

Berkeley Lab Incident Statistics Fiscal Year 2018 (10/1/17 to 3/31/18)



These slides are updated on a monthly basis as soon as data are reasonably final for the preceding month.

Please share this information with your Areas/Divisions.

Refer questions to: mmalexandre@lbl.gov

Cases	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	Total YTD
BioSciences													
Biological Systems & Eng						1							1
Biosciences													0
BioSciences Area Office				1									1
Environ Genomics & Systems Bio					1								1
Joint Genome Institute													0
Molecular Biophys & Integ Bio													0
Computing Sciences													
Computational Research													0
Computing													0
NERSC													0
Scientific Networking						1							1
Earth & Environmental Sciences													
Climate & Ecosystems		1											1
Earth & Environmental Sciences													0
Energy Geosciences													0
Energy Sciences													
Advanced Light Source	1												1
Chemical Sciences													0
Energy Sciences													0
Materials Sciences													0
Molecular Foundry													0
Energy Technologies													
Bldg Technology Urban Systems	1												1
Cyclotron Road													0
Energy Analysis Env Impacts													0
Energy Storage & Distributed R													0
ETA Area Office				1									1
Lab Directorate													
Laboratory Directorate													0
Operations													
Environ, Health, & Safety			1										1
Facilities		1		1	3	4							9
Human Resources													0
Information Technology													0
Office of Chief Financial Off													0
Operations													0
Protective Services													0
Public Affairs													0
Physical Sciences													
Accelerator Tech-Applied Phys													0
Engineering													0
Nuclear Science													0
Physical Sciences													0
Physics													0

Total Recordable Cases (TRC) Oct 1, 2017- Mar 31,2018

FY18 YTD=18 Recordable Cases

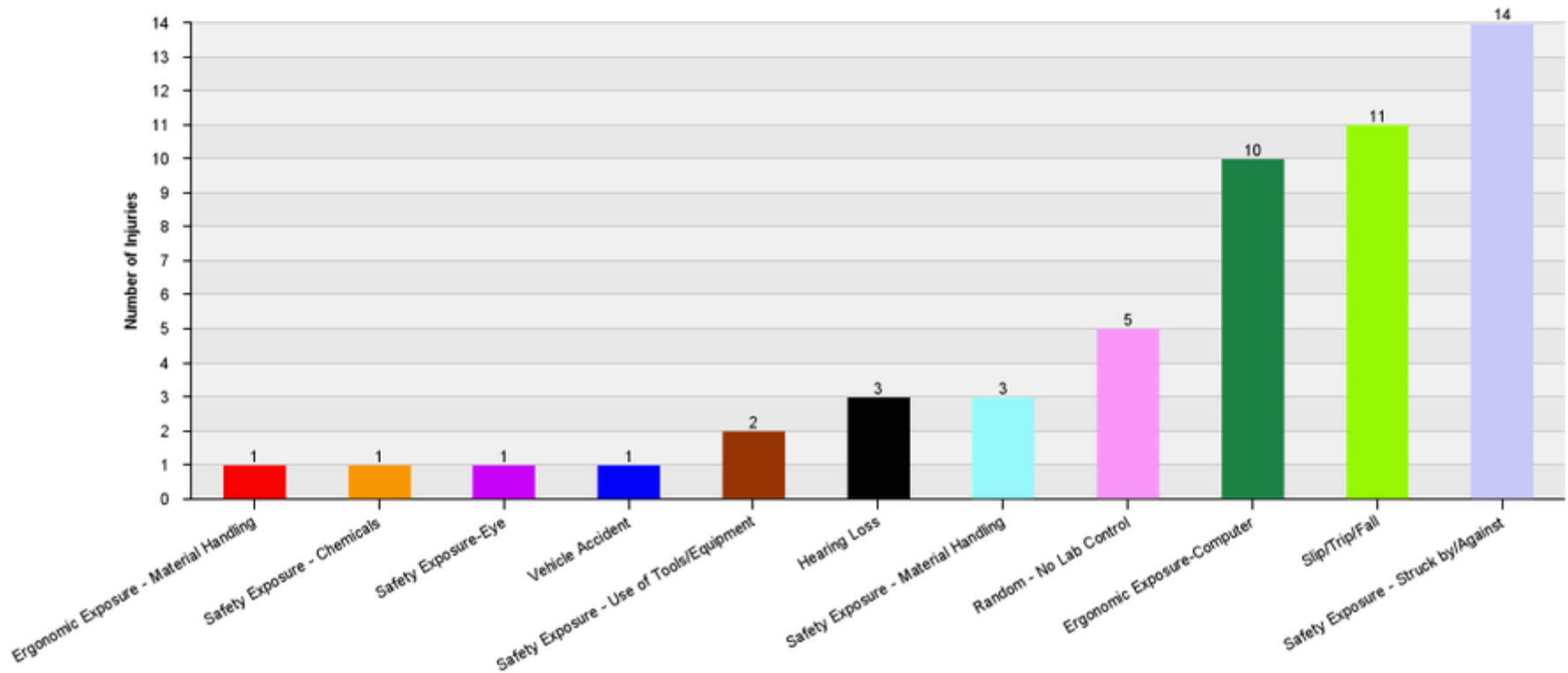
Cases	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	Total YTD
Bio Sciences													
Biological Systems & Eng													0
Biosciences													0
BioSciences Area Office													0
Environ Genomics & Systems Bio					1								1
Joint Genome Institute													0
Molecular Biophys & Integ Bio													0
Computing Sciences													
Computational Research													0
Computing													0
NERSC													0
Scientific Networking													0
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Earth & Environmental Sciences													0
Energy Geosciences													0
Energy Sciences													
Advanced Light Source													0
Chemical Sciences													0
Energy Sciences													0
Materials Sciences													0
Molecular Foundry													0
Energy Technologies													
Bldg Technology Urban Systems	1												1
Cyclotron Road													0
Energy Analysis Env Impacts													0
Energy Storage & Distributed R													0
ETA Area Office													0
Lab Directorate													
Laboratory Directorate													0
Operations													
Environ, Health, & Safety													0
Facilities					3	3							6
Human Resources													0
Information Technology													0
Office of Chief Financial Off													0
Operations													0
Protective Services													0
Public Affairs													0
Physical Sciences													
Accelerator Tech-Applied Phys													0
Engineering													0
Nuclear Science													0
Physical Sciences													0
Physics													0

Days Away, Restricted, and Transferred Cases (DART) Oct 1, 2017- Mar 31, 2018

FY18 YTD= 8 DART Cases

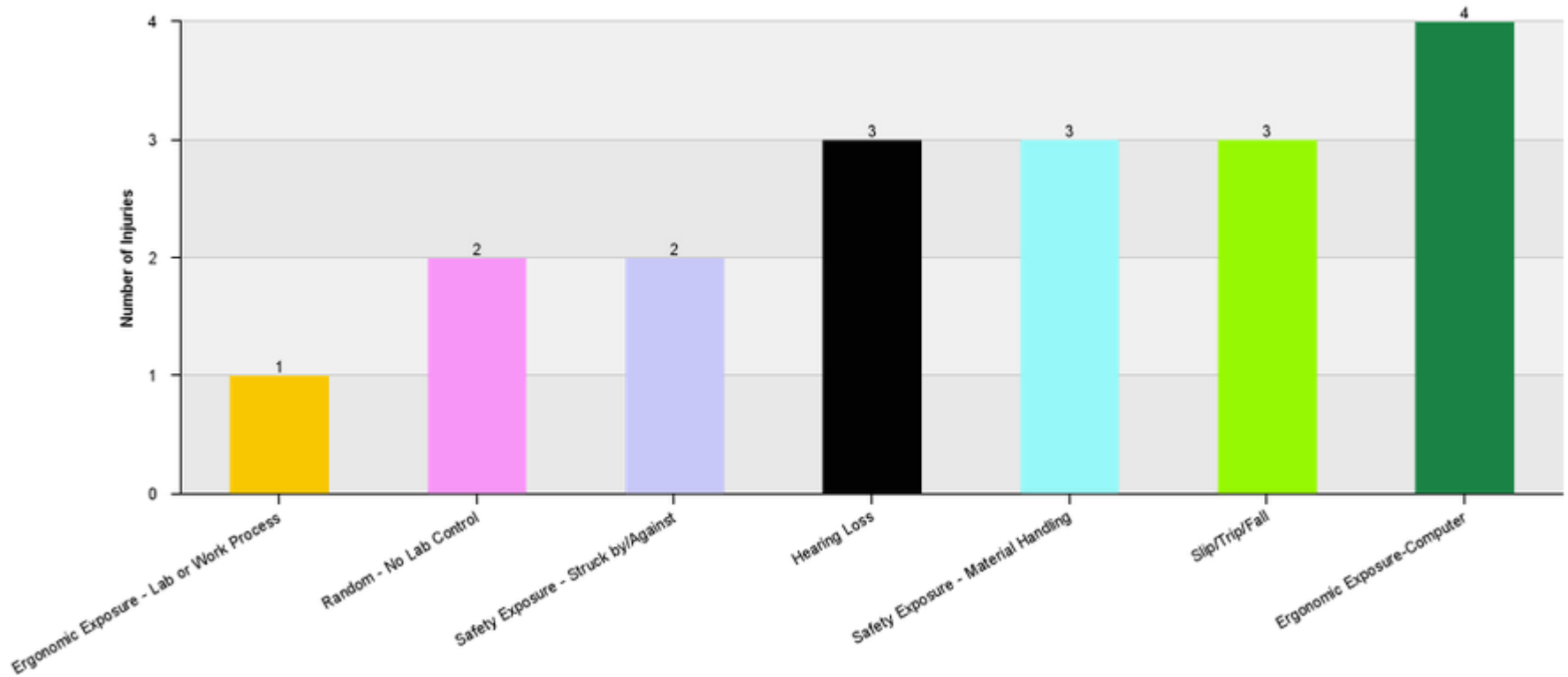
Injuries by Categories –FY18 through 3/31/18

All First Aid & Recordable Injuries N=52 [Based on Incident Date]



Injuries by Categories –FY18 through 3/31/18

Recordable Injuries N=18 [Based on Date Became Recordable]



Injury Incidents–March 2018

11 First Aid & 6 Recordable Injuries

Ergo Exposure-Computer

(FA) An employee experienced discomfort while on travel when using laptop during meetings. Ergo travel accessories were provided to prevent reoccurrence.

Safety Exposure- Slip/Trip/Fall

(Rec) An employee was riding bicycle downhill to leave work for the day. Employee reports that while riding down Chu Road employee heard a noise coming from something on the bike; employee thought it was an issue with the bicycle's back disc brake. Employee applied front brakes which may have been applied too quickly/forcefully; causing employee to be thrown over handlebars and fall to ground on the left side. Employee struck the ground with right hand and chin. Employee was wearing helmet. No roadway issues, no distractions, no vehicles nearby were found. Employee was an experienced rider and no mechanical defects were noted. This is a DOE ORPS incident.

(FA) An employee was riding a bicycle down Chu Road at Blackberry Gate. The main gate was closed due to unrelated accident at bottom of Cyclotron Road. The employee did not notice the gate was closed until it was too late to stop. Bike impacted gate causing injury to the employee. Employee was wearing helmet.

(FA) A guest was riding a bicycle down Chu Road. The guest tried to slow down on downhill portion of Chu Road. Was unable to effectively slow down, so used right foot to stop bike. Rear of bike flipped up ejecting rider over handle bar. Bicycle brakes were found to be defective. The Guest sustained multiple injuries including a fracture. This is a DOE ORPS incident.

Injury Incidents–March 2018

11 First Aid & 6 Recordable Injuries

Safety Exposure-Struck by/Against

- (Rec) An employee was changing a water filter. As the employee pulled down on the filter, resistance was felt so the employee pulled forcefully. The unexpected release of the filter, coupled with the weight of the filter caused the filter to fall and strike the employee's left little finger. The filter was not a standard style filter used throughout the lab. Currently exploring extent of condition and determining safe work practices for working with this filter.
- (FA) While on travel in Tokyo an employee was struck by a Metro door that closed suddenly and unexpectedly; causing employee to be thrown towards other passengers.
- (FA) An employee sustained an abrasion on a forearm while taking apart a metal rack.
- (FA) An employee smashed a finger in a car door when arriving at work.
- (FA) An employee was adjusting an air nozzle on a spindle turning machine when the spindle hit the left thumb; causing a laceration.

Safety Exposure-Use of Tools/Equipment

- (FA) A guest was using a sharp spatula to remove printed item from 3D printer stage. Item was hard to remove. When the printed item was finally lifted off the stage, the spatula slipped in the direction of the workers hand, causing a cut injury. Recommendations included changes to work activity controls including: provide cut resistant gloves and use the stage holder device that is already available to safely remove items from printer.

Injury Incidents–March 2018

11 First Aid & 6 Recordable Injuries

Safety Exposure-Eye

(FA) While a guest was working in a hood with a power tool to cut carbon fiber sheet a fine dust was created. Fiber dust went into guests eyes. The hood capture may not have been effective due to use of the tool near the sash opening as well as some maintenance issues involving the hood side panels. The safety glasses are not sealed, so the particles were able to reach the eyes. Recommendations included making repairs to the hood, use of goggles and utilize a different tool to perform this work.

Safety Exposure-Material Handling

(Rec) A student was putting an empty 500 ml graduated cylinder into the bin at the bottom level of a lab cart for washing and felt a twinge of discomfort in right mid-back, which worsened over time. Awkward or irregular reaching to place a graduated cylinder in a wash bin resulted in back strain. Changes in how the cart and bins are used, along with awareness of safe reaching techniques can be implemented to prevent similar scenarios for this type of work.

(Rec) An employee was moving an 80 pound object without assistance and resulted in an abdominal strain that required surgery. Recommendations include safe work planning for handling heavy objects; including objects weighing over 50 pounds.

Injury Incidents–March 2018

11 First Aid & 6 Recordable Injuries

Random-No Lab Control

(Rec) Two privacy cases resulted in lost work time.

(FA) An employee reported knee swelling and soreness after doing routine kneeling work.

(FA) An employee noticed a finger was purple, painful and stiff. Incident investigation was unable to determine any potential sources or causes of the injury.

Definitions/Terminology

First Aid Cases Involve one-time, short-term treatment and requires little technology or training to administer. First aid can include cleaning minor cuts, scrapes, or scratches; treating a minor burn; applying bandages and dressings; the use of non-prescription medicine; draining blisters; removing debris from the eyes; massage; and drinking fluids to relieve heat stress.

Recordable Cases Involve medical treatment **beyond** first aid such as: providing therapy; prescription medications (or use of a non-prescription drug at prescription strength); using wound closing devices such as surgical glue, sutures, and staples; using any devices designed to immobilize parts of the body; and administration of oxygen as well as an injury that causes death, days away from work, restricted work or transfer to another job, or loss of consciousness

Total Recordable Cases (TRC) All recordable injuries including: all work related deaths, illnesses, and injuries which result in treatment beyond first aid, loss of consciousness, work restrictions, and/or transfer to another job (permanent/temporary). Examples include: thermal and chemical burns; cuts, abrasions and punctures; fractures/ broken bones; respiratory irritations; hearing loss; amputations; and sprains or strain

Definitions/Terminology

Days Away, Transferred, or Restricted (DART) Cases are all Recordable Cases that have days away from work, transferred work (employee able to return to work, but not perform routine work), and/or restricted work that allow employee to return to routine work with reasonable accommodations

- Days Away= Injury prevents employee from returning to work for one or more day(s)
- Transferred/Restricted=Injury prevents an employee from performing one or more of their routine job junctions or from working the entire workday.

DOE ORPS= Occurrences that meet certain criteria that requires reporting to DOE

Berkeley Lab strives to reasonably accommodate injured workers and reduce the amount of days away
Various studies illustrate benefits to employees *and* employers in returning employees to work asap after injuries