

Potential Exposure Incident Reporting Summary July to September 2024

**CAMPUS	Date of Incident	Incident Type/Agent Involved	BSL	Description	Reportable Incident	Agency Reported To	Comments/Corrective Actions
BU Medical Campus (BUMC)							
BUMC	7/12/24	Superficial puncture to left 3rd finger, no biologics	BSL-2	Superficial puncture to left 3rd finger with metal piece of mesh, no biologics	No	N/A	Root cause: PPE use not enforced Steps to prevent recurrence: Student will wear appropriate PPE, in this case puncture resistant gloves, when loading tray into transport box
BUMC	7/12/24	Splash of small amount of xylazine hydrochloride onto face and right eye	BSL-2	Splash of small amount of xylazine hydrochloride onto face and right eye	No	N/A	Root cause: Procedure Not Followed, PPE use not enforced Steps to prevent recurrence: Use fume hood, wear eye protection and use glass vial
BUMC	8/13/24	Right thumb transgenic mouse bite	BSL-2	Right thumb transgenic mouse bite while restraining	No	N/A	Root cause: agitated mouse Steps to prevent recurrence: calming measures before transfer
BUMC	8/26/24	Left thumb laceration	BSL-2	Left thumb laceration on microtome blade - no biological hazard	No	N/A	Root cause: Procedure Not Followed. Steps to prevent recurrence: Set tissue block at proper distance from blade
BUMC	9/16/24	Report of splash drop of vesphene and cell waste to face	BSL-2/2+	Report of splash drop of vesphene and cell waste to face	No	N/A	Root cause: PPE use not enforced Steps to prevent recurrence: Post Doc will wear required eye protection when handling chemical and biological waste
BUMC	9/26/24	Mouse bite to left index finger	ABSL-1	Mouse bite to left index finger, no biologics and non-transgenic	No	N/A	Root cause: agitated mouse Steps to prevent recurrence: calming measures before transfer
Charles River Campus (CRC)							
CRC	7/10/24	Hot water spilled on right foot	BSL-1	Hot water spilled on right foot	No	N/A	Root cause: Equipment malfunction Steps to prevent recurrence: Replace damaged autoclave tray immediately
CRC	7/10/24	Near miss- concern for diphtheria toxin exposure	BSL-1	Near miss- concern for diphtheria toxin exposure	No	N/A	Root cause: Hazardous physical environment Steps to prevent recurrence: Clean out freezer annually to prevent unknown samples
CRC	7/17/24	Left index finger laceration - glass flask	BSL-1	Left index finger laceration - glass flask	No	N/A	Root Cause: Human Error Steps to prevent recurrence: Do not catch sharp falling glassware
CRC	8/12/24	Right thumb cut on cryostat blade	BSL-1	Right thumb cut on cryostat blade	No	N/A	Root cause: lack of experience Steps to prevent recurrence: Use mechanical guards to prevent interaction with blade
CRC	8/15/24	Transgenic mouse bite to left index finger	BSL-1	Transgenic mouse bite to left index finger - no biologics	No	N/A	Root cause: procedure not followed Steps to prevent recurrence: follow SOP in mouse transfers
CRC	9/9/24	Unknown sharp injury to right ring finger	ABSL-2	Unknown sharp injury to right ring finger with CCL use	Yes	BPHC	Root cause: Hazardous physical environment Steps to prevent recurrence: Use outer biohazard box to limit exposure to bags from CCL rooms
CRC	9/11/24	Rash on left hand	N/A	Rash on left hand	No	N/A	Root cause: Employee Behavior Steps to prevent recurrence: Wear cloth liner inserts with gloves

CRC	9/16/24	Splash of Hexane to left index finger	N/A	Splash of Hexane to left index finger	No	N/A	Root cause: PPE use not enforced Steps to prevent recurrence: Wear required gloves and practice good hand hygiene
CRC	9/16/24	Report of rash after lab	N/A	Report of rash after lab	No	N/A	Root cause: Lack of experience Steps to prevent recurrence: Wait to apply dye to avoid chemical smoke
CRC	9/18/24	Nasal exposure to methanol vapor	N/A	Nasal exposure to methanol vapor	No	N/A	Root cause: Procedure not followed: Steps to prevent recurrence: Use of lower air flow and lower fume sash
CRC	9/27/24	Left index finger red and swollen after the hose the student was pouring liquid nitrogen became cold quickly	N/A	Left index finger red and swollen after the hose the student was pouring liquid nitrogen became cold quickly	No	N/A	Root cause: Lack of experience Steps to prevent recurrence: Grip LN2 hose lightly when dispensing
National Emerging Infectious Disease Laboratory (NEIDL)							
NEIDL	8/6/24	Near miss - glove tears from NHP	BSL-2	Near miss - glove tears from NHP	No	N/A	Root cause: Lack of experience, employee still in training. Steps to prevent recurrence: On the spot training was performed
NEIDL	8/23/24	Cut right 3rd and 4th digits on clean NHP cage	N/A	Cut right 3rd and 4th digits on clean NHP cage	No	N/A	Root cause: lack of experience. Steps to prevent recurrence: On the spot training was performed, ARS training procedures were augmented to emphasize cage handling correction.
NEIDL	9/23/24	Suit tear on right dorsal lower arm just above cuff, non-exposure	BSL-4	Suit tear on right dorsal lower arm just above cuff, non-exposure	Yes	BPHC	New suit provided to user
NEIDL	9/30/24	Suit glove tear in BSL4- two inner gloves intact	BSL-4	Suit glove tear in BSL4- two inner gloves intact - non-exposure	Yes	BPHC	Retrain on existing policy
Other - Collaborating Laboratory		No incidents					

* Indicates if incident is reportable to local, state or federal agency (e.g. Centers for Disease Control, National Institutes of Health, Boston Public Health

Commission, etc.)

** Campus Location

BUMC - Boston University Medical Center

CRC - Charles River Campus

NEIDL - National Emerging Infectious Disease Laboratories

Other - work done at collaborating laboratories