

Oregon Fatality Assessment and Control Evaluation (OR-FACE)

Analysis of Oregon occupational fatalities from surveillance, investigation, and assessment findings

Barb Epstien, MPH, CIH, FAIHA
Illa Gilbert-Jones, CIH, CSP

Session A1: Topics in Safety



Overview

- What is OR-FACE
 - Mission
 - History
- Surveillance data (occupational fatalities, 2003-2015)
- Investigations
- Outreach
- Research projects

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Mission (background)

- Workplace fatalities: preventable, yet unacceptably common events
 - Each day traumatic injuries kill ~13 workers on the job
 - Each year ~ 350,000 workers killed on the job globally, with nearly 5,000 deaths in US
 - Current Oregon occupational fatality rate= 2.6 deaths per 100,000 workers(national average = 3.5)

Mission (goal / objectives)

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

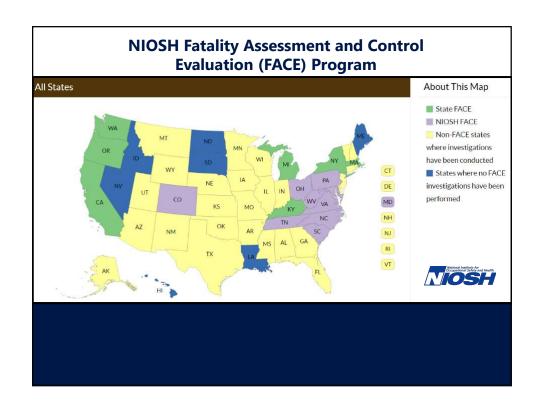


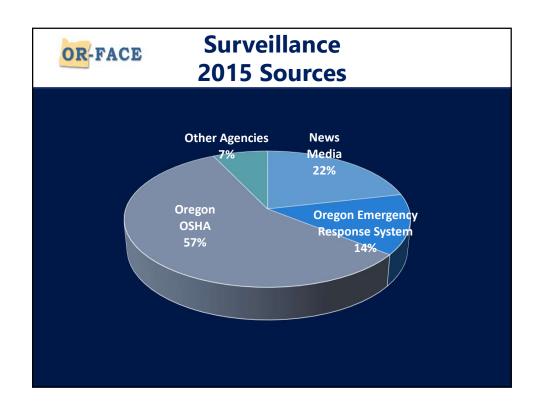


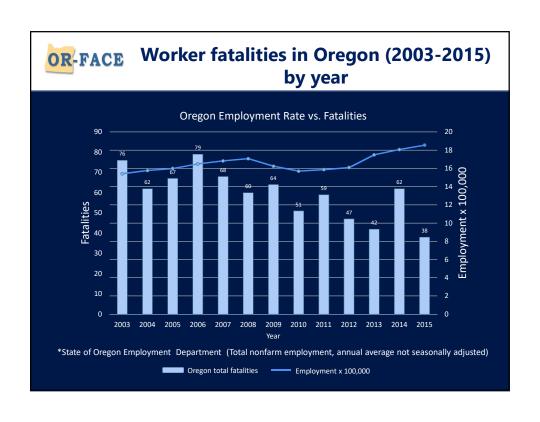
- NIOSH surveillance research program
 - -Began in 1982
 - -Expanded to states in 1992
- OR-FACE
 - -Joined 14 other state programs in 2002
 - -2010 only 9 states
 - -Currently only 7 states

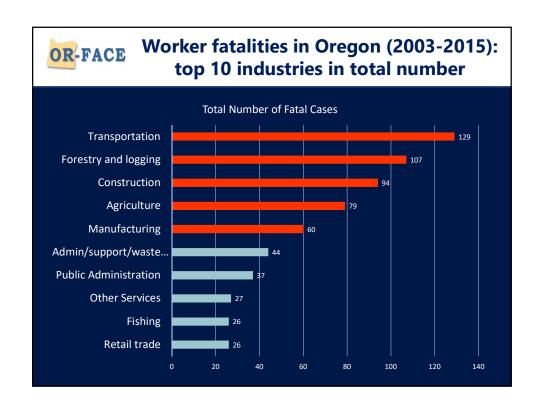


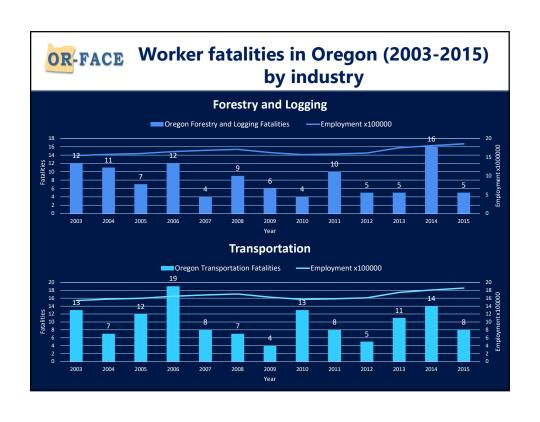




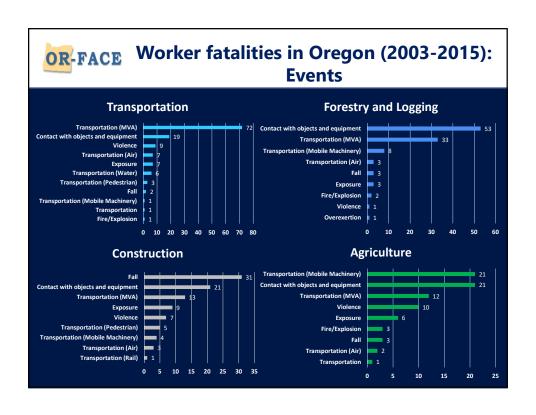














Investigations

Guiding Principles

- Maintain confidentiality
- Provide facts
- Provide best practice recommendations
 - Beyond regulatory requirements
 - Hierarchy of controls



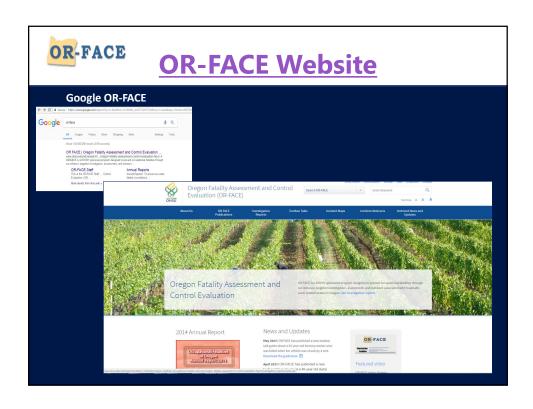
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Targeted Investigations

- Goals
 - Prevent fatal work-related injuries
 - Study work environment, workers, tasks, tools...
 and management role in controlling how these factors interact
- OR-FACE priorities
 - Portland metro (broad) & surrounding
 - Fall in construction
 - Transportation / mobile machinery
 - Temporary / contingent workers
 - Others, per collaborative partnerships
 - Multiple factors beyond OSHA scope



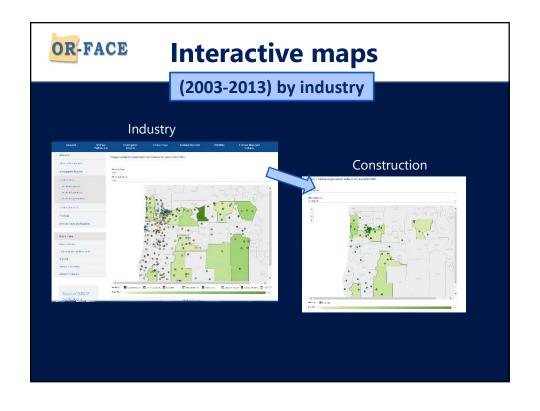


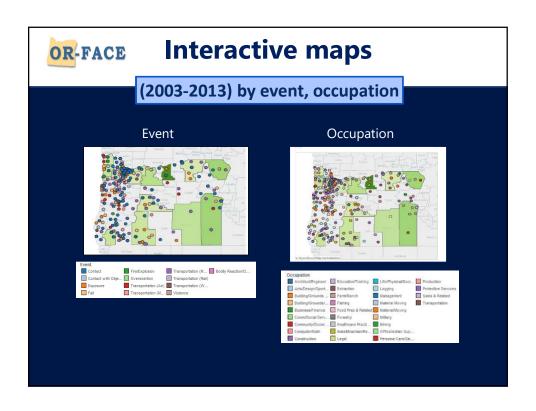


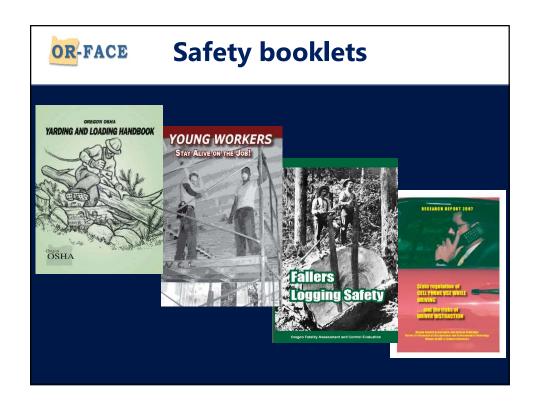
OR-FACE Outreach / Publications

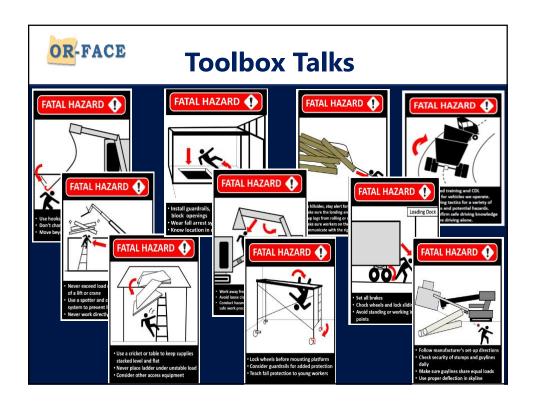
- Annual reports
- Interactive maps
- Safety booklets
- Toolbox talks
- Hazard alerts
- Blogs





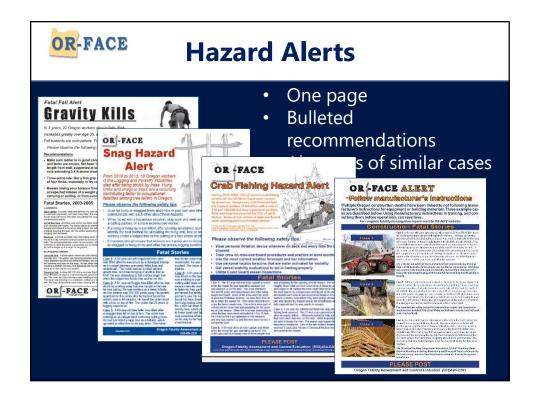
















Targeted Research

- Use knowledge gained through surveillance and investigation, e.g. identify high hazard industries, prevalent injuries, needs for prevention
- Develop and conduct field studies
- Ultimate aim: from lessons learned, produce evidence-based, practical intervention tools & methods

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Current Research Projects

- Social network analysis
 - Identify info pathways and opinion leaders to better target communications in high risk industries



- Preventing falls in residential construction
 - Test "trigger event" hypothesis
- Mobile toolbox talks
 - Establish & evaluate mobile marketing system to promote fatality prevention toolbox talks in residential construction





FACE's "Bottom Line..."

- Targeted investigations
 - Identify contributing factors
 - Develop comprehensive, best-practice recommendations for preventing similar deaths
- Targeted research
 - Surveillance → investigation identify high hazard industries, prevalent injuries, prevention needs
 - Develop and conduct field studies
- Outreach
 - Produce evidence-based, practical prevention tools & methods

