

Potential Exposure Incident Reporting Summary April to June 2023

**CAMPUS	Date of Incident	Incident Type/Agent Involved	BSL	Description	Reportable Incident	Report of Clinical Illness	Agency Reported To	Comments/Corrective Actions
BU Medical Campus (BUMC)								
BUMC	4/18/23	Non-transgenic mouse bite to left index finger dorsal surface just below the PIP joint	ABSL-1	Non-transgenic mouse bite to left index finger dorsal surface just below the PIP joint while in training	No	No	N/A	Root cause: Training; insufficient skills or expertise. Additional hands-on training assigned.
BUMC	4/18/23	Puncture to right 4th digit with a piece of broken glass pipette	BSL-2	Puncture to right 4th digit with a piece of broken glass pipette while wiping hood - no agents	No	No	N/A	Root cause: Improper disposal. Lab was retrained by PI.
BUMC	5/1/23	Non-transgenic rat bite to left middle finger	ABSL-1	Non-transgenic rat bite to left middle finger	No	No	N/A	Root cause: Higher priority conflict. When mentoring newer staff-attention to research will be emphasized.
BUMC	5/26/23	Cut to right 2nd digit - potential Herpes B exposure	ABSL-2	Cut to right 2nd digit with knife used to cut fruit for non-human primates	Yes	No	BPHC	Root cause: Other. EHS Safety recommends staff amend procedure
BUMC	5/27/23	Right hand scratch by NHP - potential Herpes B exposure	ABSL-2	Right hand scratch by NHP	Yes	No	BPHC	Root cause: Other.-EHS, ASC, Pls will-review industry safeguards and adjust as necessary.
BUMC	5/30/23	A few drops of cell media splashed on chin	BSL-2	A few drops of cell media splashed on chin	Yes	No	BPHC	Root cause: Inadequate procedure and individual not trained. EHS, lab member and PI will review-techniques for disconnecting vacuum flasks.
BUMC	6/14/23	Splash of water to eyes from NHP cage water bottle - potential Herpes B exposure	ABSL-2	Splash of water to eyes from NHP cage water bottle	Yes	No	BPHC	Root cause: Equipment related (broken/defective).-This broken water line has since been repaired and is back in operation.
BUMC	6/20/23	Chemical vapor exposure to Xylene	BSL-2	Chemical vapor exposure to Xylene	No	No	N/A	Root cause: Housekeeping issue and improper disposal. Chemicals will be properly labeled and stored.
BUMC	6/22/23	Report of dizziness after inhaling unlabeled test tube	BSL-2	Report of dizziness after inhaling unlabeled test tube	No	No	N/A	Root cause: Individual not trained. Researcher to re-review chemical safety training and chemical hygiene plan.
BUMC	6/27/23	Transgenic ABSL-1 mouse bite to left index finger	ABSL-1	Transgenic ABSL-1 mouse bite to left index finger	Yes	No	BPHC	Root cause: Training; insufficient skills or expertise. Researcher will continue using non-hazardous agents with guidance and supervision from PI.
Charles River Campus (CRC)								
4/3/23	CRC	Small, non-blistering burn to left index finger	N/A	Using hand to check the temperature of a crucible and accidentally touched it, receiving a very minor burn to finger.	No	No	N/A	Root cause: Inadequate procedure.-EHS reminded student of safe hot glassware testing procedures.
4/7/2023	CRC	Student states that accidentally broke a melting point glass tube and blooded finger	N/A	Student states that accidentally broke a melting point glass tube and blooded finger	No	No	N/A	Root cause: Insufficient skills or expertise. EHS recommended course coordinator retrain teaching fellows on safe techniques.
4/11/23	CRC	Right finger/ hand cut- clean beaker	N/A	Student was washing a beaker when it slipped out of their hand and they tried to catch it. R finger/ hand cut- clean beaker	No	No	N/A	Root cause: Not conscientious. EHS recommended lab workers not try to catch falling glassware.
4/11/23	CRC	Needlestick to left 3rd digit that had cyclohexanone on it	N/A	Student went to recap and noticed there was a little cyclohexanone on the needle and he punctured his left 3rd digit with the needle.	No	No	N/A	Root cause: Improper disposal. Student was asked to complete Sharps Safety Training in BioRAFT.
4/18/23	CRC	Punctured left index finger with needle	BSL-2	Punctured left index finger with needle that had been used to draw up Methyl Iodide	No	No	N/A	Root cause: Lack of awareness/understanding of procedure. EHS proposed student use a smaller gauge needle.-Student to complete Sharps Safety Training in BioRAFT.
5/1/23	CRC	Rat bite to left index finger	ABSL-1	Non-transgenic rat bite to left index finger w/anaphylactic symptoms	Yes	Yes	OSHA	Root cause: Inadequate procedure. Training provided and individual is no longer employed at BU.
5/12/23	CRC	Cut left 2nd digit	ABSL-2	PhD student cut left 2nd digit with a NMR tube	No	No	N/A	Root cause: None identified. EHS proposed lab inspect the tubes prior to each use.
5/23/23	CRC	Question of possible inhalation of silica gel dust	BSL-1	Question of possible inhalation of silica gel shaking a glass container	No	No	N/A	Root cause: Engineering controls not used as intended. Student was retrained on proper technique for removing silica from columns.

6/7/23	CRC	Needlestick/scratch to right forearm	BSL-2	Needlestick/scratch to right forearm	No	No	N/A	Root cause: Training; lack of awareness and understanding of procedure. EHS recommended lab generate additional training and complete Sharps Safety Training on BioRAFT as a refresher.
National Emerging Infectious Disease Laboratory (NEIDL)								
NEIDL	5/10/23	Cut to left 3rd digit	BSL-4	Senior Specialist High Containment cut left 3rd digit with sharp corner of metal plate	Yes	No	BPHC	Root Cause: Sharp plate. Plate replaced with one with <u>no sharp edges</u>
NEIDL	6/16/23	Right suit glove tear-inner gloves intact	BSL-4	Right suit glove tear NEIDL BSL 4 during NHP necropsy - inner glove intact	No	No	N/A	Root Cause: Glove overextended during procedure. Procedure modified
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