



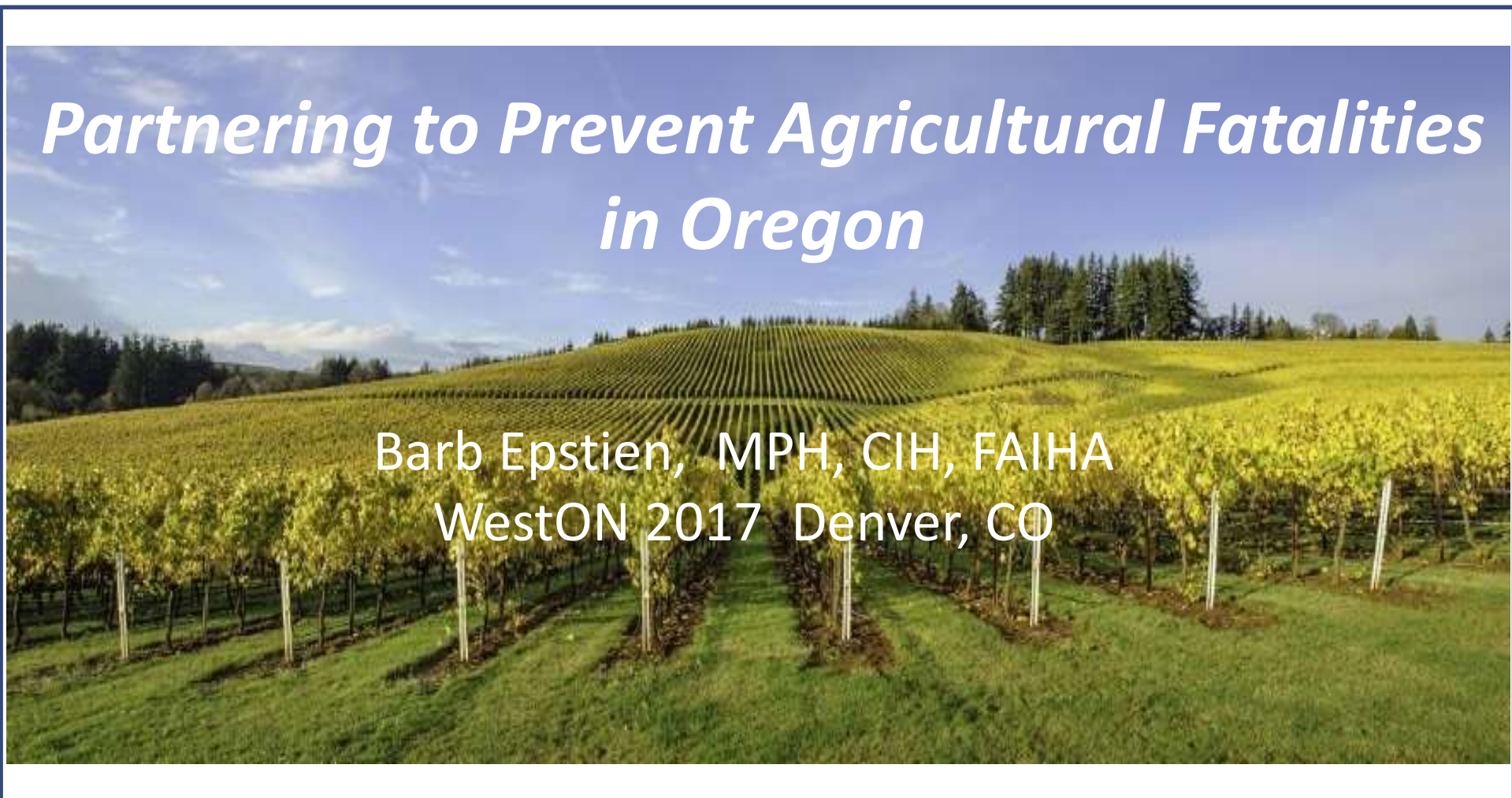
Oregon Institute of
Occupational
Health Sciences



Oregon
Health
Authority

Partnering to Prevent Agricultural Fatalities in Oregon

Barb Epstien, MPH, CIH, FAIHA
WestON 2017 Denver, CO





Surveillance

Investigation

Assessment

Outreach

Surveillance

Investigation

Prevention

Assessment

Outreach

Why Agriculture?

Experience
fatalities 9x

1/100 lost time



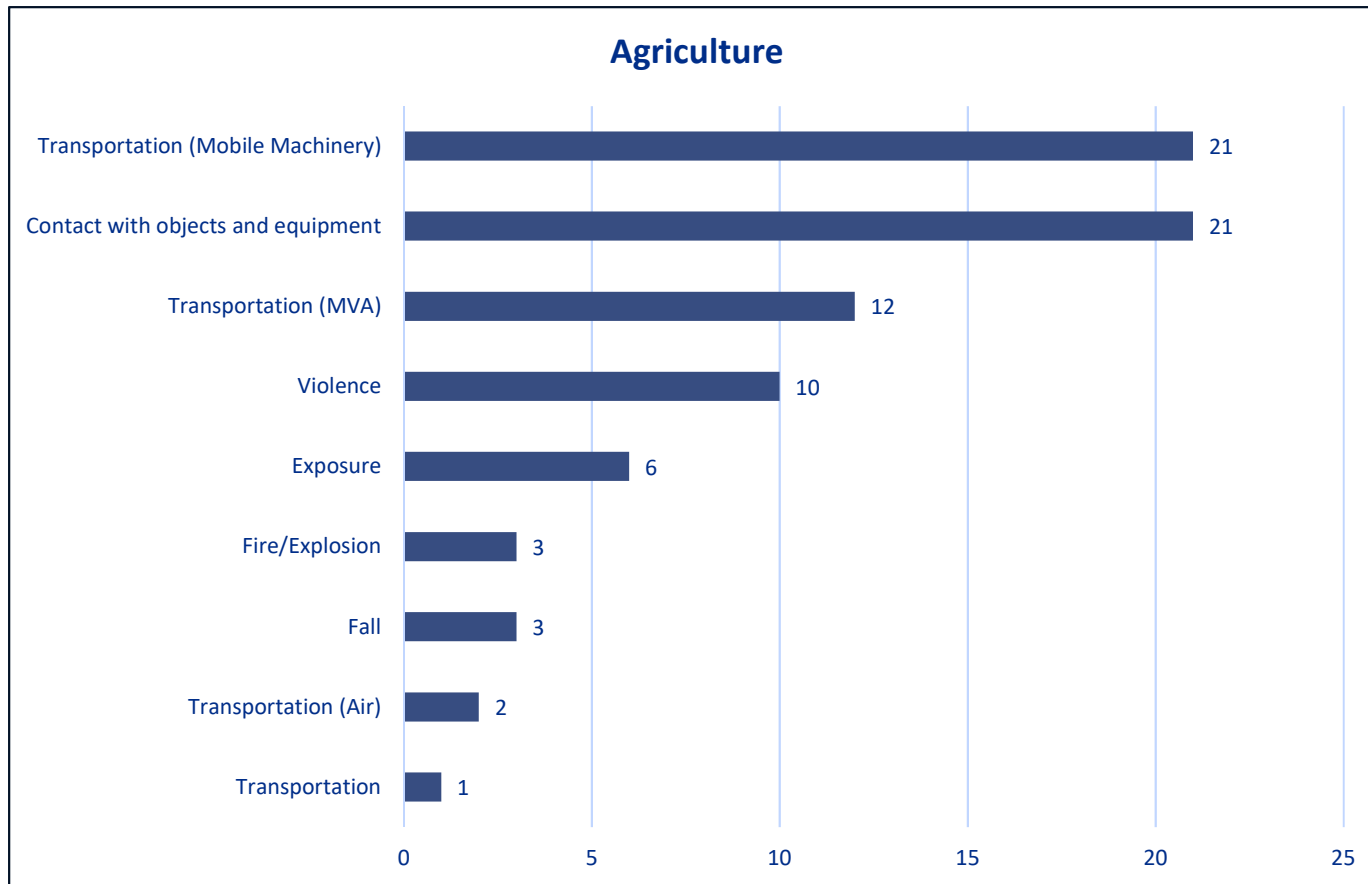
Why Agriculture?

37% tractors

Improve
equipment safety



Agricultural Worker Fatalities in Oregon (2003-2015)



OR-FACE Partnerships in Ag

- SAIF Agriculture Safety Seminar Series

saif Work.
Life.
Oregon.



SAIF Ag Safety Seminar Series

Ag seminars

SAIF provides these free agricultural safety seminars throughout the state—including nine in Spanish.



SAIF Agricultural Safety Seminar - 2021-22

Fall Hazards

SAIF **Ag** **Safety** **Seminar**
A fall is one of the most common and deadly agricultural injuries. It can happen to anyone, even to those who are experienced. Falls are the leading cause of injury and death on farms and ranches. Falls are the leading cause of injury and death on farms and ranches. Falls are the leading cause of injury and death on farms and ranches.

Aggers & Drivelines

SAIF **Ag** **Safety** **Seminar**
A tractor driveline is a major source of injury and death on farms and ranches. Driveline injuries are the leading cause of injury and death on farms and ranches. Driveline injuries are the leading cause of injury and death on farms and ranches.

Water Pressure

SAIF **Ag** **Safety** **Seminar**
A high-pressure water is a major source of injury and death on farms and ranches. High-pressure water injuries are the leading cause of injury and death on farms and ranches. High-pressure water injuries are the leading cause of injury and death on farms and ranches.

Safe Recommendations

1. Use proper fall protection techniques.
2. Always use fall protection when working at heights.
3. Make sure ladders are in good condition.
4. Avoid drinking alcohol before working.
5. Wear your seat belt when driving.

Safe Recommendations

1. Use proper fall protection techniques.
2. Always use fall protection when working at heights.
3. Make sure ladders are in good condition.
4. Avoid drinking alcohol before working.
5. Wear your seat belt when driving.

Safe Recommendations

1. Use proper fall protection techniques.
2. Always use fall protection when working at heights.
3. Make sure ladders are in good condition.
4. Avoid drinking alcohol before working.
5. Wear your seat belt when driving.

Can you identify fatal hazards on your farm or ranch?

SIX WORKERS ARE KILLED EACH YEAR on farms and ranches in Oregon.

The worker fatality rate in agriculture is far greater than the average worker fatality rate in Oregon.

Operating a vehicle and working with machinery are the most common sources of fatal injury.

⚠ DANGER

Identify fatal hazards on your farm or ranch. Complete a hazard assessment and take steps to prevent fatalities.

SAIF Agricultural Safety Seminar - 2021-22

Where the Partnership is Taking Us

Strategic partnership with SAIF

- Identified ag sub-sector

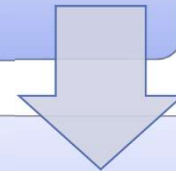
Social Network Analysis

- Partner with wine growers to identify and analyze their social networks

Social Network Analysis



Mapping pathways of
information and influence



Identify network
strength and weakness



Social Network Analysis



Mapping pathways of information & influence

Identify network strength & weakness

Use pathways to target safety communications

Goal: Quicker adoption of safety practices on smaller farms



Partnering with Oregon Wine Growers

- Facilitated by OSU Dept. of Horticulture Extension



Oregon Winemaking

**700 wineries,
13 regions**

**Economic
impact:
\$ and jobs**



Oregon Winemaking

**700 wineries,
13 regions**

**Economic
impact:
\$ and jobs**

**Inherent risks
& hazards**



SNA in Wine Growers

Approaches

Job shadow(s)

Goals

Better sense of vineyard equipment and technology

Understand how crews are supervised in the field

Learn industry “vocabulary”

“Wine Growers”



SNA in Wine Growers

Approaches

Survey

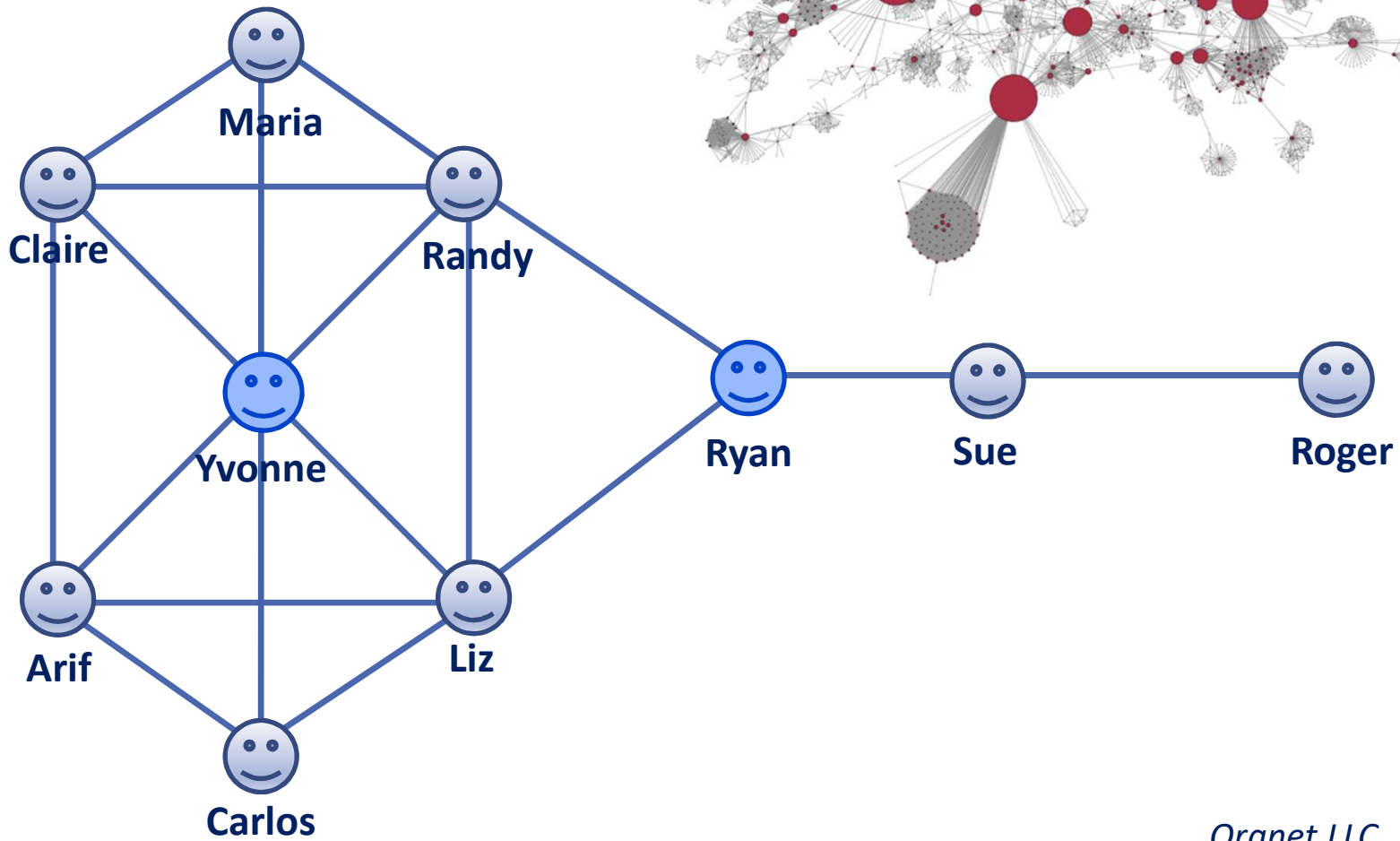
Goals

Go-to person for safety advice

Organizational influencers

Equipment needs

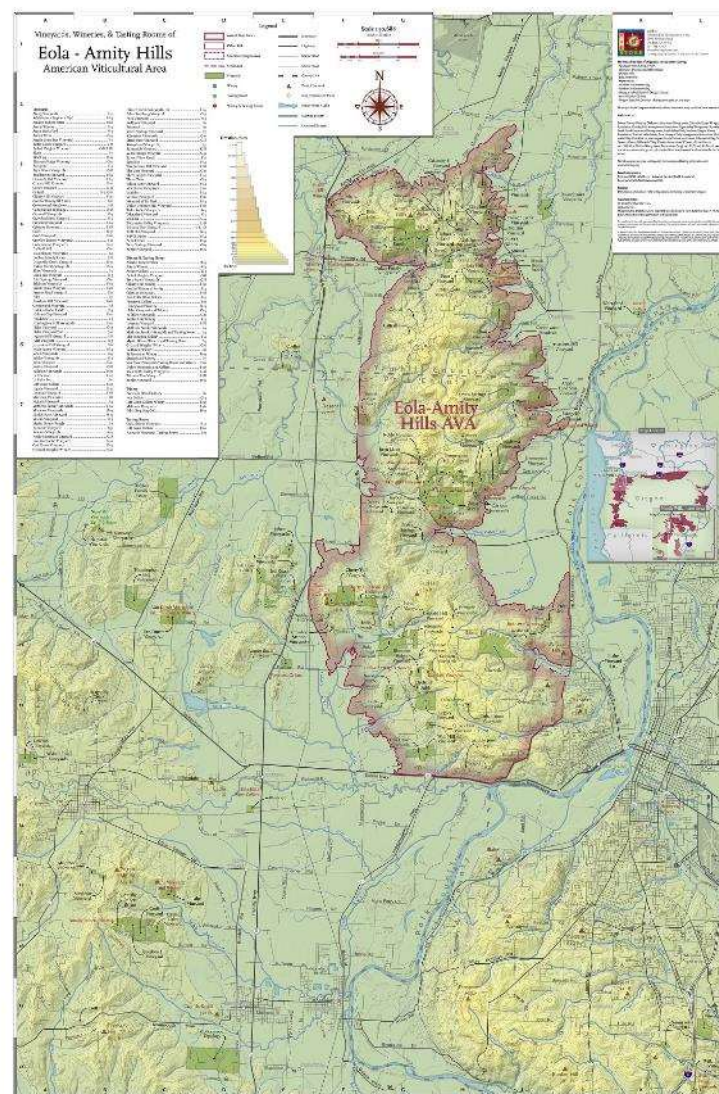
Social Network Map Examples

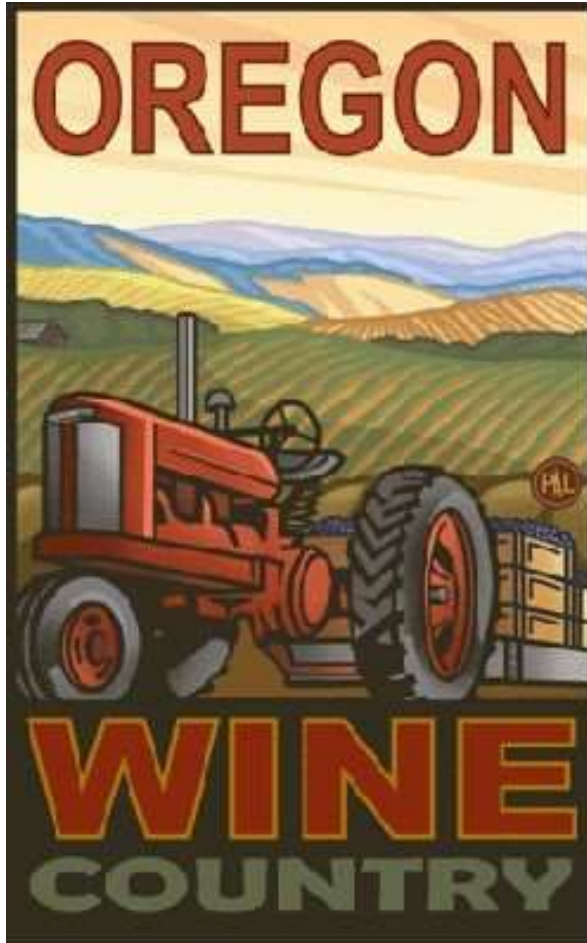


Orgnet LLC

Next Steps

- Survey... ID opinion leader... Safety info to disseminate...
- ♥ Quicker adoption of safety innovations...
- ♥ Prevent occupational fatalities





Visit us at www.ohsu.edu/or-face