Exposure Control Plan for Bloodborne Pathogens

I. Description
Describes the policies for reducing the risk of exposure to a bloodborne pathogen in the workplace

II. Rationale
The risk of exposure to a bloodborne pathogen can be greatly reduced through the strict adherence to the administrative, engineering, and work practice controls included in this plan.

III. Policy
A. General Information

1. OSHA regulations (Occupational Exposure to Bloodborne Pathogens; Final Rule, is available on OSHA’s website (www.osha.gov)) require that the employer provide a written Exposure Control Plan (ECP) that covers the facility’s policies and procedures to prevent transmission of a bloodborne pathogen in the workplace. Staff of the UNC Medical Center (UNCMMC) may have duties in more than one facility; therefore, this exposure control plan is designed for all staff of UNC Medical Center (UNC Hospitals, Hillsborough Hospital, Wakebrook, the Ambulatory Surgical Center, UNC Health Care administrative offices, and community-based outpatient facilities), the UNC-Chapel Hill Campus Health Services, and the Adams School of Dentistry.

   • The OSHA document, Occupational Exposure to Bloodborne Pathogens; Final Rule is available on OSHA’s website (www.osha.gov).

<table>
<thead>
<tr>
<th>Role</th>
<th>Service Provider</th>
<th>Location of Provider</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNC</td>
<td>UNC Medical</td>
<td>1st Floor</td>
<td>OHS will provide TB</td>
</tr>
<tr>
<td>Role</td>
<td>Service Provider</td>
<td>Location of Provider</td>
<td>Notes</td>
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<tr>
<td>Medical Center Staff</td>
<td>Center Occupational Health Service (OHS)</td>
<td>Memorial Hospital, UNC-MC, M-1163</td>
<td>testing, immunization screening, vaccine administration, and care of non-emergent conditions/injuries. Staff with emergencies should report to the ED.</td>
</tr>
<tr>
<td>Hillsborough Hospital Staff</td>
<td>UNC Medical Center Occupational Health Services (OHS)</td>
<td>1st Floor Memorial Hospital, UNC-MC, M-1153</td>
<td>OHS will provide TB testing, immunization screening, vaccine administration, and care of non-emergent conditions/injuries. Staff with emergencies should report to the ED.</td>
</tr>
<tr>
<td>University Employees</td>
<td>University Employee Occupational Health Clinic (UEOHC)</td>
<td>AHEAC Building, 145 North Medical Drive</td>
<td>This includes visiting students such as visiting medical students who have an official rotation through a UNC health science school (i.e., students who have gone through an immunization review through the associated UNC health science school).</td>
</tr>
<tr>
<td>UNC dental, medical, and other UNC health students</td>
<td>Campus Health</td>
<td>James A. Taylor Building, 320 Emergency Room Drive</td>
<td>This includes visiting students such as visiting medical students who have an official rotation through a UNC health science school (i.e., students who have gone through an immunization review through the associated UNC health science school).</td>
</tr>
<tr>
<td>Non-UNC students</td>
<td>N/A</td>
<td>N/A</td>
<td>Contact their primary school.</td>
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2. Staff who have duties within other healthcare facilities must comply with the provisions of the Exposure Control Plan for that facility. However, staff are to obtain routine occupational health services through their employer's occupational health service (i.e., UNCMC OHS or University Employee Occupational Health Clinic).

3. Contract personnel must comply with this Exposure Control Plan. It is their employer's responsibility to provide basic bloodborne pathogen training and occupational health services consistent with the requirements of this document. Contract staff with blood or body fluid exposures should contact their employer and be evaluated by the ED at
UNC Medical Center unless a prior agreement for service with OHS has been established.

4. UNCMC staff may obtain a copy of the Exposure Control Plan via PolicyStat. University employees may obtain a copy via the UNC-CH Environment, Health and Safety website (UNC Department of Environment, Health & Safety) or by contacting the UNC-CH Department of Environment, Health and Safety at 919-962-5507.

**B. Responsibility**

1. **Infection Prevention/University Department of Environment, Health and Safety (EHS)**
   
   a. Review Exposure Control Plan and revise as needed.
   
   b. Identify list of job classifications with potential for occupational exposure.
   
   c. Provide ongoing consultation regarding implementation of OSHA's final rule on Occupational Exposure to Bloodborne Pathogens.
   
   d. Develop and coordinate educational programs.
   
   e. Assist with evaluation when non-compliance is reported. Noncompliance with bloodborne pathogen regulations by UNC Medical Center staff, House Staff, and Attending physicians should be documented by completing a Safety Awareness for Everyone (SAFE) report.
   
   f. Assist with the selection and evaluation of current safety devices.

2. **UNC Medical Center Occupational Health Service/University Employee Occupational Health Clinic**
   
   
   b. Review and maintain Hepatitis Immunization Program records.
   
   c. Review and continue post-exposure follow-up.
   
   d. Maintain documentation of exposure and follow-up as required by the OSHA final rule.
   
   e. The OSHA's Form 300 Log of Work-Related Injuries and Illnesses for UNC Medical Center employees is maintained by Worker’s Compensation. For University employees, it is maintained by the University’s Department of Environmental, Health, and Safety.

3. **Department Managers and Supervisors**
   
   a. Annually review list of all job classifications and identify job classifications in which staff in those positions have reasonably anticipated risk of occupational exposure.
b. Ensure and document employee orientation and annual training.

c. Ensure compliance

d. Ensure that suitable education/training programs are provided to staff by knowledgeable trainer(s). Training will include the appropriate use of new devices on an ongoing basis, review where engineering controls are currently employed, where they can be updated, and participate in the selection and evaluation of safer medical devices.

e. Ensure personal protective equipment and other necessary supplies are available in accessible locations.

f. Ensure that appropriate safety devices are stocked in their departments and staff have been trained in their use.

g. Evaluate the circumstances surrounding exposure incidents including an evaluation of “failures of control” at the time of the exposure incident and submit this information to the UNC Medical Center’s Environmental Health and Safety Department/UNC-CH University’s Department of Environment, Health, and Safety.

4. Supply Chain Performance

- Oversees the selection and evaluation of new products being introduced to UNCMC.

5. Oversight Committee

- Hospital Infection Control Committee (HICC) will serve as the Oversight Committee for the review/revision of the Exposure Control Plan for Bloodborne Pathogens.

6. Staff

a. Know what tasks they perform that may cause occupational exposure.

b. Participate in the bloodborne pathogens training module annually via the Learning Made Simple (LMS) or the University's Department of Environment, Health, and Safety training.

c. Plan and conduct all operations in accordance with the UNCMC and University engineering controls, work practice controls, and the use of personal protective equipment (PPE).

d. Staff who sustain an exposure incident must report the incident to their supervisor and follow up with the appropriate occupational health provider. UNC Medical Center staff must complete a SAFE report.

e. Participate in the selection and evaluation of safer medical devices where
C. Methods of Compliance

The use of administrative controls (e.g., Standard Precautions), engineering controls, work practice controls, and personal protective equipment (PPE) will protect staff from an occupational exposure to blood or other potentially infectious materials (OPIM): see OPIM definition 

Attachment 1: Definitions.

1. Standard Precautions
   a. Standard Precautions (SP) refers to practicing blood and body fluid precautions for all patients. SP shall be observed to prevent contact with blood or OPIM. Under circumstances in which differentiation between body fluid types is difficult or impossible, all body fluids except sweat shall be considered potentially infectious materials. Where occupational exposure remains after institution of engineering and work practice controls, personal protective equipment is also used.

2. Engineering Controls
   a. Engineering Controls are used as a primary means to eliminate or minimize staff exposure to bloodborne pathogens. Examples of engineering controls include sharps disposal containers, needleless IV systems, self-sheathing needles, and biologic safety cabinets as appropriate.
   b. Supply Chain Performance, Hospital Infection Control Committee, and Environmental Health and Safety Committee work with department managers and staff to review tasks and procedures performed in our facility where engineering controls can be implemented or updated.
   c. Departmental managers are responsible for assessing their area's needs on a continuing basis. Once an engineering control has been institutionally introduced and staff training has occurred, the engineering control should be used unless there are medical reasons that would contraindicate its use.

   
   | KEY POINT: | If nursing and/or medical staff believe an engineering control is contraindicated, staff will document the reason in writing and submit this to Infection Prevention for review and possible exclusion. |

   d. Engineering controls are assessed routinely to ensure that each control is maintained, and that the device reflects changes in technology that eliminate or reduce exposure to bloodborne pathogens. Documentation must be maintained by the Supply Chain Performance team to ensure consideration and implementation of appropriate commercially available and effective safer medical devices has occurred (e.g., blunted suture
3. Work Practice Controls

a. Work practice controls are followed to help decrease the potential for staff exposure to bloodborne pathogens. Oversight and implementation of work practice controls are performed by the department manager who works in conjunction with the Medical Center’s Infection Prevention staff and safety personnel.

b. Hand hygiene products (e.g., antimicrobial soap, waterless alcohol-based hand rub (ABHR)) are readily accessible to all staff who have the potential for occupational exposure.
   - Refer to the Infection Prevention policy: Hand Hygiene and Use of Antiseptics for Skin Preparation.

c. Following any contact of body areas with blood or OPIM
   i. Staff must wash their hands and any other exposed skin with an antimicrobial soap and water according to the Infection Prevention policy: Hand Hygiene and Use of Antiseptics for Skin Preparation.
   ii. If the exposure to blood or body fluids involves the eyes or other mucous membranes, they must flush the exposed mucous membranes with water. Eyewash stations are located in multiple clinical areas of UNC Medical Center and the School of Dentistry. Staff should learn the location of the nearest eyewash station in their assigned work area. Additionally, UNC Medical Center Occupational Health Clinic has an approved eyewash station, located on first floor Memorial Hospital, Room 168. Refer to the Environmental Health and Safety policy: Emergency Eyewash and Shower Equipment.
   iii. Shower facilities are available within the medical center for the staff who encounter exposure to blood or OPIM. Showers are located in the Medical Center in the Emergency Department, Perioperative Services (Main hospital, Women's and Children's Hospital, Hillsborough Hospital (HBH), and on the ground floor adjacent to the Central Processing Department (CPD). Showers are also located in the Ambulatory Surgery Center and in the Family Medicine Center (Manning Drive).

d. Disposal of Sharps
   i. Plan safe handling and disposal of sharps before beginning any procedure using sharps (e.g., needles, scalpel blades, phlebotomy needles, etc.).
ii. Sharps disposal should occur as close to the point of use as possible by the person using the sharp.

iii. Do not pass sharp instruments from hand to hand unless the specific procedure requires continuous focus.

iv. Pass sharp instruments using either a neutral zone or in a suitable container to decrease the possibility of injury from sharp, contaminated objects.

v. Do not shear, bend, recap, or remove contaminated needles and other contaminated sharps unless it can be demonstrated that there is no feasible alternative or the action is required for a specific medical procedure. Recapping or needle removal is accomplished through a mechanical device or a one-handed technique. This can be accomplished by placing the cover (cap) on a flat surface and sliding the needle into it, using a hemostat to hold the cap or obtaining a commercial needle recapping device. Two-handed recapping of needles is prohibited. Contaminated phlebotomy needles and tube holders are not to be separated and are discarded as a unit. The tube holders are not to be reused.

vi. The user should discard sharps immediately after use, or as soon as possible, in containers that are closeable, puncture resistant, and leak-resistant on sides and bottom.

vii. Sharps Containers

- Containers are labeled with a BIOHAZARD label.
- Containers will be easily accessible and located as close as possible to the immediate area where sharps are used or can be reasonably anticipated to be found.
- To prevent needle-stick injuries, wall mounted sharps containers will be affixed with the opening 52" - 56" from the floor, so the opening may be observed for protruding sharp objects.
- The sharps containers will be secured upright throughout use and be routinely replaced when 2/3 to 3/4 full and not be allowed to overfill.
- The replacement of full sharps containers is a joint responsibility between Nursing and Environmental Services.
- Close and lock the sharps container immediately prior to
removal to prevent spillage or protrusion of contents during handling, storage, or transporting.

- Closed sharps containers are to be placed in a regulated medical waste containers. Environmental Services staff will remove sealed boxes from the clinic areas.

e. UNCMC staff should not retrieve objects from biohazard waste containers. Supervisors should not instruct staff to retrieve objects from biohazard waste containers.

f. Eating, drinking, applying cosmetics or lip balm, and handling contact lenses are prohibited in work areas where there is a reasonable likelihood of occupational exposure to bloodborne pathogens, (e.g., laboratories, treatment rooms).

g. Food and drink are not kept in refrigerators, freezers, shelves, cabinets, or on counter-tops or work bench tops or in other storage areas where blood or OPIM are present.

h. All procedures involving blood or OPIM shall be performed in such a manner as to minimize splashing, spraying, spattering, and generation of droplets of these substances.

i. Mouth pipetting/suctioning of blood or OPIM is prohibited.

j. Specimens of blood or OPIM shall be placed in a container that prevents leakage during collection, handling, processing, storage, transport, or shipping. If outside contamination of the primary container occurs, decontaminate the container with an approved EPA-registered disinfectant prior to delivering to the lab. Specimens shall be placed in a secondary container (e.g., bath basin, specimen bag, robot, cooler) labeled with a BIOHAZARD label when being transported. Refer to the Plant Engineering policy: Pneumatic Tube Transport System - Computerized Tube System (CTS), for sending specimens to the lab in this manner. Specimens that leave the premises must be labeled with a BIOHAZARD label.

k. Equipment known or suspected to be contaminated with blood or OPIM is examined prior to servicing or shipping and decontaminated as necessary, unless it can be demonstrated that decontamination is not feasible. If the equipment cannot be decontaminated, a BIOHAZARD label must be attached to the equipment, stating which portions remain contaminated. Items must be appropriately cleaned after maintenance and prior to patient use.

l. Patient forms that have been stained with blood or body fluids must be placed in a clear fluid impermeable bag, scanned into the electronic medical
m. While transporting deceased patients Standard Precautions must be maintained. According to the North Carolina State Law (10A NCAC 41A .0212) for the handling and transporting of deceased individuals, "Persons handling the body of any person who died and is known to be infected with HIV or hepatitis B or any person who died and is known or reasonably suspected to be infected with Jakob-Creutzfeldt or rabies shall be provided written notification to observe blood and body fluid precautions."

4. Personal Protective Equipment

a. Personal protective equipment (PPE) is used by staff to provide for protection against a hazard such as blood or OPIM. It is the employer's responsibility to provide PPE. PPE consists of specialized clothing or equipment worn by staff such as gloves, fluid-resistant gowns, lab coats, aprons, masks, face shields, and protective eye wear. All staff must routinely use PPE when there is a potential for exposure to blood or other potentially infectious materials. PPE in the appropriate size is readily available in the work area (e.g., Clean Utility Room, PPE carts, or cabinets). Special arrangements can be made for unique needs (e.g., glove liners, hypoallergenic gloves) of staff members with their supervisors, after evaluation in OHS.

b. All PPE is removed prior to leaving the patient care or work area. When PPE is removed, it is placed in an appropriately designated area for storage, washing, decontamination, or disposal. Disposable PPE should be discarded in the trash.

c. All reusable PPE (e.g., utility gloves) must be decontaminated (use an EPA-registered disinfectant) prior to re-use if the integrity of the PPE is not compromised. If the PPE is cracked, peeling, torn, punctured, or exhibits other signs of deterioration, or when its ability to function as a barrier is compromised, the PPE must be discarded.

d. Types of PPE

i. Gloves

• Nitrile or non-latex gloves must be worn when it can be reasonably anticipated that staff may have had contact with blood, OPIM, mucous membranes, non-intact skin, and when performing vascular access procedures. Employees with skin or systemic reactions to latex,
nitrile, or hand hygiene agents must be evaluated by their Occupational Health Service for alternatives.

- Disposable single-use gloves must be changed as soon as practical when contaminated, torn, punctured, or when their ability to function as a barrier is compromised.

- Disposable single-use gloves are not to be washed or disinfected for reuse.

- Gloves must be changed after contact with each patient/patient environment. Hand hygiene with soap and water or with ABHR should be used after glove removal.

- Change gloves and perform hand hygiene during patient care when moving from a contaminated site to a clean site.

- When used for irritant contact dermatitis (ICD), cotton glove liners should be replaced at the beginning of each shift with a clean pair. If they become contaminated with blood or OPIM or become generally soiled in appearance, they should be removed promptly and replaced.

- Gloves should be removed and hand hygiene performed before touching clean, shared environmental surfaces (e.g., computer keyboards and telephones in common areas).

- Double gloving has been shown to reduce blood exposures during operative procedures, and therefore is recommended for all surgeons, scrub nurses, scrub techs, and any other personnel performing high-risk procedures or prolonged surgeries.

ii. Masks, eye protection or face shields

- Masks and eye protection, or face shields will be worn whenever splash, spray, splatter, or droplets of blood, or OPIM may be generated and eye, nose, or mouth contamination can be reasonably anticipated (e.g., emptying suction canisters, open suctioning of coughing patients, trauma procedures).

- Prescription eyeglasses are not to be used as eye
iii. Gowns

- Gowns, aprons and other protective body clothing should be worn in occupational exposure situations. The type and characteristics will depend on the task and the degree of exposure anticipated. Appropriate protective clothing must prevent contamination of staff's skin or clothing by blood or OPIM. For example, fluid-resistant PPE must be worn when it is reasonably anticipated that there would be sufficient blood exposure (e.g., spraying) that it would pass through to or reach the skin, eyes, mouth, or other mucous membranes under normal conditions of use. Waterproof gowns are available for use (e.g., blue plastic gown). A non-fluid resistant gown (i.e., yellow isolation gown) may be worn in all other procedures.

- If personal protective equipment (garment) is penetrated by blood or OPIM, the garment must be removed immediately or as soon as possible and placed in the appropriate container for disposal, storage, washing, or decontamination. Staff must remove contaminated PPE in such a way as to avoid contact with the contaminated portions.

- Scrubs are not personal protective equipment.

iv. Contaminated Personal Clothing/Scrub

i. Personal clothing/scrubs contaminated with blood or OPIM must not be taken home for laundering. The same care shall be exercised in the handling of contaminated personal clothing as the PPE handling described above.

ii. If personal clothing/scrubs is contaminated, contact Central Distribution (CD) Main at 984-974-4306 and ask for the Supply Chain Supervisor or the Supply Chain Supervisor on-call to obtain a set of loaner scrubs. A designated staff member that is not the staff member
who sustained a blood/OPIM/body fluid exposure to personal clothing should go to pick up a new set of
scrubs.

iii. Clean scrubs can be obtained through the method outlined above for UNCMC. Reimbursement for personal
clothing/scrubs contaminated with blood or OPIM may be discussed with the staff member's department.
University employees should remove contaminated personal clothing following the above recommendations
for removal of PPE and notify their supervisor.

iv. Additional PPE (e.g., bonnets, hoods, shoe covers, boots) may be required in instances when gross
contamination is reasonably anticipated (e.g., autopsies, trauma surgery, labor and delivery, and orthopedic
surgery).

5. Sterilization, Disinfection, and Housekeeping

a. Standard sterilization and disinfection procedures for patient care
equipment are adequate to sterilize or disinfect instruments, devices, or
other items contaminated with blood or OPIM. (Refer to Infection Prevention
policies: High-Level Disinfection (HLD) - Manual Reprocessing of Reusable
Semi-Critical Medical Devices and Sterilization of Reusable Patient-Care
Items.

- An EPA-registered disinfectant or a bleach disinfectant wipe must
be used to decontaminate non-critical devices or equipment (that
has contact with intact skin) after blood or OPIM contamination
per manufacturer's instructions for use. Refer to Infection
Prevention policy: Cleaning and Disinfection of Non-Critical Items.

b. All equipment and environmental work surfaces will be cleaned and
decontaminated after contact with blood or OPIM and at the end of the work
shift if the surface may have become contaminated during the shift.

c. Blood and body fluid spills should be cleaned using a bleach disinfectant
wipe or an EPA-registered disinfectant may be used for decontaminating
small (<10 mL) spills of blood or OPIM. Strategies for decontaminating spills
of blood and other body fluids in a patient-care setting are different than for
spills of cultures or other materials in clinical, public health, or research
laboratories. In both settings, gloves will be worn during the cleaning.

i. In patient-care areas visible material should be removed with disposable towels or other appropriate means that will ensure against direct contact with blood and then the area should be decontaminated.

ii. With large spills of cultured or concentrated infectious agents in the laboratory, the contaminated area should be flooded with an EPA-registered disinfectant before cleaning, and then decontaminated again with the EPA-registered disinfectant.

d. Protective coverings, such as plastic wrap, aluminum foil, or imperviously-backed absorbent paper used to cover equipment and environmental surfaces, will be removed and replaced when they become overtly contaminated, between patients, and at the end of the work shift if they may have become contaminated during the shift.

e. All bins, pails, cans, and similar receptacles intended for reuse which have a reasonable likelihood for becoming contaminated with blood or OPIM will be inspected and decontaminated on a regularly scheduled basis, cleaned and decontaminated immediately, and/or as soon as feasible upon visible contamination.

f. Broken glassware, razors or other sharp items that may be contaminated will not be picked up directly with the hands. It will be picked up using mechanical means, such as a brush and dustpan, tongs or forceps, and the broken glass will be placed in a rigid container (e.g., sharps container) for disposal.

g. If a wet vacuum is used for removing large spills of liquid, it must be disinfected with an EPA-registered disinfectant after use.

6. Regulated Medical Waste

a. Regulated medical waste is handled in accordance with federal, state, and local laws and Infection Prevention policy: Guidelines for Disposal of Regulated Medical Waste and UNC-CH Medical Waste Disposal Procedures for Campus Health and the School of Dentistry.

b. North Carolina regulates three types of medical waste:

   i. Microbiology laboratory waste

   ii. Pathology waste

   iii. Blood specimens or blood products in quantities greater than 20 mL per unit container.
c. While any item that has had contact with blood, exudates, or secretions may be potentially infective, it is not considered practical or necessary to treat all such waste as infective.

d. The regulated medical waste at UNCMC is placed into a red bag and treated in compliance with state regulations (e.g., incinerated).

e. In university medical facilities, regulated medical waste is placed in a biohazard/medical waste box that is lined with a red bag. When the box is filled to a reasonable level, the bag is tied and the box top is closed and secured. Clinic staff members are responsible for the closing and securing of medical waste boxes. Environmental Services staff will remove sealed boxes from the clinic areas. The boxes will be transported to the loading dock area where they will be collected by the waste disposal contractor for transport to an incinerator.

f. Bulk blood, suctioned fluids, excretions, and secretions may be carefully poured down a clinical sink (not handwashing sink) or hopper connected to a sanitary sewer. Any fluid splashed onto surrounding surfaces (e.g., walls) will be removed immediately using an EPA-registered disinfectant.

7. Laundry

a. Although soiled linen has been identified as a source of large numbers of certain pathogenic microorganisms, the risk of actual disease transmission is negligible. Hygienic storage and processing of clean and soiled linen are recommended.

b. Contaminated laundry is handled as little as possible and with minimal agitation to prevent gross microbial contamination of the air and of persons handling the linen. Refer to the Infection Prevention policy: Laundry and Linen Service for details.

D. Occupational Health Service

1. Exposure Reporting

a. Introduction

i. Any staff member who has an exposure to blood or body fluids should take immediate action.

   • Exposed skin and any puncture sites should be thoroughly washed with soap and water.

   • Eyes are to be rinsed thoroughly with water at an eyewash station or if a station is not available, using sterile saline, eye irrigation, or clean water. The eyes
should be flushed for a minimum of five minutes.

- If the mouth is exposed, rinse/flush with clean water.
- The application of caustic agents (e.g., bleach) or the injection of antiseptics or disinfectants into the wound is not recommended.

ii. Current protocols for HIV post-exposure prophylaxis (HIV PEP) necessitate immediate reporting of occupational exposures so that administration of antiretroviral prophylaxis can be promptly initiated when indicated. Current Centers for Disease Control (CDC) and National Institute of Health (NIH) recommendations advise that antiretroviral prophylaxis be started within 24 hours of the exposure.

iii. Staff should call ahead to their occupational health provider to initiate the post-exposure evaluation immediately after injury.

b. Reporting an Exposure

i. All UNC Medical Center staff, including those working off site are to report exposures to Occupational Health Service Needlestick Hotline (NHL) at 984-974-4480.
   - UNC Medical Center staff must complete a SAFE report and call the Needlestick Hotline at 984-974-4480. This service is provided 24 hours per day, 7 days per week by UNC Medical Center Occupational Health Service. They will be provided with immediate evaluation and timely treatment of the potential exposure.
   - Staff should refer to the Bloodborne Pathogen Exposure (BBPE) protocol found on the Occupational Health Services (OHS) website on the UNC Medical Center Intranet. This protocol is reviewed annually to comply with the Exposure Control Plan for Bloodborne Pathogens and OSHA Bloodborne Pathogen Standard.

ii. University Employees
   - Employees of the University are to call University Employee Occupational Health Clinic (UEOHC) at 919-966-9119 (7 days/week, 24 hours/day). University staff should refer to the HIV Post Exposure Protocol (Bloodborne Pathogen Exposure Protocol) on the UNC Health Care Intranet for additional information.
iii. Students (including Visiting Medical Students)

- Students should call UNC Campus Health at 919-966-6573 to speak with a registered nurse about any exposures. On nights and weekends, this number is forwarded to UNC Nurse Connect who will be able to contact the House Supervisor and Campus Health Duty Doctor on call.

- Since students are not employees, their private health insurance will be used if they are seen in the emergency room or other medical clinics.

- Please refer to Attachment 5: Bloodborne Pathogen Exposure - Mode of Operations for Campus Health Services. Information is also available on the CHS website: https://campushealth.unc.edu/urgent-needs/.

iv. Contract Personnel (e.g., Traveling Nurses)

- Contract personnel must report the exposure to their employer and then contact the Emergency Department (ED) for evaluation and possible treatment for high-risk exposure unless a prior agreement for service with OHS has been established.

v. Trainees Not Affiliated with UNC

- Trainees not affiliated with UNC must report the exposure to their clinical instructor/school. They will be referred to the Emergency Department.

vi. Following an exposure incident

- Following an exposure incident, the occupational healthcare provider (OHP) will provide staff with an exposure evaluation report regarding the incident. Staff will also be provided with a Health Care Professional Written Opinion for Hepatitis B Vaccine within 15 days from the time of report. The employer will bear the costs, including costs for staff who must travel away from the work site for medical procedures and evaluations. Medical procedures and evaluations must be convenient to staff and normally be offered during staff’s scheduled work hours. Staff who work off site and who experience an exposure as defined in this document should first call the Needlestick Hotline.
(984-974-4480) and then refer to the OHS Blood Exposure Protocol on the UNC Medical Center Intranet.

- A sharps injury log is maintained by UNC Medical Center Occupational Health Service and the OSHA 300 Log is maintained by Worker's Compensation. The Sharps Injury Log includes information on the injury, including the type and brand of device involved in the incident, the department or work area where the exposure incident occurred, and an explanation of how the incident occurred. Medical records are kept confidential for all staff.

- For staff of UNC Medical Center, these records are kept and maintained by the Occupational Health Service. University staff records are kept at University Employee Occupational Health Clinic (UEOHC). Records are not disclosed or reported without the staff's expressed written consent to any person within or outside the workplace except as required by law. Staff medical records are kept for at least the duration of employment plus 30 years.

2. Management of Hepatitis B Virus
(Refer to Occupational Health Services policy: HBV/HIV Infections)

a. Definition of Exposure

- Staff will be defined as having been occupationally exposed to HBV under the following conditions: The source is HBsAg and/or HBeAg-positive AND one of following has occurred.
  - Staff suffered a percutaneous injury with a contaminated sharp.
  - Staff had contact on a mucosal surface or abraded skin with contaminated blood or OPIM.
  - Staff had skin contact with blood, fluid containing visible blood, or other potentially infectious fluid or tissue AND the skin integrity in the area of contact was visibly compromised.
  - Staff had parenteral exposure to or mucosal membrane contact with a contaminated body fluid. Such fluids include semen, vaginal secretions, amniotic fluid, cerebrospinal fluid, synovial fluid, pleural fluid,
pericardial fluid, peritoneal fluid, or saliva during a dental procedure. In addition, contact with any unfixed tissue or organ (other than intact skin) from a human (living or dead).

- Staff received a bite that breaks the skin. Please report to Occupational Health Services (OHS) for evaluation.

b. Pre-Exposure Prophylaxis

i. Hepatitis B vaccine will be offered to all staff (unless contraindicated) who have potential exposure to blood, blood products, or body fluids that may contain blood. Immunity to hepatitis B virus is strongly encouraged for all at risk staff. However, staff may decline hepatitis B immunization by signing the Hepatitis B Vaccine Declination form (Attachment 3 - Hepatitis B Declination Form and Informed Refusal). Hepatitis B immunization will be provided to at risk staff at no charge. Hepatitis B vaccination must be made available after the employee has received information and training regarding the vaccine.

ii. The standard immunization schedule and follow-up with anti-HBsAg titers as designated by the CDC’s Advisory Committee on Immunization Practices (ACIP) will be followed.

iii. Newly hired staff without evidence of post vaccine serologic testing, an anti-HBsAg titer should be offered per CDC/ACIP algorithm.

iv. HBV vaccine will be provided to staff during working hours (on the clock). Staff traveling from remote work sites (not home) will be reimbursed for travel or allowed to use a State vehicle.

c. Post-Exposure Prophylaxis

- Post-exposure prophylaxis will be offered if indicated (unless contraindicated) to all staff with an exposure as recommended by CDC and ACIP. Post-exposure prophylaxis will depend on the infective status of the source (i.e., HBsAg positive), the immune status of the exposed person (i.e., anti-HBs titer), and vaccination status of the exposed person. Post-exposure prophylaxis may include HBIG and/or additional doses of hepatitis B vaccine.

d. Evaluation of staff with Acute Hepatitis B Infection

- If the infection resulted from occupational exposure, primary care will be provided by the staff’s OHP. If the infection did not result
from occupational exposure, the employee will be referred to their primary care provider for medical care. Referral to a gastroenterologist may also be suggested. Staff with acute hepatitis B infection will be sent home on sick leave during the acute infection (jaundice). Staff will be counseled regarding the need for precautions to prevent home or hospital transmission of infection. Every effort will be made to document whether infection resulted from occupational exposure. All cases will be reported to the NC State Health Department, as per NC State regulations. Prior to returning to work all staff who have had acute infection, must receive medical clearance per OHP protocols.

3. Management of Hepatitis C Virus
   a. Definition of Exposure
      • Staff will be defined as having been occupationally exposed to HCV under the following conditions: The source is HCV antibody positive and/or HCV PCR positive AND one of the following has occurred.
         - Staff suffered a percutaneous injury with a contaminated sharp.
         - Staff had contact on a mucosal surface or abraded skin with contaminated blood or a bloody body fluid.
         - Staff had skin contact with blood, fluid containing visible blood, or other potentially infectious fluid or tissue AND the skin integrity in the area of contact was visibly compromised.
         - Staff had parenteral exposure to or mucosal membrane contact with a contaminated body fluid. Such fluids include semen, vaginal secretions, amniotic fluid, cerebrospinal fluid, synovial fluid, pleural fluid, pericardial fluid, peritoneal fluid, or saliva during a dental procedure. In addition, contact with any unfixed tissue or organ (other than intact skin) from a human (living or dead).
         - Staff received a bite that breaks the skin. (Please refer to OHS Protocol: Management of Human Bites.)
   b. Pre-Exposure Prophylaxis
      • None Available
c. Post-Exposure Prophylaxis
   • None Available

d. Evaluation of staff to HCV positive persons will be managed per the most recent CDC guidelines

e. Evaluation of staff with Acute Hepatitis C Infection
   i. If the infection resulted from occupational exposure, primary care will be provided by the employee’s Occupational Health Service. If the infection did not result from occupational exposure, the employee will be referred to their primary care provider for medical care. Referral to a gastroenterologist may also be suggested. Staff with acute hepatitis C infection will be sent home on sick leave during the acute infection (jaundice). All such staff will be counseled regarding the need for precautions to prevent home or hospital transmission of infection. Every effort will be made to document whether infection resulted from occupational exposure. All cases will be reported to the State, as per State regulations.
   ii. Prior to returning to work all staff who had acute infection must receive medical clearance per OHP protocols. Staff will be followed for at least one year to determine if they have developed chronic hepatitis C infection.

4. Management of Bloodborne Exposures to HIV
   (refer to the Occupational Health Services policy: HBV/HIV Infections)

a. Definition of Exposure
   • Staff will be defined as having been occupationally exposed to HIV under the following conditions: The source is HIV-positive (HIV Ag/Ab combo 4th generation test positive, AND one of following has occurred.
     ◦ Staff suffered a percutaneous injury with a contaminated sharp (contaminated is defined as previous contact with blood, bloody body fluid, or potentially infectious fluid semen, vaginal secretions, cerebrospinal fluid, synovial, pleural, peritoneal, pericardial, and amniotic fluids).
     ◦ Staff had contact on a mucosal surface with contaminated blood, bloody body fluid, or other potentially infectious fluids (semen, vaginal secretions, cerebrospinal fluid, synovial, pleural, peritoneal, pericardial, pericardial, and amniotic fluids).
b. Prophylactic Therapy of Exposed Staff

- UNC Medical Center will make anti-retroviral medication available at no cost to staff who meet CDC criteria for an exposure warranting PEP. PEP will be provided per CDC and NIH PEP guidelines. Employees who desire anti-retrovirals for other indications will be referred to their local medical doctor or the Infectious Disease Clinic (treatment being at the employee’s expense).

5. Staff will be defined as having NOT been occupationally exposed to HIV, HBV, or HCV under the following conditions:
   a. The source is HIV, HBV, HCV negative even if the source is a member of a group at high risk of infection.
   b. Inhalation or possible inhalation of microscopic blood or body fluids.
   c. Contact of intact skin with contaminated blood or body fluid.
   d. Percutaneous injury with a non-contaminated sharp.
   e. Parenteral exposure or mucous membrane contact with saliva, sputum, tears, human milk, urine, or feces, in which there is no visible blood.

6. Staff under investigation by the Controlled Substances Assessment Team for drug diversion by injectable mechanism will be asked to submit to voluntary HIV, Hepatitis B, and Hepatitis C testing to ensure they would not be the source of exposure to patients.

E. Determination of Staff with Reasonably Anticipated Occupational Exposure

Each manager will review their list of job classifications to identify which staff in those positions have reasonably anticipated occupational exposure. (See Attachment 2: Job Classification with Reasonably Anticipated Occupational Exposure for job classification listing.)
F. Training and Record Keeping

1. Purpose
   - The purpose of this document is to provide an outline for the training of all occupationally exposed staff to ensure that all elements of training are addressed in educational programs.

2. Policy
   - Staff who have occupational exposure to blood and other potentially infectious materials will receive training at the time of initial assignment to an area where occupational exposure may take place and at least annually and more often if a need is indicated. If an employee is only proficient in a foreign language, the trainer or an interpreter must convey the information in that foreign language. Opportunities for interactive questions and answers are available 24 hours a day, 7 days a week, provided by the Infection Preventionist (IP) on call. Contracted services are responsible for providing OSHA education regarding Bloodborne Pathogens to contract staff.

3. General Information
   a. The OSHA-required training is a condition of employment for all staff of the UNC Medical Center and University. Each department manager must ensure that all staff identified as having potential occupational exposure participate in a training program. Material appropriate in content and vocabulary to educational level, literacy, and language of employees shall be used.
   b. Training shall be provided at the time of initial employment prior to participating in exposure-prone activities and within 364 days from last training thereafter. The hospital will provide additional training when changes such as modifications of tasks or procedures affect the staff’s risk for occupational exposure.
   c. Training can be accomplished via a variety of mechanisms. The majority of Medical Center staff utilize a self-instructional module located on the Learning Made Simple (LMS). Staff in designated departments (e.g., Environmental Services) receive training from the Departmental Safety Coordinators (DSC) or Interpreters who use written material with post-test or videotapes. An Infection Preventionist is available 24/7, by paging the Infection Preventionist on-call through the hospital directory to address questions regarding the training. For University employees, the UNC-CH Department of Environment, Health and Safety conducts training sessions at the request of departments that include all the required educational elements. Staff may also elect to use the self-study training for bloodborne pathogens located on the EHS website.
4. Training Elements

   • The training must contain the following elements:

   i. An accessible copy of the regulatory text of the OSHA bloodborne pathogen standard.

   ii. A general explanation of the epidemiology and symptoms of bloodborne diseases.

   iii. HIV and HBV must be described. Employer must convey that a number of other bloodborne diseases exist (e.g. hepatitis C and syphilis).


   v. An explanation of the appropriate methods of recognizing procedures and other activities that may involve exposure to blood and other potentially infectious materials.

   vi. An explanation of methods that will prevent or reduce exposure including engineering controls, work practices and personal protective equipment.

   vii. Information on the types, proper uses location, removal, handling, decontamination and/or disposal of personal protective equipment.

   viii. An explanation of the basis for selection of personal protective equipment.

   ix. Information on the hepatitis B vaccine, including information on the vaccine’s efficacy, safety, and the benefits of being vaccinated.

   x. Information on the appropriate actions to take and persons to contact if an emergency involving blood occurs.

   xi. An explanation of the procedures to follow if an exposure incident occurs, including the methods of reporting the incident and the medical follow-up that will be made available.

   xii. An explanation of the signs and labels and color-coding used at UNC Medical Center.

5. Training Record Elements

   a. The dates of the training sessions.

   b. The contents or a summary of the training sessions.
c. The names and qualifications of the persons conducting the training.

d. The names and job titles of all persons attending the training sessions.

e. Records must be maintained for three years from the date on which the training occurred. For employees of the Medical Center, records are kept by each individual department. For University employees, documentation is kept at the UNC-CH Department of Environment, Health and Safety.

**IV. References**


V. Related Policies

Environmental Health and Safety Policy: Emergency Eyewash and Shower Equipment

Infection Prevention Policy: Cleaning and Disinfection of Non-Critical Items

Infection Prevention Policy: Creutzfeldt-Jakob Disease (CJD)

Infection Prevention Policy: Guidelines for Disposal of Regulated Medical Waste

Infection Prevention Policy: Hand Hygiene and Use of Antiseptics for Skin Preparation

Infection Prevention Policy: High-Level Disinfection (HLD) - Manual Reprocessing of Reusable Semi-Critical Medical Devices

Infection Prevention Policy: Laundry and Linen Service

Infection Prevention Policy: Sterilization of Reusable Patient-Care Items

Occupational Health Services Policy: HBV/HIV Infections

Plant Engineering Policy: Pneumatic Tube Transport System - Computerized Tube System (CTS)

Attachments

01: Definitions

02: Job Classifications with Reasonably Anticipated Occupational Exposure

03: Hepatitis B Vaccine Declination for UNC Employees

04: UNC-CH Committee Review of Engineering and Work Practice Controls/Sharps Safety Devices in Use and Under Evaluation for the UNC School of Dentistry and Campus Health Services

05: Bloodborne Pathogen Exposure - Mode of Operation for Campus Health Services

Approval Signatures

<table>
<thead>
<tr>
<th>Step Description</th>
<th>Approver</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policy Stat Administrator</td>
<td>Kimberly Novak-Jones: Nurse Educator</td>
<td>05/2023</td>
</tr>
<tr>
<td></td>
<td>Thomas Ivester: CMO/VP Medical Affairs</td>
<td>05/2023</td>
</tr>
<tr>
<td></td>
<td>Emily Vavalle: Dir Epidemiology</td>
<td>05/2023</td>
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</tbody>
</table>
### Attachment 1: Definitions

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>Blood</td>
<td>Human blood, human blood components, and products made from human blood.</td>
</tr>
<tr>
<td>Bloodborne Pathogens</td>
<td>Pathogenic microorganisms that are present in human blood or other potentially infectious materials (OPIM) and can cause disease in humans. These pathogens include, but are not limited to, hepatitis B virus (HBV), hepatitis C virus (HCV), human immunodeficiency virus (HIV) and syphilis.</td>
</tr>
<tr>
<td>Contaminated</td>
<td>The presence or the reasonably anticipated presence of blood or other potentially infectious materials on an item or surface.</td>
</tr>
<tr>
<td>Contaminated Laundry</td>
<td>Laundry wet or soiled with blood or other potentially infectious materials and presents a reasonable likelihood of soak through or leakage from the bag or contains laundry, which may contain sharps.</td>
</tr>
<tr>
<td>Contract Employees</td>
<td>Any employee who is not paid by UNC Health and is not a University employee.</td>
</tr>
<tr>
<td>Decontamination</td>
<td>The use of physical or chemical decontamination means to remove, inactivate, or destroy bloodborne pathogens on a surface or item.</td>
</tr>
<tr>
<td>Engineering Controls</td>
<td>Controls (e.g. sharps disposal containers, self-sheathing needles, and safer medical devices, such as sharps with engineered sharps injury protectors and needleless systems) that isolate or remove the bloodborne pathogens hazard from the workplace.</td>
</tr>
<tr>
<td>Exposure Incident</td>
<td>A specific eye, mouth, other mucous membrane, non-intact skin, or parenteral contact with blood or other potentially infectious materials that results from the performance of an employee's duties.</td>
</tr>
<tr>
<td>Needleless System</td>
<td>A device that does not use needles for: 1) collection of bodily fluids or withdrawal of body fluids after initial venous or arterial access is established; 2) the administration of medication or fluids or 3) any other procedure involving the potential for occupational exposure to bloodborne pathogens due to percutaneous injuries from contaminated sharps.</td>
</tr>
<tr>
<td>Occupational Exposure</td>
<td>Reasonably anticipated skin, eye, mucous membrane, or parenteral contact with blood or other potentially infectious materials that may result from the performance of an employee's duties. This definition excludes incidental exposures that may take place on the job, and that are neither reasonably nor routinely expected and that healthcare personnel is not required to incur in the normal course of employment.</td>
</tr>
<tr>
<td>Other Potentially Infectious Materials (OPIM)</td>
<td>(1) The following body fluids: semen, vaginal secretions synovial fluid, cerebrospinal fluid, pleural fluid, pericardial fluid, peritoneal fluid, amniotic fluid, saliva in dental procedures, any bodily fluid that is visibly contaminated with blood, and all body fluids in situations where it is difficult or impossible to differentiate between body fluids. (2) Any unfixed tissue or organ (other than intact skin) from a human (living or dead); and (3) HIV, HBV or HCV containing cell or tissue cultures, organ cultures, and HIV, HBV, or HCV containing culture medium or other solutions; and blood, organs or other tissues from experimental animals infected with HIV, HBV, or HCV.</td>
</tr>
<tr>
<td>Parenteral</td>
<td>Piercing mucous membranes or the skin barrier through such events as needlesticks, human bites, cuts, and abrasions.</td>
</tr>
<tr>
<td>Personal Protective Equipment (PPE)</td>
<td>Specialized clothing or equipment worn by an employee for protection against a hazard.</td>
</tr>
<tr>
<td><strong>Regulated Medical Waste</strong></td>
<td>Infectious waste (microbiological, pathological, and blood products) that is to be disposed of according to rules established by the North Carolina Solid and Hazardous Waste Management Branch.</td>
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<tr>
<td><strong>Sharp with Engineered Safety Device</strong></td>
<td>A non-needle sharp or a needle device used for withdrawing body fluids, accessing a vein or artery, or administering medications or other fluids, with a built-in safety feature or mechanism that effectively reduces the risk of an exposure incident.</td>
</tr>
<tr>
<td><strong>Source Individual</strong></td>
<td>Any individual, living or dead, whose blood or other potentially infectious materials may be a source of occupational exposure to the employee. Examples include, but are not limited to, hospital and clinic patients; clients in institutions for the developmentally disabled; trauma victims; clients of drug and alcohol treatment facilities; residents of hospices and nursing homes; human remains; and individuals who donate or sell blood or blood components.</td>
</tr>
<tr>
<td><strong>Standard Precautions</strong></td>
<td>A method of infection control in which all human blood and other potentially infectious materials (OPIM) are treated as if known to be infectious. Standard Precautions apply to (1) blood; (2) all body fluids, secretions, and excretions except sweat, regardless of whether or not they contain visible blood; (3) non-intact skin; (4) mucous membranes; and (5) human milk. Standard Precautions are designed to reduce the risk of transmission of microorganisms from both recognized and unrecognized sources of infection in hospitals.</td>
</tr>
<tr>
<td><strong>Sterilize</strong></td>
<td>The use of a physical or chemical procedure to destroy all microbial life including highly resistant bacterial endospores.</td>
</tr>
<tr>
<td><strong>Students</strong></td>
<td>All UNC students. Students should contact Campus Health Services.</td>
</tr>
<tr>
<td><strong>UNC Medical Center Employee</strong></td>
<td>Any employee of UNC Hospitals, Hillsborough Hospital, Ambulatory Surgical Center, Wakebrook, and UNC Health Care administrative offices and community based outpatient facilities who are paid by UNC Health.</td>
</tr>
<tr>
<td><strong>University Employee</strong></td>
<td>Any employee of Campus Health Services, the Adams School of Dentistry, Attending Physicians or Fellows paid by UNC, or any other University employee who works in health care facilities. This term and this exposure control plan do not apply to other employees of UNC-CH.</td>
</tr>
<tr>
<td><strong>Work Practice Controls</strong></td>
<td>Controls that reduce the likelihood of exposure by altering the manner in which a task is performed.</td>
</tr>
</tbody>
</table>
Attachment 2: Job Classifications with Reasonably Anticipated Occupational Exposure

**Ambulatory Care Clinics**
- Administrative Associate
- Administrative Coordinator
- Administrative Representative
- Administrative Specialist
- Administrative Support Supervisor
- Clinical Nurse
- Clinical Nursing Supervisor/Manager
- Clinical Support Tech
- Clinical Trials Clinician
- Dental Equipment Technician
- Dietitian
- EKG Technician
- Guest Services
- HBH Technician/HBH Safety Officer
- Licensed Practical Nurse
- Medical Assistant
- Medical Office Assistant
- Medical Laboratory Technologist
- Medical Scribe
- Midwife
- Nurse Clinician
- Nurse Educator
- Nurse Practitioner
- Nursing Assistant I
- Nursing Assistant II
- Ophthalmology Technician
- Orthopedic Cast Technician
- Patient Educator
- Pharmacist
- Phlebotomist
- Physical Therapist
- Physician
- Physician Extender
- Physician’s Assistant
- Program Manager
- Radiologist
- Registered Nurse
- Research Assistant
- Research Nurse
- Resident
- Respiratory Therapist
- Security Guard
- Staff Clinic Nurse
- Surgeon’s Assistant
- Surgery Technician
- Ultrasonographer
- Volunteers
- X-Ray Technician
**Apheresis Unit**
Clinical Nurse
Clinical Nurse per Diem
Clinical Nurse II
Clinical Nurse II per Diem
Clinical Nurse III
Clinical Nurse III per Diem
Clinical Nurse IV
Clinical Nurse IV per Diem
Clinical Support Technician
Clinical Support Technician per Diem
Clinical Support Technician II
Clinical Support Technician II per Diem
Nurse Manager
Nurse Practitioner
Nursing Assistant I
Nursing Assistant I per Diem
Nursing Assistant II
Nursing Assistant II per Diem
Physician Assistant
Physician/Fellow

**Audiology**
Administrative Specialist (Audiology Technician)
Administrative Coordinator
Audiology Manager
Audiology Extern
Audiologist II
Clinical Supervisor
Graduate Student Clinician
Audiology Specialist

**Campus Health Services**
Cast Technician
Director of Nursing
Environment of Care Manager
Housekeeper
Medical Assistant
Medical Director
Medical Laboratory Technician
Medical Laboratory Technologist
Nurse
Nurse Practitioner
Nursing Assistant
Nursing Supervisor
Pharmacist
Pharmacy Technician
Phlebotomist
Physical Therapist/Athletic Trainer
Physical Therapist Technician
Physician
Physician Assistant
Radiology Technician
Store Room Manager

**Cardiac Catheterization**
- Administrative Coordinator
- Cardiovascular Specialist
- Clinical Coordinator
- Clinical Nurse II
- Clinical Nurse II-OR
- Clinical Nurse III
- Clinical Nurse III-OR
- Clinical Nurse IV-OR
- Clinical Nurse IV
- Clinical Nurse per Diem
- Clinical Nurse II per Diem
- CST I
- CST I per Diem
- CST II
- Financial Assistant
- Invasive Cardiology Lab Manager
- MSA II
- Nurse Practitioner

**Cardiac EKG Services**
- Cardiology Technician
- Lab Manager

**Cardiac Ultrasound**
- Clinical Nurse I
- Clinical Nurse II
- Clinical Nurse II-OR
- Clinical Nurse per Diem
- Echocardiographer

**Central Distribution**
- Administrative Specialist
- Supply Chain Director
- Supply Chain Manager
- Supply Chain Stock Clerk
- Supply Chain Supervisor

**Central Sterile Supply**
- Central Processing Department Manager
- Central Processing Department Supervisor
- Central Sterile Technician
- Lead Central Sterile Technician
- Sr. Central Sterile Technician
**Clinical and Translational Research Center**  
Administrative Support Associate  
Clinical Research Technician  
Director of Nursing  
Licensed Practical Nurse  
Medical Lab Technician  
Nursing Assistant  
Professional Nurse

**Critical Care Transport**  
Clinical Nurse I  
Clinical Nurse II  
Clinical Nurse II-PD  
Clinical Nurse III  
Clinical Nurse IV  
EMT  
EMT-PD  
Fleet Supervisor  
Flight Paramedic  
Paramedic  
Paramedic-PD  
Paramedic Ground  
Paramedic Ground-PD  
Paramedic Supervisor  
Patient Service Manager III  
Respiratory Therapist  
Respiratory Therapist II  
Respiratory Therapist II-PD

**Cysto Suites**  
Central Sterile Tech  
Certified Medical Assist  
Clinical Nurse  
Clinical Nurse II  
Clinical Nurse II-OR  
Clinical Nurse III  
Clinical Nurse III-OR  
PSM I  
Surgical Technologist

**Dialysis In-House**  
Clinical Nurse I  
Clinical Nurse II  
Clinical Nurse III  
Clinical Nurse IV  
Health Unit Coordinator  
Hemodialysis Technician  
Patient Services Manager III
**ECMO**
ECMO Coordinator
ECMO Director
ECMO Manager
ECMO Specialist
ECMO Specialist per Diem

**Emergency Department**
Clinical Nurse I
Clinical Nurse per diem
Clinical Nurse II
Clinical Nurse III
Clinical Nurse IV
Clinical Support Technician
Health Unit Coordinator
Health Unit Coordinator per diem
Nursing Assistant I
Nursing Assistant I per diem
Nursing Assistant II
Nursing Assistant II per diem
Patient Service Manager III
Stock Clerk

**Environmental Health and Safety**
Administrative Specialist
Assistant Director, EHS
Director, EHS
Industrial Hygienist
Medical Laser Safety Officer
Onsite Service Project Manager – Clean Harbors
Safety Officer
Senior Safety Officer

**Environmental Services**
Housekeeper
Housekeeping Supervisor I
Stock Clerk

**GI Procedures**
Central Sterile Technician
Clinical Nurse
Endoscopy Technician
PSM III

**Guest Services, Patient Transportation, and Service Response Center**
Administrative Representative
Front Desk Coordinator
Guest Services Supervisor
Hospital Aide
Patient Transportation Supervisor

**Hospital Laboratories**
- Chair
- Clinical Laboratory Assistant
- Clinical Nurse
- Clinical Pathology Assistant
- Cytogenetic Technologist I
- Cytogenetic Technologist SR
- Cytotechnologist I
- Decedent Care Representative
- Diener/Morgue Attendant
- Director
- Hemopheresis Tech
- Histotechnician
- Histotechnician – Trainee
- Histotechnologist
- Histotechnologist Sr
- Lab Managers
- Med Lab Supervisor I
- Medical Directors
- Medical Laboratory Specialist
- Medical Laboratory Technician
- Medical Technologist I
- Medical Technologist Senior
- Medical Transcriptionist
- Pathologists
- Patient Services Manager
- Phlebotomist

**Hospital Police**
- Director, Hospital Police and Transportation
- Hospital Security Officer
- Police Chief
- Police Lieutenant
- Police Manager (Major)
- Police Officer (including appointed Sergeant)

**House Staff – Graduate Medical Education**
- Dental Ecology
- Hospital Residents:
  - University Residents – Advanced Heart Failure Transplant Cardiology
  - University Residents – Allergy and Immun
  - University Residents – Anes/Obstetric
  - University Residents – Anes/Pain Medicine
  - University Residents – Anes/Pediatrics
  - University Residents – Anesthesiology
  - University Residents – Combined Pediatrics and Anesthesiology
  - University Residents – Dermatology
  - University Residents – Dermatology/Micrographic Surgery and Dermatologic Oncology
  - University Residents – Emergency Medicine
University Residents – Emergency/Med/Peds
University Residents – Emergency Medical Services
University Residents – Epilepsy
University Residents – Family Medicine
University Residents – Family Medicine/Sports Medicine
University Residents – Internal Medicine
University Residents – Lab Med (McLendon Labs)
University Residents – Med/Cardio Dis
University Residents – Med/Clinical Cardiac Electrophysiology
University Residents – Med/Endo
University Residents – Med/Gastro
University Residents – Med/Geriatrics
University Residents – Med/InterveCard
University Residents – Med/Hem/Onc
University Residents – Med/Hospice and Palliative Medicine
University Residents – Med/Infec Dis
University Residents – Med/Nephrology
University Residents – Med/Pediatrics
University Residents – Med/Pulmonary
University Residents – Med/Rheumatology
University Residents – Med/Transplant Hepatology
University Residents – Medical Genetics
University Residents – Medicine/Clinical Informatics
University Residents – Neurology and Neurology/Child
University Residents – Neuromuscular
University Residents – OB/GYN
University Residents – OB/GYN (Female Pelvic Medicine and Reconstructive Surgery)
University Residents – OB/GYN/Gynecologic Oncology
University Residents – OB/GYN/Maternal-Fetal Medicine
University Residents – OB/GYN/Reproductive Endocrinology
University Residents – Ophthalmology
University Residents – Orthopaedics
University Residents – Orthopaedics/Sports Medicine
University Residents – Otolaryngology
University Residents – Otolaryngology/Neurotology
University Residents – Pathology
University Residents – Path/Blood Bank
University Residents – Path/Cytopath
University Residents – Path/Forensic
University Residents – Path/Hematopath
University Residents – Path/Mole Gen
University Residents – Pediatrics
University Residents – Peds/Crit Care
University Residents – Peds/Endo
University Residents – Peds/Gastroenterology
University Residents – Peds/Hem/Onc
University Residents – Peds/Hospitalist
University Residents – Peds/Infectious Diseases
University Residents – Peds/Neonatology
University Residents – Peds/Nephrology
University Residents – Peds/Pulmonary
University Residents – Physical Medicine and Rehabilitation
University Residents – Preventive Medicine
University Residents – Psychiatry
Exposure Control Plan for Bloodborne Pathogens

University Residents – Psychiatry/Chld
University Residents – Psychiatry/Frns
University Residents – Psychiatry/Psychosomatic Medicine
University Residents – Radiation Oncology
University Residents – Radiology
University Residents – Rad/Interventional Radiology
University Residents – Rad/Interventional Radiology Integrated
University Residents – Rad/Neuroradiology
University Residents – Rad/Vascular
University Residents – Rad/Nuclear Radiology
University Residents – Sleep Medicine
University Residents – Surgery
University Residents – Surgery/CT
University Residents – Surgery/Complex General Surgical Oncology
University Residents – Surgery/CritCar
University Residents – Surgery/Neuro
University Residents – Surgery/Plastics
University Residents – Surgery/Urology
University Residents – Surgery/Vascular
University Residents – Vascular Neurology
Oral & Maxillofacial Surgery
Pediatric Dentistry
Training Program – Pharmacy
Training Program – Pastoral Care
Training Program – Rec Therapy
Training Program – Speech Rehab
Training Program – Peds Rec Therapy
Training Program – Radiation Oncology
Training Program – Physical Therapy

**Infection Prevention**
Associate Director
Clinical Quality Assurance Specialist
Clinical Senior Management Engineer
Director
HAI Surveillance Analyst
Infection Preventionist
Project Coordinator
Medical Laboratory Technologist II

**Interpreter Services**
Spanish Interpreters

**Linen Services**
Supply Chain Stock Clerks

**Medical Engineering**
Biomedical Equipment Technician
Imaging Service Engineer
**Motility Procedure Unit**
Clinical Nurse
Registered Nurse

**Neurophysiology/Sleep Lab**
Clinical Neurophysiology Laboratory Supervisor
Intraoperative Monitoring Technologist
Nerve Conduction Technologist
Neuro Diagnostic Technologist I
Neuro Diagnostic Technologist PD
Neuro Diagnostic Technologist II
Neuro Diagnostic Technologist II PD
Neuro Diagnostic Trainee
Neuro Diagnostic Trainee PD

**Nursing Department**
Adv Prac Prov Crit Care/ED - NP
Adv Prac Prov Inp/Subspec – NP
Adv Prac Prov Outp/Clinic – NP
Assoc Dir Children’s
Assoc Dir Clinical Surgery
Assoc Dir Emerg Med
Assoc Dir Psych
Asst Dir Envmtl Hlth/Safety
AVP Children UNCMC
Behavioral Health Technician
Behavioral Hlth Technician PD
Cardiology Support Manager
Cardiology Tech
Cardiology Tech PD
Chest Pain Ctr Coord
Clin Nurse Education Spec
Clin Qual Assur Spec
Clin Mgr II
Clinical Coordinator
Clinical Massage Therapist
Clinical Nurse II
Clinical Nurse II PD
Clinical Nurse III-OR
Clinical Nurse II-OR
Clinical Nurse IV
Clinical Nurse IV-OR
Clinical Nurse Specialist
Clinical Nurse-I
Clinical Nurse-II
Clinical Nurse III
Clinical Suppt Tech I
Clinical Suppt Tech I PD
Clinical Suppt Tech II
Clinical Suppt Tech II PD
Emergency Med Tech (EMT)
Exposure Control Plan for Bloodborne Pathogens

Emergency Med Tech– (EMT) PD
Health Education Specialist
Health Unit Coord
Health Unit Coord PD
House Supervisor
House Supervisor PD
Industrial Hygienist
Info System Specialist
Interpreter
Interpreter PD
Interpreter Svcs Spec
Lactation Consultant
Lactation Consultant PD
Licensed Practical Nurse
Nurse Education Coord
Nurse Educator
Nursing Assistant I
Nursing Assistant I PD
Nursing Assistant II
Nursing Assistant II PD
Nursing Communications Coord
Nursing Coordinator
Paramedic
Paramedic Ground
Paramedic PD
Paramedic Supv
Patient Remote Observer PD
Patient Services Mgr II
Patient Services Mgr III
Patient Sitter
Patient Transporter
Rehabilitation Counselor
Remote Observer
Respiratory Therapist
Safety Officer
Safety Officer Sr
Surgical Techno
Surgical Techno PD
Surgical Techno Sr
Temporary Nurse
WOCN Program Coordinator
Wound/Ostomy Nurse (WOCN)
Wound/Ostomy Nurse (WOCN) PD

**Occupational Health Services**
Administrative Associate
Administrative Specialist
Advanced Practice Provider (APP/PA)
Clinical Nurse – Licensed Practical Nurse (LPN)
Clinical Nurse – Licensed Practical Nurse Per Diem
Clinical Nurse - Registered Nurse (RN)
Clinical Nurse – Registered Nurse Per Diem
Emergency Medical Technician
Medical Director
Occupational Health Educator
Patient Services Manager
Physician Extender

**Occupational/Physical Therapy**
Clinical Supv
Occupational Therapist I
Occupational Therapist I PD
Occupational Therapist II
Occupational Therapist Assistant
Occupational Therapy Fellow
Occupational Therapy Manager U
Physical Therapy Assistant
Physical Therapy I
Physical Therapy I PD
Physical Therapy II
Physical Therapy Assistant
Physical Therapy Manager U

**Pastoral Care**
Clinical Pastoral Education Specialists
Clinical Chaplain
Intern Chaplains
Per Diem Chaplains
Resident Chaplains
Supervisory Education Student

**Patient Equipment Service**
Supply Chain Stock Clerks

**Pediatric Endoscopy**
Clinical Nurse II
Clinical Program Director
Endoscopy Tech
RT Clinical Specialist

**Perioperative Services**
Admin Associate
Admin Rep
Admin Rep PD
Anesthesia Support Supervisor
Anesthesia Technician
Anesthesia Technician PD
Central Sterile Tech
Central Sterile Tech PD
Chief Perfusionist
Clinical Applications Specialist
Clinical Nurse - I
Clinical Nurse - II
Clinical Nurse II – OR
Clinical Nurse – II BSN
Clinical Nurse – II PD
Clinical Nurse – III
Clinical Nurse – III OR
Clinical Nurse IV
Clinical Nurse IV OR
Clinical Perfusionist
Clinical Perfusionist PD
Clinical Suppt Tech I
Clinical Suppt Tech II
Dir Clinical Program
Dir Operating Rooms
Dir Perioperative Svcs
Education Coord-Surg Svcs
Endoscopy Technician
Endoscopy Technician PD
Mgr Anesthesia Support
Mgr Central Sterile Tech
Nurse Anesthetist CRNA
Nurse Anesthesit CRNA PD
Nursing Assistant I
Nursing Assistant I PD
Nursing Assistant II
Nursing Assistant II PD
Operating Room Attendant
Operations Project Manager
OR Equipment Liaison Superv
Patient Services Manager II
Patient Services Manager III
Pediatric Chief Profusionist
RN Extern
Sr Central Sterile Tech
Supervisor PeriOp Supply

Peripheral Vascular Lab
Cardiovascular Technologist
Cardiovascular Ultrasound Manager

Pharmacy
Administrative Coordinator
Administrative Associate
Assistant Director of Pharmacy-U
Associate Director of Pharmacy
Business Intelligence Analyst
Business Manager-U
Cashier
Clinical Applications Specialist
Department HR Representative
Director of Pharmacy
Internal Auditor
Manager Pharmacy-U  
Manager Pharmacy-CPP  
Pharmacist  
Pharmacist-CPP  
Pharmacist-CPP-PD  
Pharmacist-PD  
Pharmacy Technician  
Pharmacy Technician-PD  
Pharmacy Technician Supervisor  
Pharmacy Transition Specialist  
Quality/Org Exc Analyst  
Quality/Org Exc Specialist  
REG-Dir Pharmacy-U  
Resident-Pharm CPP  
Resident-Pharm/Ta  
Senior Quality/Org Exc Leader-U  
Store Manager  
Temporary  
Temp Select  

**Plant Engineering**  
Director, Construction  
Director, Plant Engineering  
Electrician  
Electronic Technician I  
Electronic Technician II  
Engineering Manager  
HVAC Mechanic  
HVAC Technician  
Interior Designer  
Maintenance & Operations Manager  
Maintenance Mechanic II  
Maintenance Mechanic III  
Plant Maintenance Supervisor  
Plumber  
Project Coordinator  
Project Manager  
Safety Technician  

**Pulmonary Function**  
Clinical Nurse II  
Pulmonary Function Technologist  
Respiratory Therapist  
Respiratory Therapy Supervisor  

**Radiation Oncology**  
Clinical Engineer  
Clinical Nurse I  
Clinical Nurse II  
Clinical Radiation Physicist  
Hospital Transportation Aide
Radiation Dosimetrist
Radiation Oncologist
Radiation Therapist
Radiation Therapy Supervisor I
Radiation Therapy Supervisor II

**Radiology**
Administrative Associate
Administrative Coordinator
Administrative Specialist
Administrative Support Supervisor
Clinical Nurse I
Clinical Nurse II
Clinical Nurse III
Clinical Nurse IV
Clinical Support Tech II
CT Technologist
Hospital Aide
Mammography Technologist
MRI Technologist
Nuclear Medicine Supervisor
Nuclear Medicine Technologist
Radiology Imaging Specialist (Diagnostic and PET/CT)
Radiology Imaging Supervisor
Radiology Interventional Technologist (VIR/OR)
Radiology Transporter
Ultrasound Supervisor
Ultrasound Technologist

**Recreational Therapy and Child Life**
Activities Therapist PD
Assistant Director of Therapy Services
Child Life Specialist
Children’s Aftercare Program Coordinator
Clinical Supv
Music Therapist
Occupational Therapist
Occupational Therapist I PD
Occupational Therapy Assistant
Occupational Therapy Student
Physical Therapist I PD
Recreational Therapist
Recreational Therapy Assistant
Recreational Therapy Clinical Fellow
Recreational Therapy Intern
Rehab Educators

**Respiratory Care**
Assistant Director, Respiratory Care
Director of Respiratory Care
Patient Equipment Technician
Exposure Control Plan for Bloodborne Pathogens

Pulmonary Function Technologist
Registered Nurse
Respiratory Care Technician
Respiratory Education Coordinator
Respiratory Therapist
Respiratory Therapy Clinical Specialist
Respiratory Therapy Supervisor

**Risk Management**
N/A

**Speech Pathology**
Asst. Director, Rehabilitation Therapies
Clinical Fellow
Clinical Specialist
Clinical Supv
Graduate Student Clinicians, Speech Pathology
Staff Clinician
Speech Pathologist (Per Diem)

**Supply Chain Performance**
HCS Program Manager

**Transplant: Solid Organ Transplant and Ventricular Assist Devices**
Certified Medical Assistant I
Certified Medical Assistant II
Certified Medical Assistant III
Clinical Nurse II
Clinical Support Technician II
Medical Assistant Non-Certified
Nurse Practitioner
Patient Services Manager I
Patient Services Manager III
Temp Nurse - OP
Transplant Coordinator
VAD Nurse Coordinator

**UNC Home Health, UNC Hospice, and UNC Homecare Specialists**
Administrative Coordinator (Volunteer Group)
Chaplin/Bereavement Coordinator
Clinical Dietician
Clinical Nurse
Customer Service Specialist
Customer Service Specialist, Senior
Delivery Technician
Distribution Manager
Dispatch Coordinator
Hospice Patient Care Volunteer
Manager/Home Health Services
Exposure Control Plan for Bloodborne Pathogens

Medical Director
Nurse Practitioner (Hospice)
Nursing Assistant
Occupational Therapist
Patient Services Manager II and III
Pharmacist
Pharmacy Technician
Physical Therapist
Registered Dietician
Rehabilitation Manager
Respiratory Therapist
Social Worker, MSW
Speech Therapist
Supply Equipment Specialist

**UNC Hospice General Inpatient Unit**
Administrative Coordinator (Volunteer Group)
Chaplin/Bereavement Coordinator
Clinical Dietician
Clinical Nurse
Customer Service Specialist
Customer Service Specialist, Senior
Delivery Technician
Distribution Manager
Dispatch Coordinator
Hospice Patient Care Volunteer
Manager/Home Health Services
Medical Director
Nurse Practitioner (Hospice)
Nursing Assistant
Occupational Therapist
Patient Services Manager II and III
Pharmacist
Pharmacy Technician
Physical Therapist
Registered Dietician
Rehabilitation Manager
Respiratory Therapist
Social Worker, MSW
Speech Therapist
Supply Equipment Specialist

**UNC Hospitals Oral Medicine**
Dental Assistant
Dental Clinic Supervisor
Dental Director
Dental Hygienist
Dentist
Medical Director
Oral Medicine Specialist
**UNC School of Dentistry** (if patient clinical activities)
- Adjunct Assistant Professor
- Adjunct Associate Professor
- Adjunct Instructor
- Administrative Assistant
- Administrative Officer
- Administrative Support Associate
- Assistant Professor
- Associate Professor
- Business Officer
- Clinical Assistant Professor
- Clinical Associate Professor
- Clinical Nurse
- Clinical Professor
- Clinical Services Manager
- Dental Assistant
- Dental Assistant Supervisor
- Dental Clinic Supervisor
- Dental Equipment Technician
- Dental Hygienist
- Dental Laboratory Technician
- Dentist
- Financial Counselor
- Interpreter
- Laboratory Assistant
- Laboratory Technician
- Medical Support Technician
- Nurse
- Nurse Education Clinician
- OCIS Support Technician
- OCIS Systems Analyst
- Patient Relations Representative
- Postdoctoral Research Associate
- Processing Assistant
- Professor
- Radiology Technician
- Research Assistant
- Research Assistant Professor
- Research Associate Professor
- Research Professor
- Research Scholar
- Research Technician
- Sterilization Processor
- Student Assistant – Linen Distribution
- Support Services Technician
- Support Services Associate
- Surgical Technician

**UNC Wellness Center / UNC Hospitals Cardiac Rehab**
- Cardiac Rehab Clinical Exercise Physiologist
- Cardiac Rehab Care Coordinator
- Cardiac Rehab Nurse
- Cardiac Rehab Program Director
Cardiac Rehab Clinical Dietitian
Clinical Dietician
Clinical Exercise Physiologist
Health Education Manager
Health Educator
Performance Center Coordinator
Personal Trainer
Wellness Services Manager
Wellness Center Attendant

University Environment Health and Safety
Advanced Practice Provider
Director, EHS
EHS Professional
EHS Technician
EHS Program Manager
EHS Program Consultant
Medical Director
Nurse Clinician

Urophysiology Laboratory
Certified Medical Assistant
Clinical Nurse II
Clinical Nurse II-OR
Clinical Nurse III
Clinical Nurse III-OR
PSM I

Volunteer Services
Art Heals Volunteer
Atrium Playroom Volunteer
Behavioral Health Companion & Navigator
Burn Center Volunteer
Carolina Conexiones
Compassionate Companions
COVID Vaccination Clinic
CPALS
Cuddler Program Volunteer
Doulas
Emergency Department Volunteer
Hospital School Tutor
No One Dies Alone
Nursing Units
Oncology Infusion Center Volunteer
Oral Medicine Clinic
Outpatient Clinics
Pediatric Oncology Clinic Volunteer
PT/OT
Wonder Connection
Attachment 3: Hepatitis B Declination Form and Informed Refusal for Hepatitis B Vaccination for UNC Health Care Employees

OCCUPATIONAL HEALTH SERVICE
UNC HEALTH CARE

HEPATITIS B DECLINATION FORM

I understand that due to my occupational exposure to blood or other potentially infectious materials I may be at risk of acquiring Hepatitis B virus (HBV) infection. I have been given the opportunity to be vaccinated with Hepatitis B Vaccine, at no charge to myself. I would like to accept vaccination through the Occupational Health Service at this time.

_____ I would like to be vaccinated.

I. INFORMED REFUSAL FOR HEPATITIS B VACCINATION

I decline Hepatitis B Vaccination at this time. I understand that by declining this vaccine, I continue to be at risk of acquiring Hepatitis B, a serious disease. If in the future I continue to have occupational exposure to blood or other potentially infectious materials and I want to be vaccinated with Hepatitis B Vaccine, I can receive the vaccination series at no charge to me.

_____ I have chosen to decline the Hepatitis B Vaccine at this time. I have read this form or it has been explained to me.

_____ I have received the complete series of Hepatitis B Vaccine (3 doses: 0, 1 & 6 months).

   OR

_____ I have received Heplisav-B Vaccine (2 doses, at one month interval).
   ☐ I do have documentation.
   ☐ I do not have documentation.

________________________________________ Date______________
Employee Signature

___________________________________________________________________

For OHS Use only:

________________________________________ Date______________
Signature of MD/FNP/Occupational Health Nurse

Updated/REV: 06_2020 dw
Health and safety committees have been established at UNC-CH to review injury and illness records, review engineering and work practice controls including safer medical devices that help prevent needlestick injuries, and make advisory recommendations to the administration in order to achieve a safer workplace. Five committees have been established according to the type of hazard or work environment: Occupational Health and Clinical Safety Committee, Hazards Management Safety Committee, Laboratory and Chemical Safety Committee, Radiation Safety Committee, and Institutional Biosafety Committee. Bloodborne pathogen exposures that occur are reviewed by the respective work environment safety committee for employees in that work environment.

**Committee Organization**

Each committee is composed of twelve University employees, at least six of whom are non-supervisory employees. The Executive Director of the Department of Environment, Health and Safety, or designee, serves as an ex-officio member with voting rights on each committee.

**Appointments**

The Chancellor appoints members of the work environment committees. Terms of the initial appointees are staggered to provide for one-third of the committee members being replaced each year. Terms are for three years and members will normally not serve consecutive terms although members initially appointed to less than a three-year term may be reappointed to a full term.

**Committee Responsibilities**

Basic committee responsibilities include:

- Review sharps injury log, other bloodborne exposure incidents, and other incidents involving work-related fatalities, injuries, and illnesses.
- Review employee complaints regarding hazards in the workplace.
- Review engineering controls and commercially available and effective medical devices designed to eliminate or minimize occupational exposures.
- Document identification, evaluation, and selection of engineering and work practice controls.
- Make recommendations to appropriate infection control committees for the selection and implementation of safer medical devices.
- Make recommendations for safety improvements and policies to the administration and the University Safety and Security Committee.
University Safety and Security Committee
The University Safety and Security Committee is composed of: Vice Chancellor Integrity and Risk Management, Senior University Counsel, Associate VC for Campus Safety and Risk Management, Associate VC for Human Resources, Associate VC for Facilities Services, VC for Student Affairs, VC for Research, Chair of the IACUC Committee, Director of UNC Police, Director of Department of Environment, Health, and Safety, Chair of the Hazard Management Committee, Chair of Laboratory/Chemical Committee, Chair of Occupational Health/Clinical Committee, Chair of Radiation Safety Committee, and Chair of Institutional Biosafety Committee.

Distribution of Committee Minutes
Minutes for the committee meetings are posted on the Environment, Health and Safety website.

Internal Procedures for Sharps Safety Devices in Use and Under Evaluation for UNC Adams School of Dentistry
The UNC Adams School of Dentistry utilizes the Infection Control Committee, which meets once a month to make recommendations regarding sharps safety devices. The Infection Control Committee is comprised of Dental Faculty, Dental Hygiene Faculty, Dental Students and Adams School of Dentistry Staff all of who have direct patient contact and are at the highest risk of incidents or exposure. The committee makes recommendations and evaluations on procedures and protocols and the safety devices that are used for proper prevention. These recommendations are based upon evaluation of new safety devices and incident that have occurred. The Risk Manager also presents reports to the committee. The minutes from these meetings are posted on-line for faculty, staff and students.

Internal Procedures for Sharps Safety Devices in Use and Under Evaluation for UNC Campus Health Services
Campus Health Services utilizes the Infection Control Committee and the Nursing Department to evaluate sharps safety devices and organizational procedures to help ensure the safety of both patients and employees. The people who make up these committees are mainly composed of front-line individuals who have direct contact with patients and have the highest risk of exposure. A standardized product evaluation form is used by personnel to provide feedback on the efficacy and safety of devices.

The Infection Control Committee works closely with the Environment of Care Committee. These committee members represent every department in Campus Health and they help evaluate current policies and procedures. The committees make recommendations for improvement to optimize the safety of the organization, its staff and patients. The committee members assess any incident that may have occurred, the reason why it occurred, and how the risk of future incidents could be eliminated or minimized. Compliance is tracked through random yearly inspections to assure that the proper procedures and protocols are being followed. Results from these actions are documented in the committee minutes which are posted for staff members on the Campus Health Services Intranet. A copy of the minutes is placed in the CHS organizational notebook.
Sharps Safety Devices in Use and Under Evaluation for UNC

**UNC School of Dentistry**

<table>
<thead>
<tr>
<th>Device</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV Catheter-22, 20 Gauge</td>
<td>Braun-Introcan</td>
</tr>
<tr>
<td>IV Catheter-22, 20, 18</td>
<td>MedX-Protective</td>
</tr>
<tr>
<td>Lancet-21 Gauge, 3.0 mm</td>
<td>MediChoice</td>
</tr>
<tr>
<td>Lancet-Unilet 6.P.</td>
<td>Owen Munsford</td>
</tr>
<tr>
<td>Needleless IV System</td>
<td>Abbott</td>
</tr>
<tr>
<td>Safety Syringes</td>
<td>Abbott-Vanishpoint</td>
</tr>
<tr>
<td>Scalpel-Protected Disposable</td>
<td>Bard-Parker</td>
</tr>
<tr>
<td>Sharps Containers</td>
<td>Kendall</td>
</tr>
<tr>
<td>Sheath Prop/Needle-Puncture Guard for one-handed recapping</td>
<td>Tik-Shield, Inc.</td>
</tr>
<tr>
<td>Vacutainer Safety-Lok</td>
<td>BD</td>
</tr>
<tr>
<td>Winged Infusion Set</td>
<td>Terumo Surflo</td>
</tr>
<tr>
<td>Winged Steel Needle Set (Butterfly)</td>
<td>BD</td>
</tr>
</tbody>
</table>

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**UNC Campus Health**

Devices Currently in Use

<table>
<thead>
<tr>
<th>Device</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Needles - SafetyGlide &amp; Eclipse</td>
<td>BD</td>
</tr>
<tr>
<td>Syringe w/Safety Needle - Eclipse</td>
<td>BD</td>
</tr>
<tr>
<td>Lancet - 21 Gauge, 3.0 mm</td>
<td>Henry Schein</td>
</tr>
<tr>
<td>IV Catheter - 14-24 Gauge - Introcan Safety</td>
<td>Braun</td>
</tr>
<tr>
<td>IV Catheter - 14-24 Gauge - Insyste Autoguard</td>
<td>BD</td>
</tr>
<tr>
<td>Scalpels</td>
<td>#10, 11, 15</td>
</tr>
<tr>
<td>Sharps Containers</td>
<td>Kendall</td>
</tr>
<tr>
<td>Butterflies Safety-Lok blood collection set</td>
<td>BD Vacutainer</td>
</tr>
<tr>
<td>21 Gauge 23 Gauge, and 25 Gauge</td>
<td>BD</td>
</tr>
</tbody>
</table>

No Devices Currently Under Evaluation or Candidates for Adoption

PC-25; INF-N-02 Bloodborne Pathogen Exposure - Mode of Operation

Responsible for Review:
Infection Control Committee

Initial Date Effective: May 2001 Date Last Reviewed: December 2022

POLICY

UNC Campus Health evaluates bloodborne pathogen exposures as outlined in Policy INF-N-03 for all health affairs students (including visiting medical students or other health science students who have an exposure during their official clinical rotation through one of the UNC health science schools). It is necessary to provide this service on a 24-hour basis since these students need to be evaluated and possibly treated immediately. The following outlines the evaluation protocol at different hours of service.

PROTOCOL

1. During normal business hours (Monday – Friday, 8AM-5PM), the student should call 966-6573 to have an initial, brief telephone discussion with the Campus Health registered nurse or provider on duty. The student will provide the source patient’s name, date of birth and UNCH medical record number. If the Campus Health nurse or provider recommends that the student be seen, these evaluations are usually done through appointments. However, they can be expedited in emergent or urgent situations.

2. If the exposure occurs during the time Campus Health is closed, the student should call 966-6573 or the main Campus Health phone number, 966-2281, and he/she will be connected to the UNC Nurse Connect nurse who will contact the Campus Health physician on-call.
   a. If the student is doing an away rotation or is in a situation where they cannot be evaluated in the proper time frame at Campus Health, and needs immediate evaluation and possible treatment, the physician on-call will instruct the student to go to the nearest emergency room, urgent care facility or the closest medical facility that has a provider comfortable assessing bloodborne pathogen exposures. Since students are not employees, their private health insurance will be used if they are seen in the emergency room or other medical clinics.
   b. As soon as feasible and once the UNCH source patient’s lab results are known, the Campus Health physician on-call will notify the student of the source’s lab results.
   c. If the source is HIV positive and the student is not on prophylaxis, the on-call Campus Health physician will recommend and prescribe post-exposure prophylaxis (PEP). If the student starts PEP, the student will be asked to see a provider as soon as feasible for baseline labs. The Campus Health provider may consult experts if appropriate. If the source patient is a known HIV patient of UNCH, the Campus Health provider may contact the UNC ID physician for assistance regarding the PEP regimen.
   d. If the student is on rotation outside of Chapel Hill, and the source patient is HIV positive, the student should be seen as a patient by a provider in that community as soon as possible. In some cases, this may mean the student is seen by the medical facility’s occupational health provider.
   e. If the student is initially seen at UNC’s Emergency Room (e.g. laceration repair when Campus Health is closed) and seen by the Infectious Disease Fellow, the student will be referred back to Campus Health for follow-up.

Note: visiting students (rotating through an official rotation through one of UNC’s health science schools) can be evaluated initially by the registered nurse and/or by Campus Health providers. However,
their private health insurance (which is a requirement for them to have before they are able to do a rotation at UNC) will be billed for labs that are ordered on their behalf.

3. Campus Health website:  https://campushealth.unc.edu/urgent-needs/health-science-students-blood-borne-pathogen-exposure

Reviewed by: Infection Control Committee Date: December 2022

Approved by: Director of Medical Services Date: December 2022

Reviewed: 7/02, 11/03, 9/05, 04/17, 4/18, 3/19, 6/20, 3/21

Reviewed by: Medical Staff Date: September 2020

Approved by: Medical Director Date: September 2020

Reviewed: January 2004, October 2002, September 2010, October 2013, September 2016 (added resources, screening question), June 2017 (screening question), September 2020