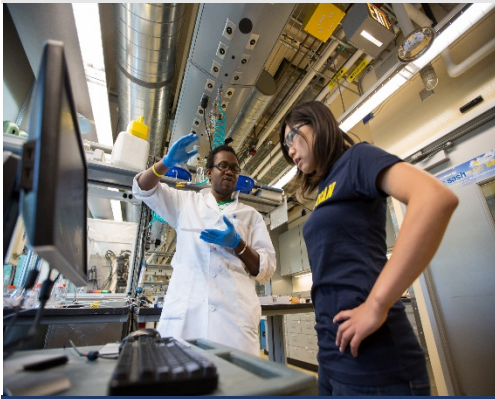




EHS Annual Summary of Research Safety Activity

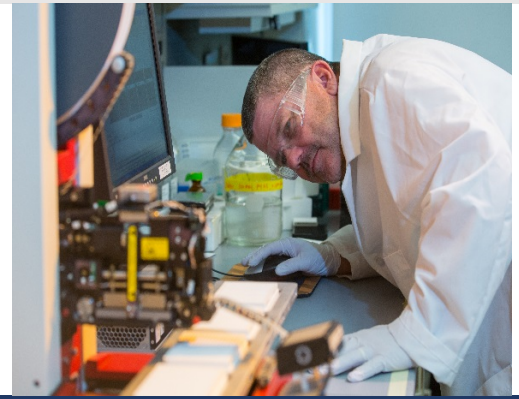
2017

EHS Research Activities



of Research Related Inspections: 8500

- General Laboratory
- Radiation Safety
- Biological Safety
- Machine Shop/Studio
- Lasers
- Animal Facilities



of People Trained: 8700

- General Laboratory Safety
- Radiation Safety
- Biological Safety

of Safety Protocols reviewed: 1300

- IBC Registrations
- Animal Research Protocols
- Radionuclide Authorizations

of lbs. of Hazardous Waste collected: 1.2 million

- Chemical
- Medical
- Low-Level Radioactive
- Non-Classified

of Equipment Certifications: 3800

- Biological Safety Cabinets
- Chemical Fume Hoods
- Local Exhaust Ventilation
- Laminar Flow Hoods

of Emergency Response Events: 140

Top Deficiencies Cited

General Laboratory – Chemical Storage Issues

Laboratory Unannounced Visits: Improper Lab Attire

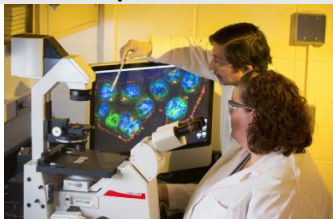
Biosafety – Expired Bloodborne Pathogen Training

Radiation Safety –Annual Refresher Training documentation

Shops/Studio –Hazard Communication Plan Issues



Inspection Compliance

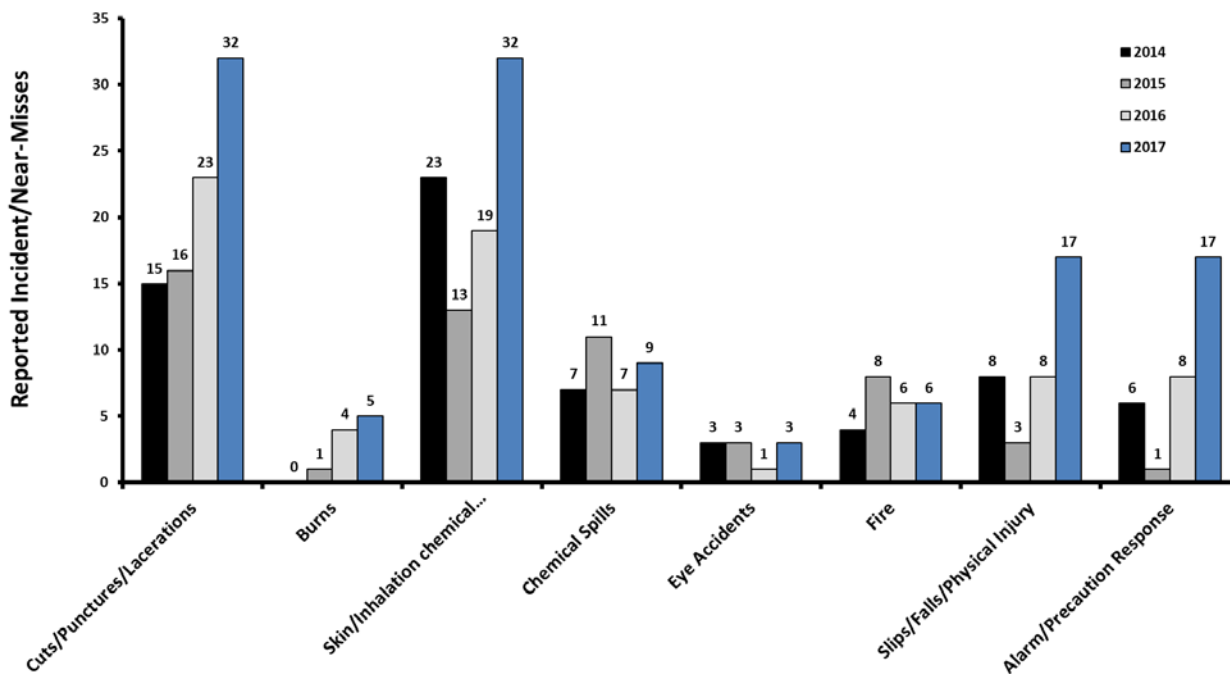


Schools/Colleges with **100%** compliance in correcting deficiencies: **8**

Schools/Colleges with **97-99%** compliance in correcting deficiencies: **6**

Laboratory Incident and Near Miss Reporting

2014-2017



Discussion Points

Observations

- Compliance with correcting deficiencies identified during inspections has improved across the Ann Arbor campus (96% average), with many units yielding 100% completion. As unit-level safety committees were established, EHS began issuing reports detailing open inspections on a quarterly basis to the committees which may have contributed to the increase in compliance.
- Unit-level safety committees have operationalized across campus and are actively meeting on a regular basis. They are focusing on unit-specific improvements with campus-wide efforts to enhance the culture of safety at U-M.
- There is an increase in the reporting of incidents and near misses across campus but more reporting is needed to make meaningful and appropriate conclusions from the data.
- Safety Coordinators attended one of two orientation sessions (Safety Coordinator Bootcamp). The sessions were conducted to clarify roles and responsibilities as articulated in the U-M Academic and Research Safety Policy and to empower safety coordinators to engage with their departments and unit safety committees.
- Community outreach efforts involved 5 sessions of "Coffee & Conversation" which is an informal event designed for EHS to interact, engage, and clarify resources and services for research staff, faculty, and trainees. EHS also participated in Researchpalooza and the NCRC Expo to promote EHS and the Research Smart Initiative.
- EHS worked with Fisher Scientific to get the Block M on 3 styles of safety glasses that have been distributed at various events and are also available for purchase by units through Marketsite. (*Pictured on front*)

Considerations-

- EHS will develop educational guidance documents on chemical storage to raise awareness.
- All units should encourage reporting of near misses and incidents to EHS.
- All units should encourage use of new EHS system, **MI Safety Portal** to access inspection findings and enter corrective action.