APRIL | 0 | 0 | 1 | 4 |
| MAY | 1 | 0 | 0 | 2 |
| JUNE | 0 | 0 | 1 | 6 |
| JULY | 0 | 0 | 1 | 5 |
| AUGUST | 2 | 2 | 0 | 5 |
| SEPTEMBER | 3 | 1 | 0 | 3 |
| OCTOBER | 1 | 0 | 0 | 5 |
| NOVEMBER | 1 | 0 | 0 | 6 |
| DECEMBER | 2 | 1 | 0 | 2 |
| TOTALS | 11 | 4 | 5 | 49 |
| | 2.38% of | 0.87% of | 1.08% of | 10.61% of |

Care After Viral Exposure

| Care by OHS | Number of Employees | | |
|---|-----------------------------|--|--|
| Employees sent to the ED after hours | 22 | | |
| Employees given PEP | 38 | | |
| Employees who declined PEP | 7 | | |
| Employees given HBIG | 5 *most have had Hep B shot | | |
| Employees who declined HBIG | 0 | | |
| Employees offered serial monitoring for Hepatitis C | 41 | | |







Soliciting Employee Input

- Employers must invite participation of nonmanagerial employees who are potentially exposed to sharps injuries to participate in identification, evaluation and selection of engineering and work practice controls.
- Explain in exposure control plan how employer solicited employee participation.

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OSHA Enforcement Revisions -Home Health The American Dental Association v. Martin decision upheld the bloodborne pathogen standard but restricted its application in home health services provided in private homes. feasibility of off-site control not appropriate OSHA may not cite employers when hazard is sitespecific (housekeeping requirements such as clean and sanitary worksite, handling and disposal of regulated waste, ensuring use of PPE, engineering controls and handwashing)

OSHA Enforcement Revision - Home Health (cont)

- The employer will be held responsible for all nonsite specific requirements of the exposure control plan
 - hepatitis B vaccination
 - post-exposure evaluation and follow-up
 - recordkeeping
 - generic training requirements
 - appropriate supply of PPE

