OR-FACE

Temporary/Contingent Worker Fatal Injuries

Case Studies and Prevention Recommendations

Oregon Institute of
Occupational Health Sciences

Oregon Health Authority

OREGON HEALTH & SCIENCE UNIVERSITY OHSU

Agenda

- What is FACE
- OR-FACE data
- FACE Investigations
- Recommendations
  - FACE Investigations
  - Staffing Agency
  - Contractors

OR-FACE
ORegon Fatality Assessment & Control Evaluation

- NIOSH surveillance research program
  - Began in 1982
  - Expanded to states in 1992
- OR-FACE
  - Joined 14 other state programs in 2002
  - 2010 only 9 states

FACE


WA
OR
CA
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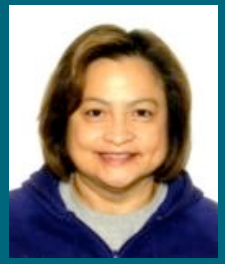
NY
VT
ME
NH
MA
RI
CT
NJ
DE
MD
HI**
AK
Puerto Rico
State FACE
NIOSH FACE
** Technical Assistance Visit
Non-FACE states where investigations have been conducted
States where no FACE investigations have been performed

OR-FACE Personnel

Ryan Olson, PHD
Program Director



Illa Gilbert-Jones, MS, CIH, CSP
Program Manager/Field Investigator

Melodie Bianchini
Portland State University
Student Worker

OSU MPH Student Interns

- Alexandra Varga (Biostatistics) completed
- Ashley Chase (upcoming summer)

Contract Investigators

- Construction
- Logging
- Maritime

Publications Review Panel

- Paul Moore
- Marilyn Schuster
- Dede Montgomery
- Jeff Wimer
- Dan Cain
- W. Kent Anger

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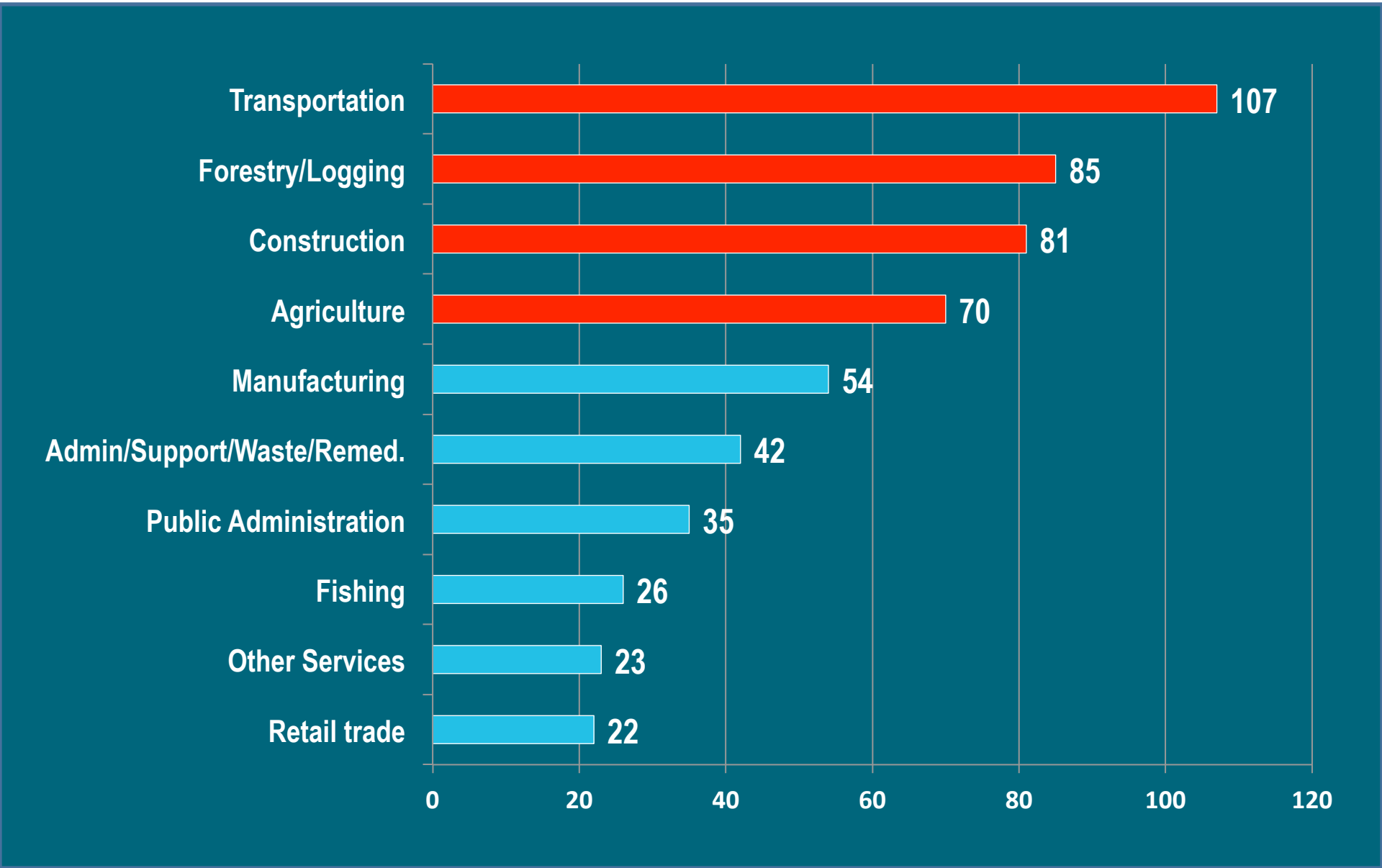
Mission

- Prevent traumatic work-related deaths in Oregon through
  - Surveillance
  - Targeted investigation
  - Assessment
  - Outreach

Worker fatalities in Oregon (2003-2013)
Top 10 industries in total number



Bureau of Labor Statistics (BLS)

Contingent workers are persons who do not expect their jobs to last or who reported that their jobs are temporary. They do no have an implicit or explicit contract for ongoing employment.

Alternative employment arrangements include persons employed as independent contractors, on-call workers, temporary help agency workers, and workers provided by contract firms.

North American Industry Classification System (NAICS)

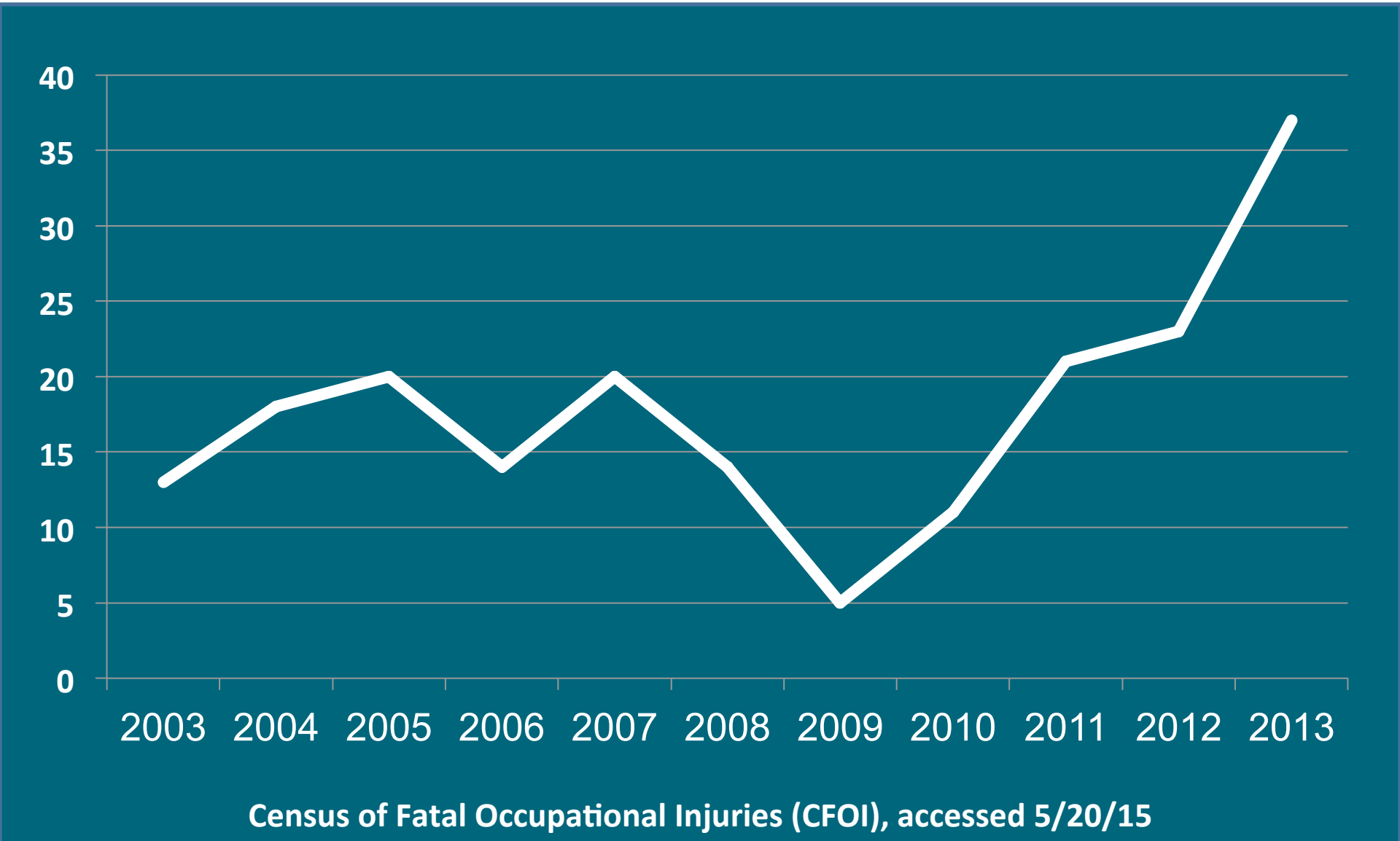
561320 Temporary Help Services

This industry comprises establishments primarily engaged in supplying workers to clients' businesses for limited periods of time to supplement the working force of the client. The individuals provided are employees of the temporary help service establishment. However, these establishments do not provide direct supervision of their employees at the clients' work sites.

Examples:

Help supply services
Model supply services
Labor (except farm) contractors (i.e., personnel suppliers)
Temporary employment or temporary staffing services
Manpower pools

Worker fatalities (2003-2013)
NAICS 561320 (Temporary Help)

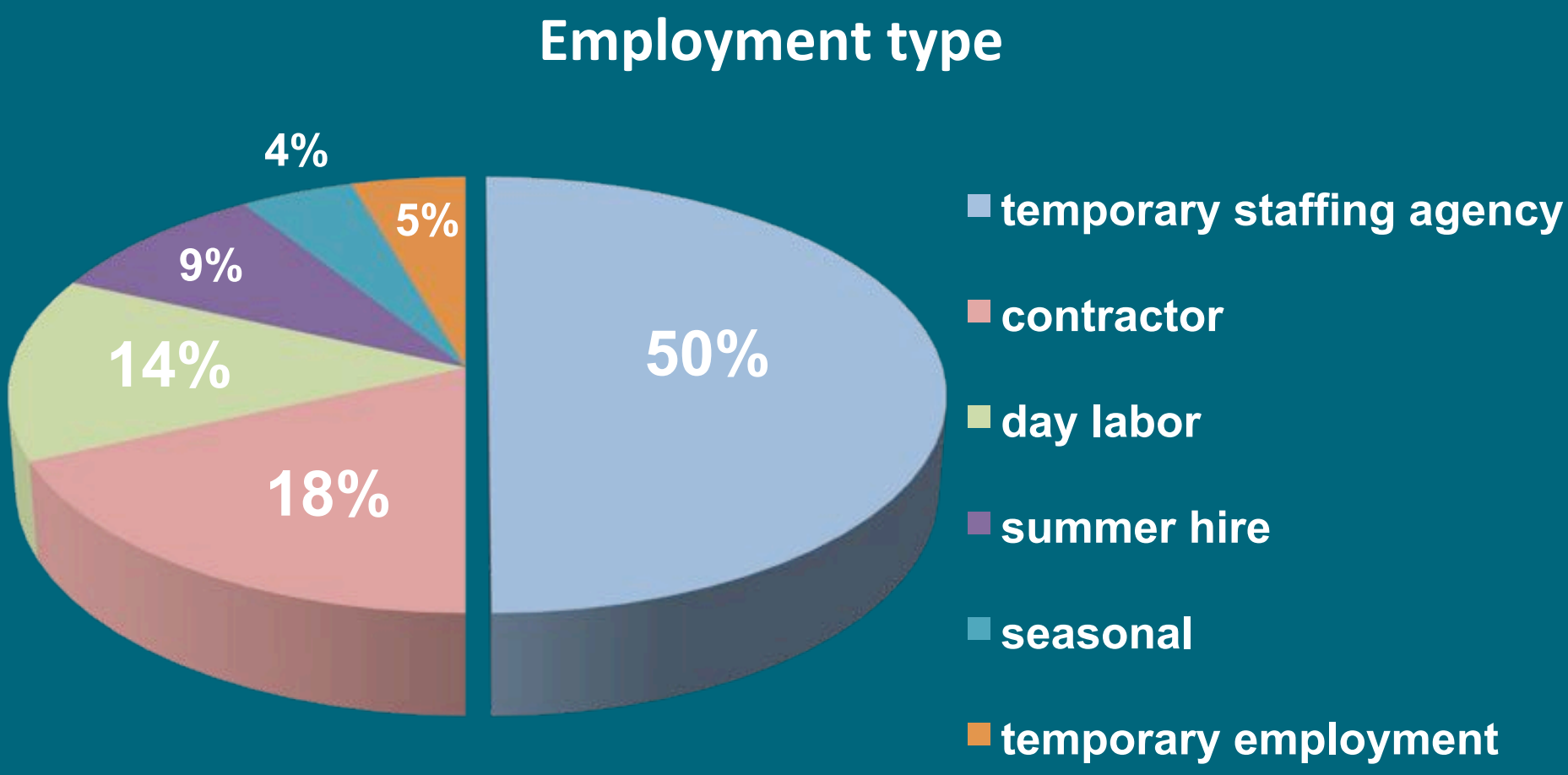


Census of Fatal Occupational Injuries (CFOI), accessed 5/20/15

FACE Investigations (2003-2013)
Temporary and Contingent Workers

	No of Cases
California	7
Massachusetts	3
Michigan	2
New York	2
Oregon	3
Washington	2
NIOSH	3
TOTAL	22

FACE Investigations (2003-2013)
Temporary and Contingent Workers



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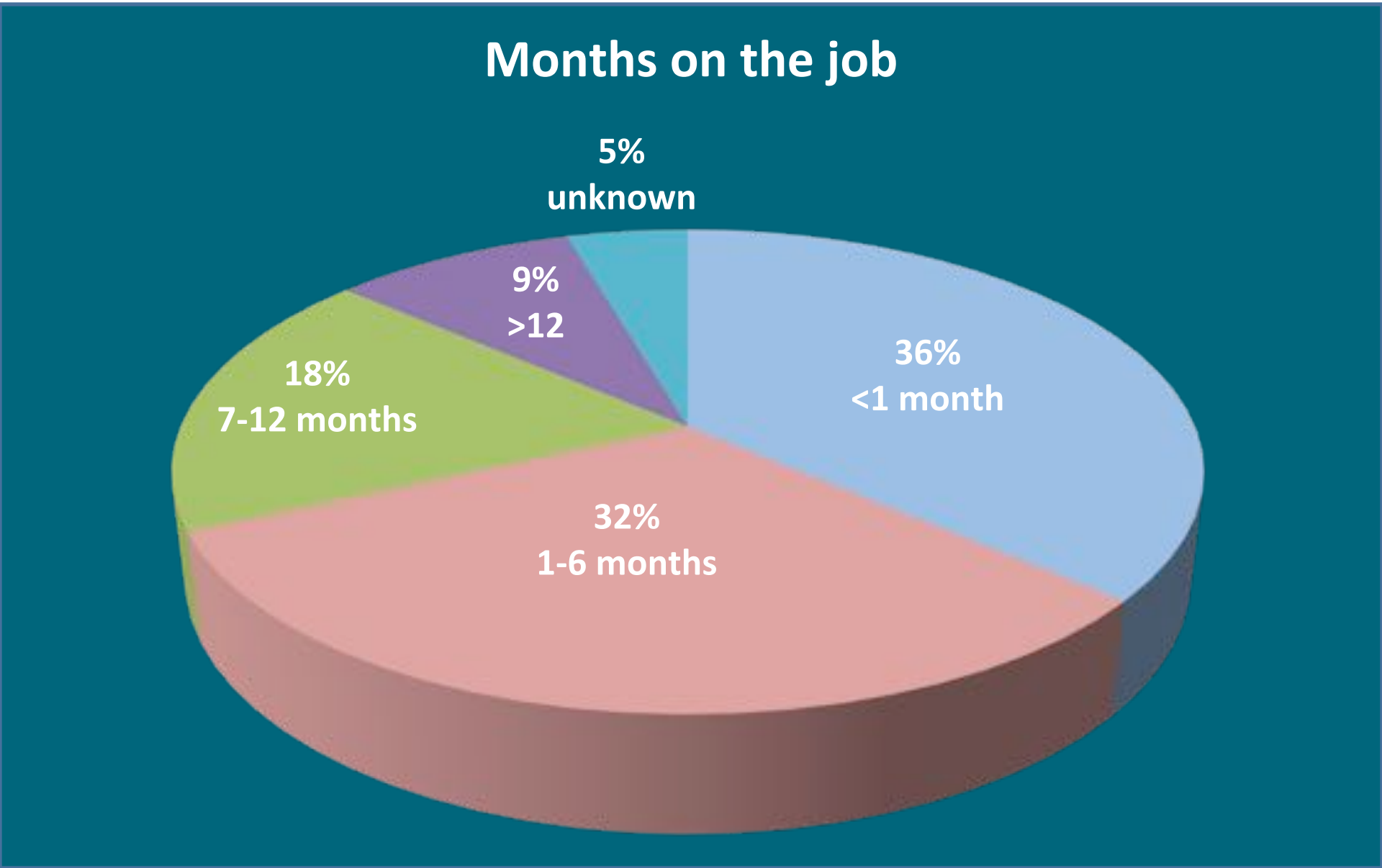
Temporary and Contingent Workers



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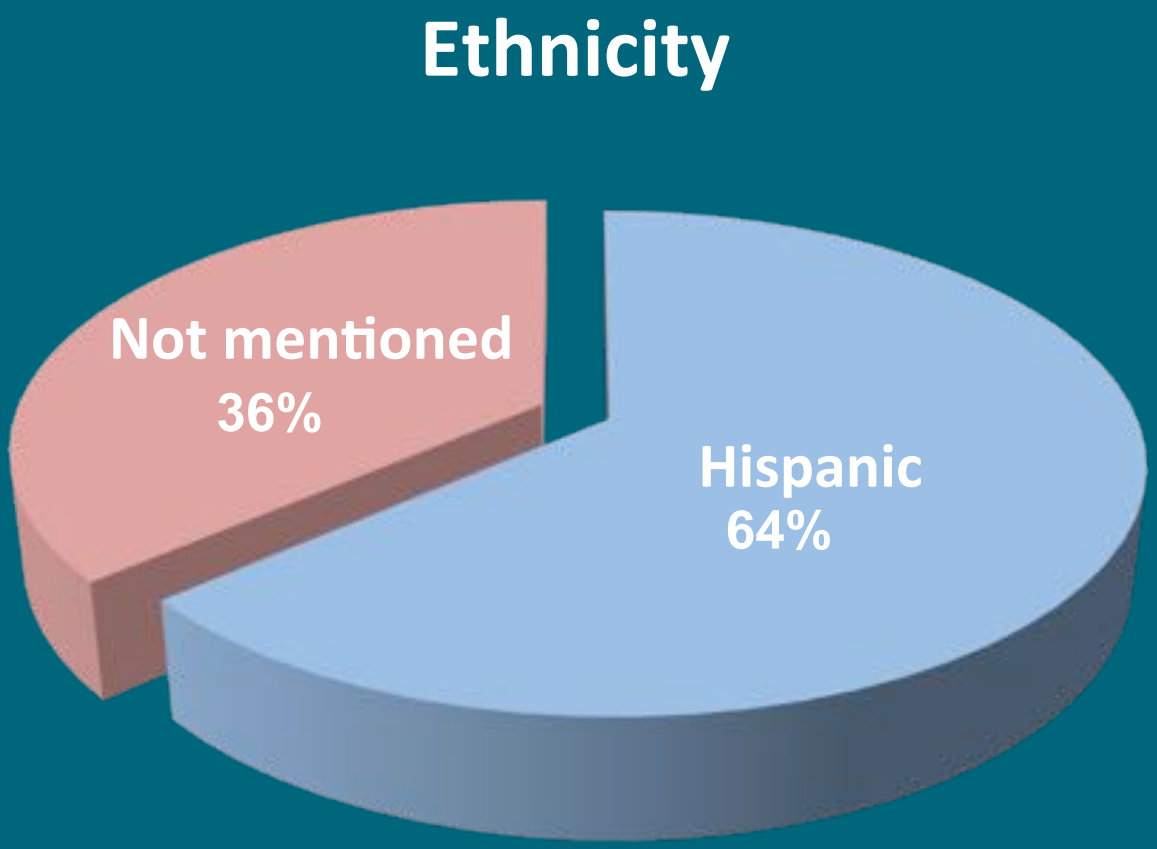
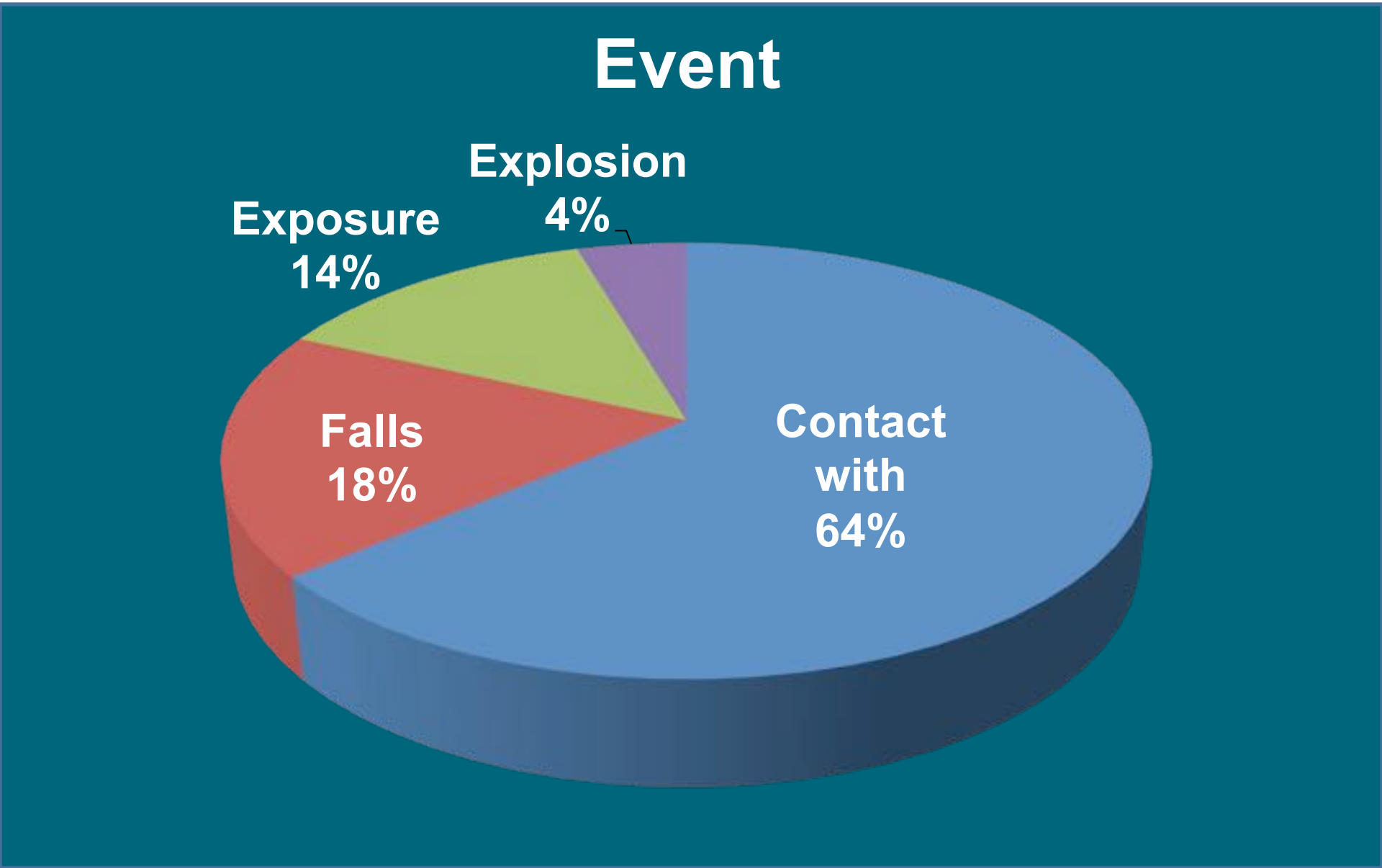
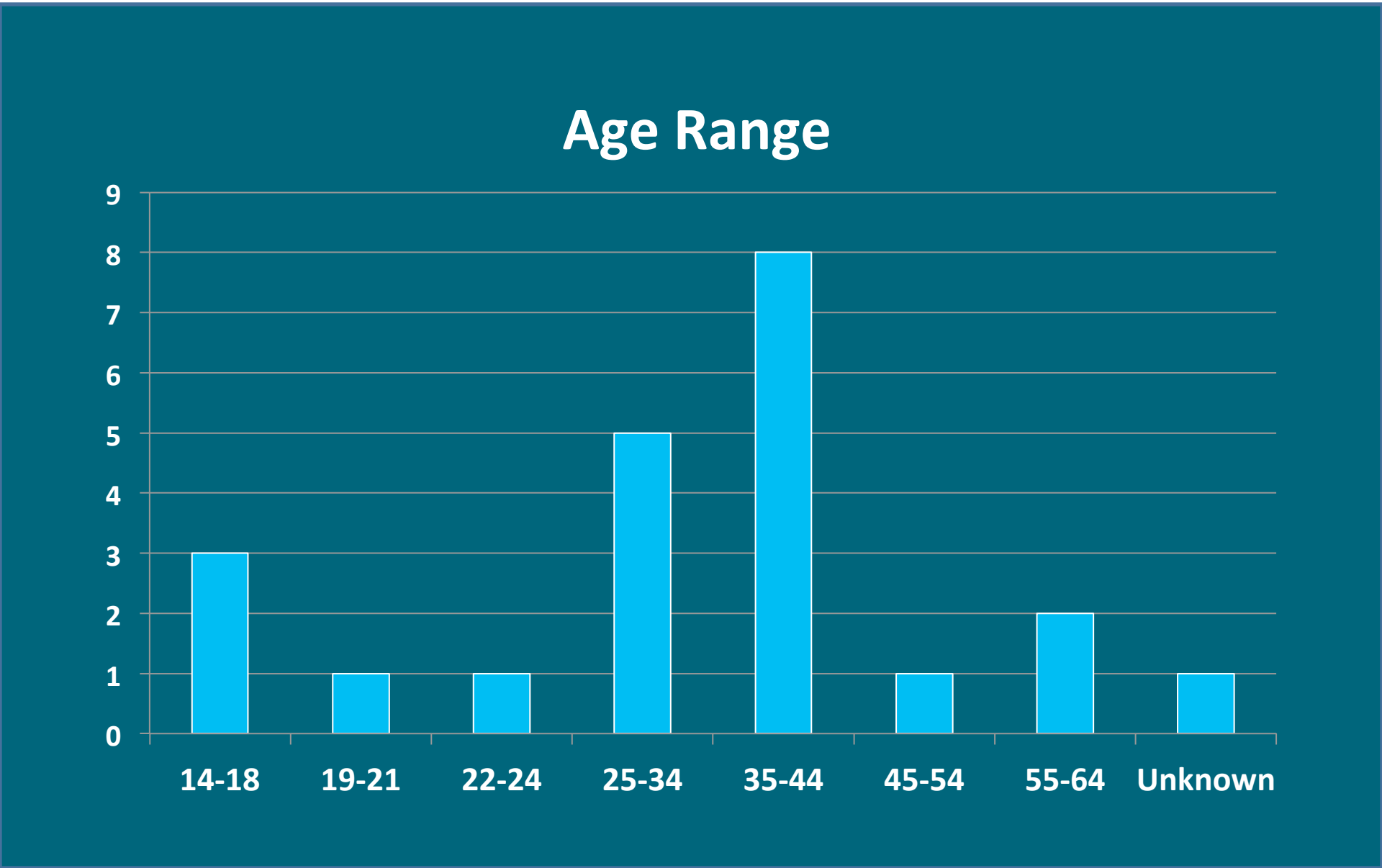


FACE Investigations (2003-2013)
Temporary and Contingent Workers



FACE Investigations (2003-2013)
Temporary and Contingent Workers



OR-FACE Investigations

Contract sanitation worker killed cleaning meat blending equipment

Host employer: Meat blending facility

Employer: Contract sanitation company

Work: Sanitize equipment during off-shift

Time at job: 6 months

Ethnicity: Hispanic

Contributing factors:

- Unguarded rotating equipment
- Slippery floors
- Long hoses (spigot distance)
- Training (safe practices)

OREGON FATALITY ASSESSMENT AND CONTROL EVALUATION

Fatality Investigation Report OR 2013-08-1

Contract sanitation worker killed cleaning meat blending equipment

SUMMARY

RECOMMENDATIONS

Temporary mill worker killed in fall down manlift shaft

Host employer: Feed processing plant

Employer: Temporary staffing agency

Work: Cleaners

Time at job: 1 month

Ethnicity: Hispanic

Contributing factors:

- Outdated manlift (not in compliance with OSHA design requirements)
- Training/instructions and signage in English

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OREGON FATALITY ASSESSMENT AND CONTROL EVALUATION

OHSU OREGON HEALTH & SCIENCE UNIVERSITY

Fatality Investigation Report OR 2007-57-1

Temporary mill worker killed in fall down manlift shaft

SUMMARY

On December 21, 2007, a 56-year-old clean-up worker at a food mill was killed when he fell into a manlift shaft. The worker apparently tripped or misjudged the handhold on a continuously running manlift in the mill that carried workers up and down between floors. He fell through the 2x2½-foot floor opening onto a crossbeam and was struck continuously by one of the manlift steps, which was unable to pass by him. The worker was employed through a temporary agency and was on the job 2 weeks. He was a native Spanish speaker with very limited proficiency in English, which made communication difficult. The victim had a visual impairment, which may have been a contributing factor in the fall.

A worker at the mill demonstrates use of the manlift to ride between floors.

CAUSE OF DEATH: Head Injuries

RECOMMENDATIONS

- **Workers must follow safe procedures when using a manlift.**
- **Employers must ensure workers understand safe procedures and demonstrate competence using a manlift, and are physically capable to use a manlift safely.**
- **Employers should have the capacity to train and supervise foreign-born workers in a language they understand.**
- **Employers should update manlift equipment to meet current safety standards.**
- **Employers must ensure landing surfaces for manlifts are clear and provide safe footing.**

Keywords: Falls, Manufacturing, Hispanic
Publication Date: September 7, 2010
This report is public information and free to copy

Oregon FACE Program
OR 2007-57-1
Page 1

Temporary mill worker dies in fall from tower catwalk

Host employer: Lumber mill

Employer: Temporary staffing agency

Work: Equipment operator

Time at job: ~ 2 months

Ethnicity: Hispanic

Contributing factors:

- Unguarded, narrow walkway
- JHA didn't identify fall hazard
- No formal training by host for temporary employees

OR-FACE
OREGON FATALITY ASSESSMENT AND CONTROL EVALUATION
OHSU OREGON HEALTH & SCIENCE UNIVERSITY

Fatality Investigation Report OR 2005-18-1

Temporary mill worker dies in fall from tower catwalk

SUMMARY

On June 23, 2005, a 43-year-old temporary worker at a lumber planing mill, operating a tower conveyor, fell 17 ft off a catwalk in the tower, and died 2 days later. While operating the planer, the temporary worker observed broken pieces of 2x4s beginning to jam up the flow of lumber. Following standard procedure, he stopped the conveyor and stepped onto one of the catwalks that traverse the interior of the metal-beam structure in order to reach the jam. He picked up a broken 2x4 and stepped backward on the catwalk to the platform; then walked out on the catwalk a second time to retrieve another long 2x4, and backed out, dragging the board. At the end of the catwalk, he missed his footing and fell to the concrete floor below, striking his head on another machine in his fall. Emergency responders arrived within a few minutes and transported the victim to the local hospital, where he underwent immediate surgery. He later died in the hospital.

Catwalks in the tower planer provided access to areas where lumber occasionally jammed in the conveyor system.

CAUSE OF DEATH: Blunt head and chest injuries

RECOMMENDATIONS

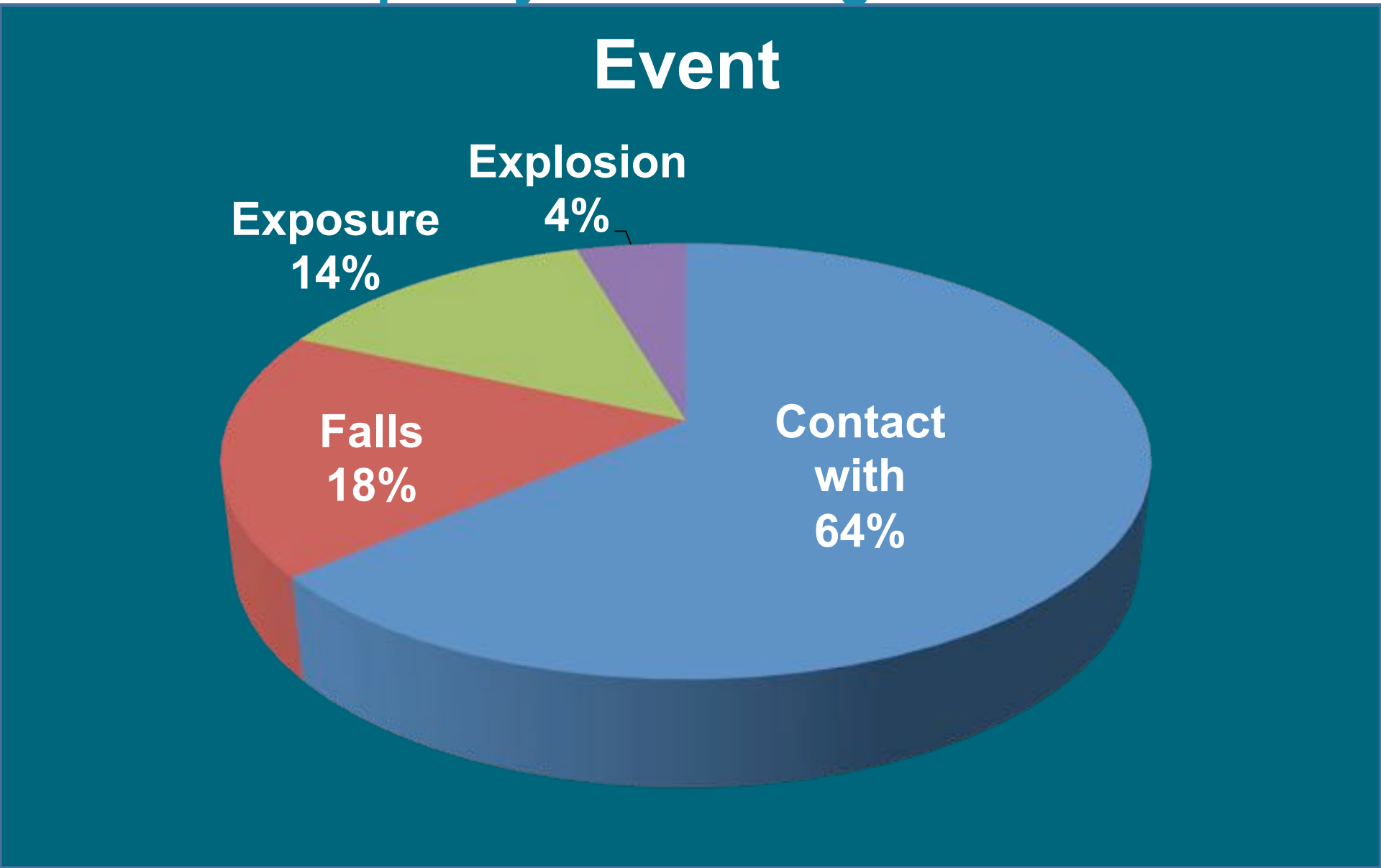
- **Guardrails must be installed on regularly used access walkways that are 4 ft or more above the ground. If guardrails are not feasible, alternative fall protection must be employed.**
- **Training in safe work procedures should be provided to all workers, including temporary workers.**
- **Employers should conduct hazard surveys and follow through with corrective action.**

Keywords: Falls
Publication Date: October 10, 2006

Oregon FACE Program
OR 2005-18-1
Page 1

Recommendations

FACE Investigations (2003-2013)
Temporary and Contingent Workers

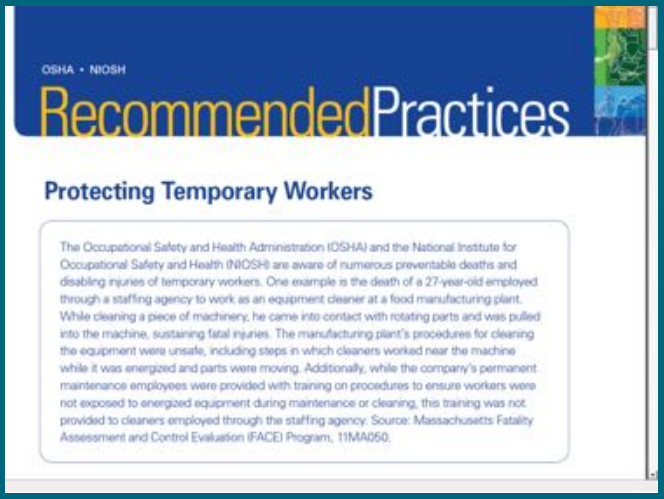


FACE Investigations Recommendations

- Develop and implement routine procedures for hazard identification and control
  - Equipment guarding (rotating / moving machine parts
  - Fall hazards
  - Legacy equipment (outdated/lack of safety features)

FACE Investigations Recommendations

- Training and comprehension
  - Hazard identification
  - Safe practices/procedures (LOTO)
  - Demonstrate competency
- Supervision
  - Observe/acknowledge safe practices/ correct unsafe practices
  - Review new task hazards and control



OSHA /NIOSH Recommended Practices Protecting Temporary Workers

The staffing agency and the host employer are joint employers and both are responsible for providing and maintaining a safe work environment.

Staffing Agency

- **Evaluate client safety process (survey, review documentation)**
  - Hazard identification/controls (e.g., JHAs, inspections, injury/near miss investigations)
  - Hazard/injury reporting
  - Compliance with specific safety standards (fall protection, lockout/tagout, powered industrial truck, confined space, respiratory protection, etc.)
  - Training and comprehension
  - OSHA injury/illness recordkeeping (300 log)
  - OSHA citations (public record, online access)

Staffing Agency

- Train employees
  - Hazard identification/controls
  - Reporting requirements-what/when/who (hazard, injury, safety concerns)
- Define scope of work in a contract
  - Include responsibilities for specific training and hazard controls
- Initially and periodically audit client process

Contractors

- **Develop comprehensive safety program**
  - Hazard identification/controls (e.g., JHAs, inspections, injury/near miss investigations)
  - Hazard/injury reporting-what, who, when
  - Specific safety standards (fall protection, lockout/tagout, powered industrial truck, confined space, respiratory protection)
  - Training and recordkeeping

Contractors

- Evaluate client safety process
- Define scope of work in contract
  - Responsibility for correcting hazards identified
  - Training on facility-specific controls (energy control, interlocks, fall prevention)
- Conduct initial and periodic JHAs of tasks

Questions/ Comments