

Safety Update for VCAT

February 3, 2021

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COVID-19 Pandemic Management, Prevention and Response Protocols

- Formalized OMB memorandum requirements for phased operations (staffing levels, occupancy limits, protocols) *and provide weekly updates on external and internal criteria and recommendations for NIST Leadership*
- Established COVID-19 prevention protocols for staff, contractors and visitors including face mask use, distancing, occupancy limits, routine disinfection, daily health and travel screening criteria posted weekly
- Established case response, disinfection, and notification protocols
- Established protocols to evaluate room ventilation
- Assisted with Hazard Review updates

**OPENING UP
NIST AGAIN**

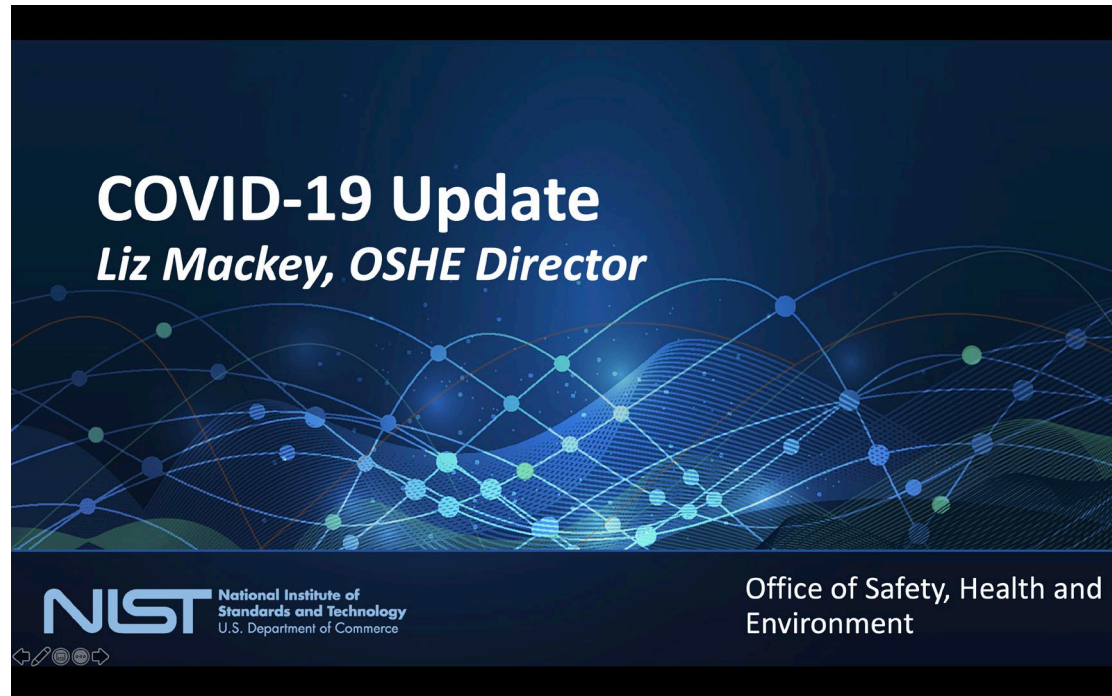
Safely

NIST N 2200.00 Phased Reopening During Pandemic Conditions
NIST N 2200.01 COVID-19 Mitigation Requirements
NIST N 2200.02 Use of Face Coverings
NIST N 2200.03 COVID-19 Mitigation Requirements for Visitors and Contractors

Updated: NIST S 7101.20 Hazard Review

18 Topical Guides to COVID-19 related requirements

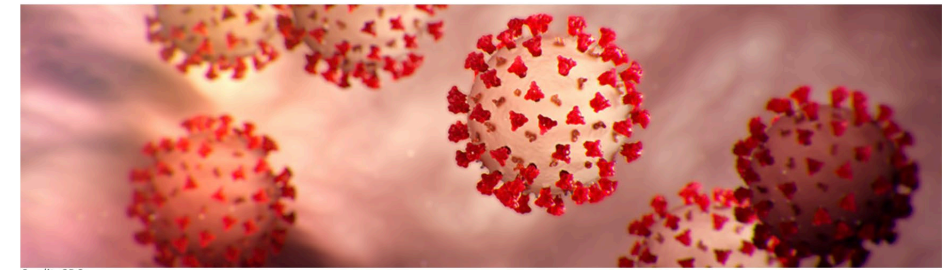
➤ Communication: Town Halls, NLB meetings, web pages, safe return-to-work training updated regularly



- Coronavirus (COVID-19) Guidance and FAQs
- December 17 Town Hall Slides Available
- COVID-19 Frequently Asked Questions
- November 2020 Town Hall Slides
- What to Do if You Have COVID-19 Symptoms
- Human Resources Guidance During COVID-19
- Available Onsite Facilities Services
- Site Access – Staff, Visitors, Deliveries
- NIST Conferences
- Telework Resources and FAQs
- How NIST is Helping

Coronavirus (COVID-19) Guidance and FAQs

UPDATED ON JANUARY 21, 2021



Credit: CDC

LATEST UPDATES

AS OF JANUARY 21, 2021, NIST HAS 106 STAFF MEMBERS WHO HAVE TESTED POSITIVE FOR COVID-19. (2 HAD BEEN PHYSICALLY PRESENT ON THE BOULDER CAMPUS; 9 HAD BEEN PHYSICALLY PRESENT ON THE GAITHERSBURG CAMPUS)

➤ Health Unit Support: screening COVID-19 cases; consult services for both campuses; specialized training for mission essential staff; conducted drive-through flu shot campaign (ESO); planning to administer COVID vaccines

OSHE leads the response to on-campus COVID-19 cases, overseeing disinfection of potentially contaminated spaces and notification of close contacts when necessary, and monitoring case data for trends and potential transmission on campus

Data as of January 29, 2021

- ❖ 260 cases reported as symptomatic, or COVID-19 positive to COVID19@nist.gov (assigned case numbers)
- ❖ 110 cases of those tested positive (includes teleworkers and on-campus staff)

- ❖ OSHE has responded to 70 cases starting on March 17, 2020 for persons with COVID symptoms or who tested positive and were on a NIST campus while potentially infectious, i.e., within 48 h of symptom onset, or COVID-19 positive test date for asymptomatic cases
 - ❖ 63 response plans
 - ❖ 41 required disinfection of spaces
 - ❖ 22 had close contacts on campus
 - ❖ 11 were COVID positive (of these, x had close contacts)

- ❖ 1 investigation to evaluate whether there may have been transmission on campus, based on observation of number of cases within a 14-d window in one OU. None were close contacts of other cases on campus.

- NIST is working with the Maryland Department of Health to make vaccines available to mission essential federal employees who work at NIST Gaithersburg.
- Plans are underway to administer vaccines in the NIST Health Unit in Gaithersburg and the NOAA Health Unit in Boulder
- Current COVID-19 general precautions will remain in place and must continue to be implemented by all staff, including those vaccinated
- OSHA continues to monitor latest information on pandemic conditions (national, state and local), the virus and its variants, and mitigation strategies including vaccinations
- Communication campaign is planned to support these efforts



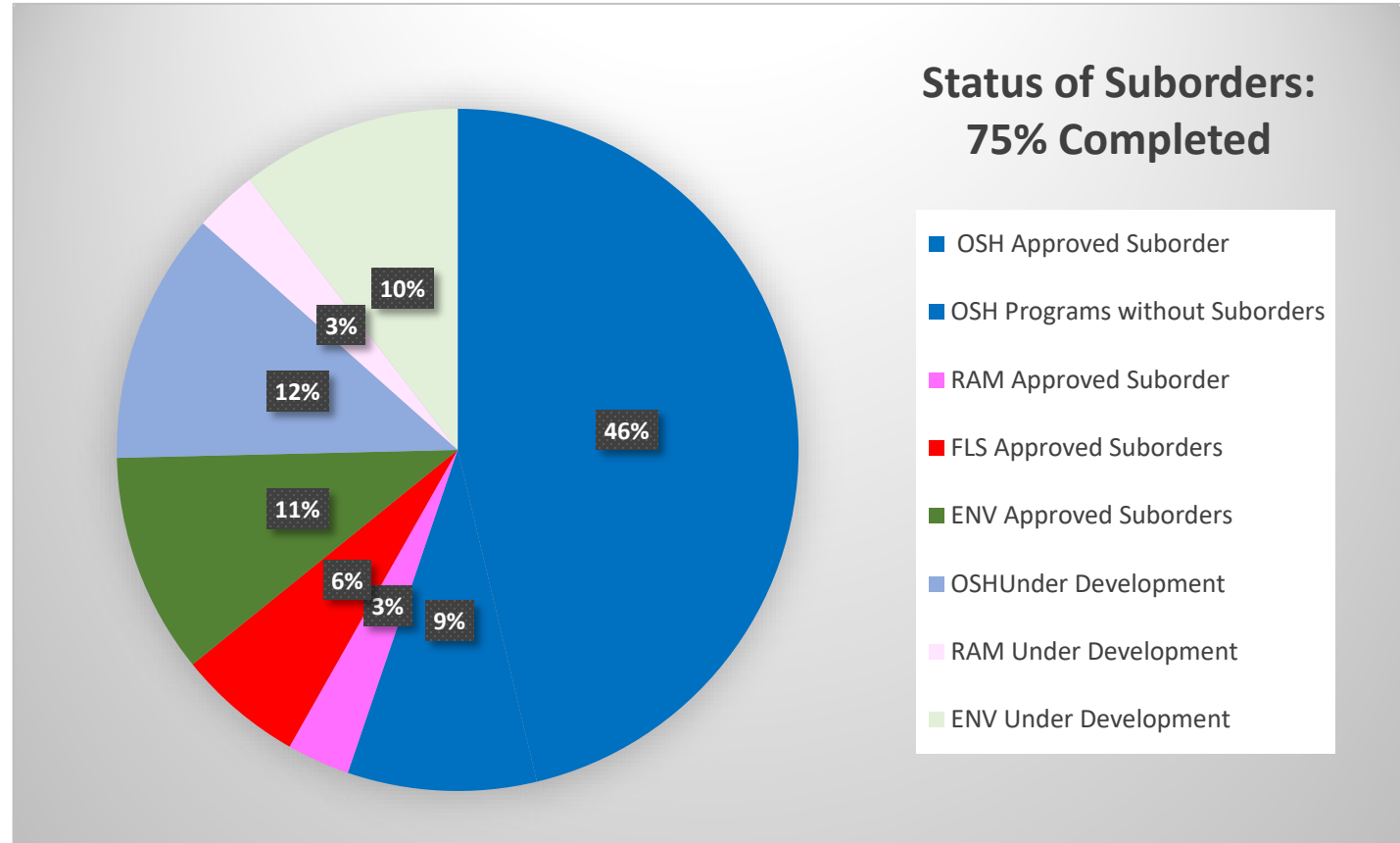
Status of NIST Safety Management System Directives

Programs by Policy Area (% complete):

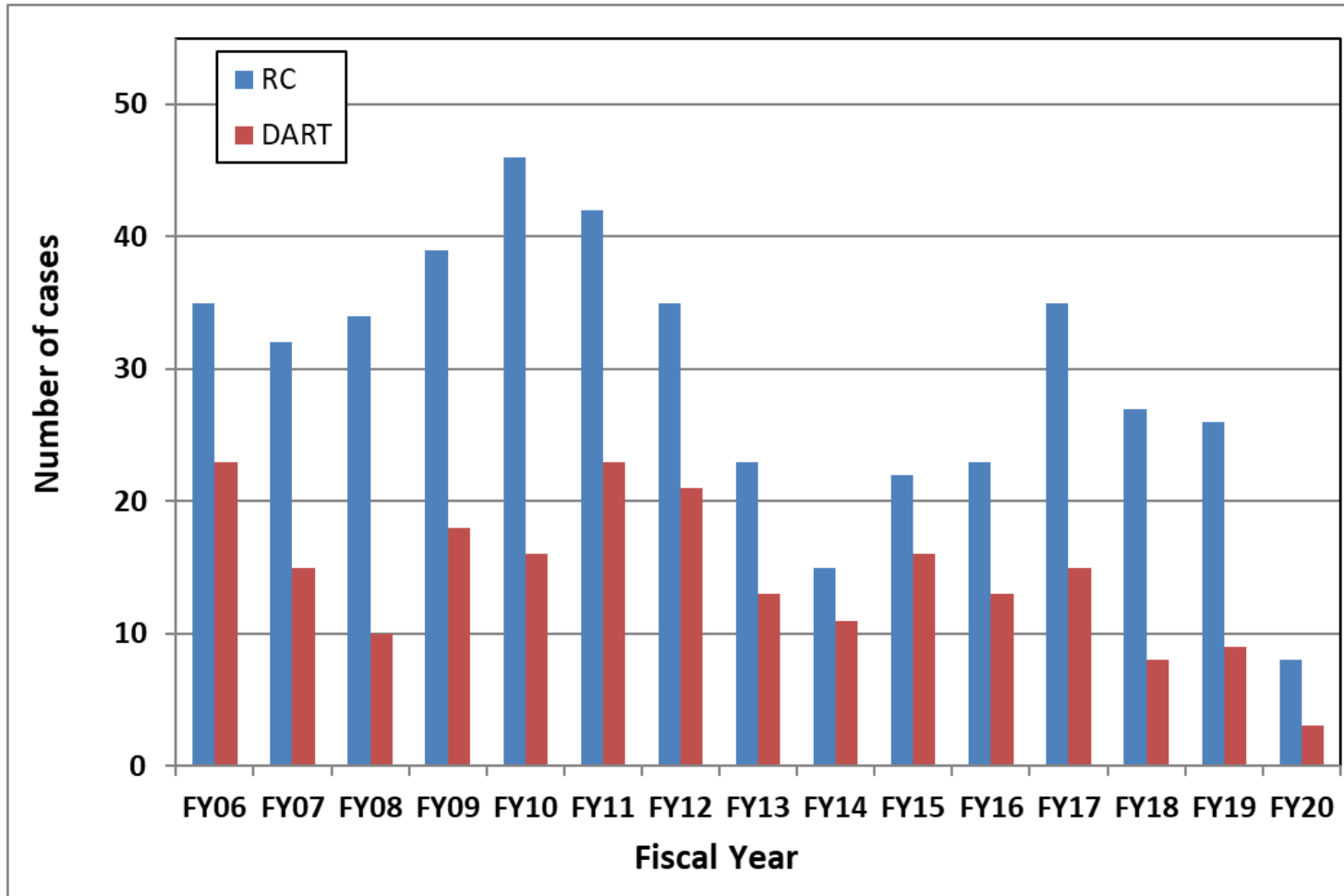
- 45 Occupational Safety and Health 80%
- 14 Environmental Management 50%
- 4 Fire and Life Safety 100%
- 4 Radiation Safety 50%

Programs Under Development:

- Change Management
- Contractor Safety
- Corrective and Preventive Actions
- Documents and Records
- Electrical safety (to replace Notice);
- Monitoring and Assessments
- Walking, Working Surfaces; ladder safety
- 2 Ionizing Radiation Producing Devices
- 7 Environmental programs (air, oil, stormwater, drinking water, wastewater requirements)



OSHA Recordable Cases (RC) and subset that represent Days Away, Restricted or Transferred (DART)



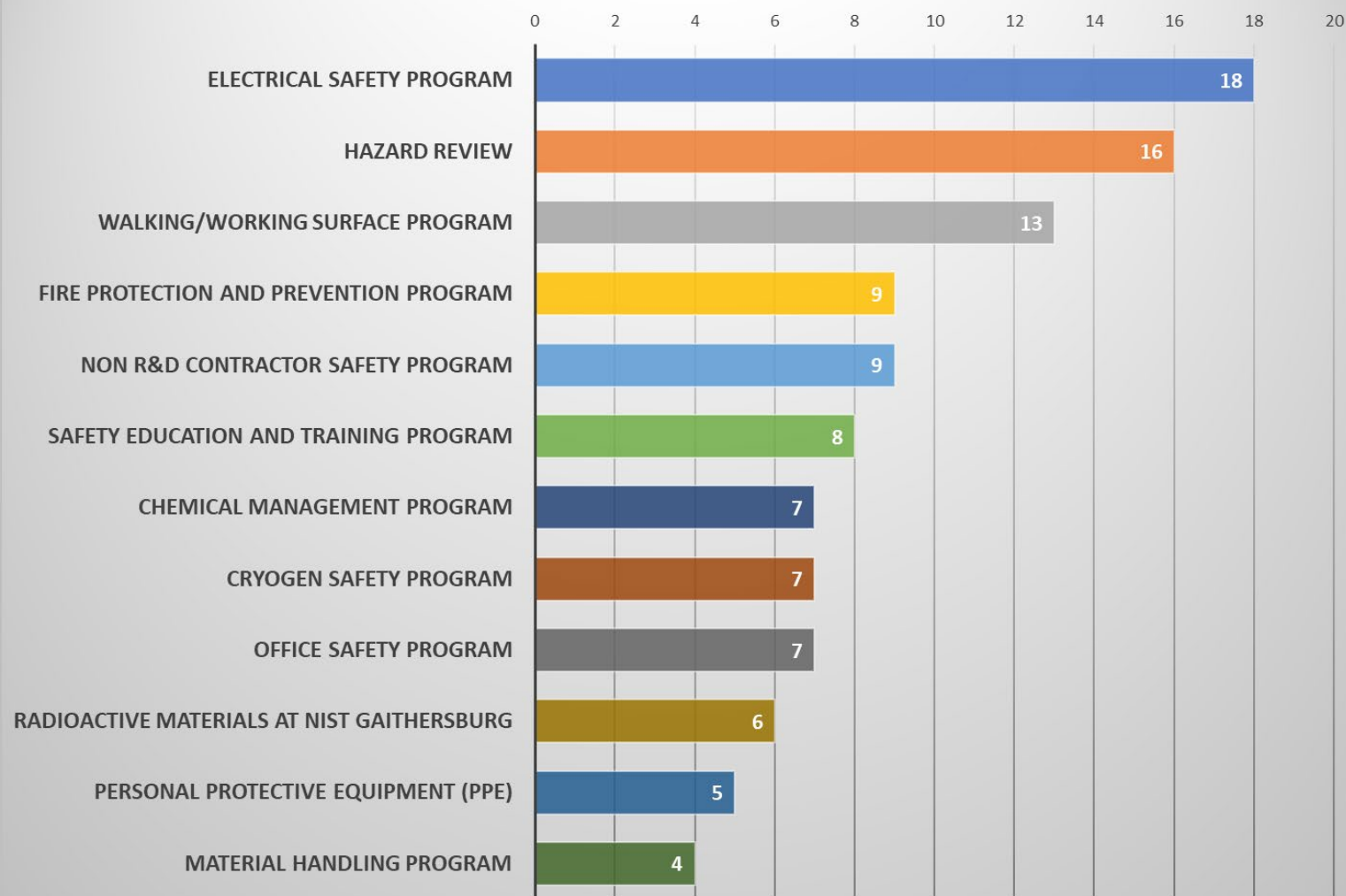
- 8 of 32 injuries were recordable
- Fractures (2), one teleworker STF
 - Broken arm (Field work)
 - Sprain (STF)
 - Muscle strain
 - Cryogen burn
 - Cuts (2), sharp object, falling object

3 hearing loss cases

Incidents, Near Misses and Workplace Inspections: Programs Tagged



Incidents and Near Misses
FY20 - Most Frequently Tagged Safety Programs



Workplace Inspection Top Findings

1. Chemical Labeling
2. Hazard Signage
3. Housekeeping
4. Slips, trips, fall hazards
5. Lighting
6. Chemical Storage
7. Electrical fixtures
8. Chemical inventory
9. Electrical, daisy-chaining
10. Electrical relocatable power taps

FY21 Incident Prevention Campaigns

- Slips, trips, falls
- Chemical safety
- Electrical Safety
- Hazard Reviews

Risks

Opportunities

Emergency and pandemic readiness

Improve COOP and Pandemic Plan (ESO/OSHE)

Changes in COVID-19 related risks

Vaccinations, actively manage operational phases

Ageing infrastructure

Continue SCMMR prioritization

Safety of contractor operations

Implement a robust contractor safety program

Safety management system is not fully developed/implemented

Issue remaining requirements, services and tools to support implementation

Safety complacency

Build on current safety awareness and engagement to strengthen safety culture