

# LABORATORY SELF-AUDIT

## 2021 PARTICIPATION DATA ANALYSIS

The Laboratory Self-Audit (LSA) is an annual general self-inspection geared towards cultivating a culture of safety and instilling resilience in FIU's laboratory community by enforcing regulatory compliance and safety initiatives. The Department of Environmental Health & Safety (EH&S) identifies trends in the information to encourage a safer working environment through safety initiatives, campaigns, and educational moments in our Safety Seminars. Visit the EH&S Website for more information here: [ehs.fiu.edu](https://ehs.fiu.edu)

Below is a breakdown of the LSA's participation, laboratory inventory, and top compliance gaps.

### PARTICIPATION ANALYSIS

Compared to the previous year, in 2021, there was a 14% increase in participation, yielding 356 participants. There has been a steady increase in participation since the LSA's inception in 2016.

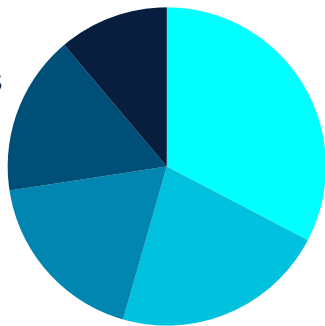
In 2021, 16% of the submissions were from Academic Laboratories, whereas 84% were from Research Laboratories. With over thirty-one (31) Core Research Facilities, FIU is a public research university that ranks among the top 2% of research universities nationwide.



356 Submissions

### HAZARD ANALYSIS

- Chemical
- Compressed Cylinders
- Hazardous Waste Generator
- Biohazards
- Biohazard Waste Generator



The 2021 LSA participants identified the hazards handled, used, stored, or processed within their spaces. To the left is a pie chart indicating the top five (5) most common hazards found throughout FIU's sites.

EH&S has various safety programs designed to maintain a safe and environmentally conscious working environment by providing a foundation, clear guidance, and resources for the FIU community. For more information on EH&S's Safety Programs, visit our webpage here:

<https://ehs.fiu.edu/safety-programs/index.html>

### COMPLIANCE GAP ANALYSIS

The LSA utilizes display algorithms to customize the survey based on the participant's selections of existing hazards and equipment. The information below illustrates the top compliance gaps found in the 2021 LSA; EH&S utilizes seminars, newsletters, and emails to spread knowledge and reduce compliance gaps through initiatives and campaigns.

- 50% of participants noted that "On-The-Job Safety Training" was not delivered to all laboratory occupants. Supervisors must provide on-the-job safety training to all space occupants for all hazards and as new hazards are introduced.
- 39% of participants that documented having a freezer or refrigerator in their space did not display an inventory of the contents on the unit's exterior. EH&S requires all freezers and refrigerators to have a current inventory of all materials/items within, displayed on the unit's exterior
- 25% of participants recorded that Emergency Shutdown Procedures are not displayed or accessible to all space occupants. Emergency Shutdown Procedures must outline how to shut down and secure experiments, equipment, materials, and hazards due to a slow-onset emergency, like a hurricane.
- 24% of participants had selected one or more special hazards but recorded not having or missing spill kits in their areas. Spill kits are required for all the hazards found within the space to contain and clean up small spills adequately.
- 24% of participants identified that training records are not displayed or accessible to all space occupants. Anyone in the space must easily furnish training records for all laboratory staff.

Visit the EH&S Laboratory Safety webpage for more information, found [here](#).

Reach out with any questions or concerns: [ehs@fiu.edu](mailto:ehs@fiu.edu).