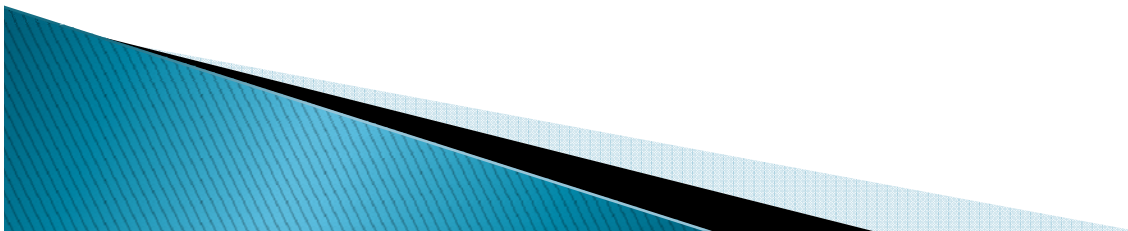


CROET Presents:

Driving Safety at Work

Friday, June 6, 2008



The Center for Research on
Occupational and Environmental
Toxicology
Oregon Health & Science University

Driving Safety at Work

Tualatin OR
June 6, 2008



Gary Rischitelli MD JD MPH
Program Director
Oregon Fatality Assessment and Control Evaluation (OR-FACE)

Oregon Fatality Assessment and Control Evaluation

- Sponsored in 9 states by the National Institute for Occupational Safety and Health (Oregon since 2003)
- Goals:
 - Perform comprehensive surveillance
 - Investigate incidents in priority areas
 - Conduct outreach to convey safety recommendations to workers and employers

OR-FACE Surveillance Sources

- Oregon OSHA
- DCBS Information Mgmt Division
- Death Certificates
- News Media
- National Agencies
 - (NTSB, OSHA, MSHA, U.S. Coast Guard)
- NIOSH FACE and other FACE states

OR-FACE Investigation Files

- **OR-FACE Independent Investigators**
- **Agency Investigation Reports (OSHA, MSHA, USCG, etc.)**
- **Death Certificates**
- **Medical Examiner Reports**
- **Police Reports**
- **News Media**

OR-FACE Assessment

- **Demographic Variables**
 - (Age, Gender, Race/Ethnicity, Time, Location)
- **Occupational Coding**
 - (Industry, Occupation, Event)
- **Priority Areas of Concern**
 - (Frequency and Rate)
- **Safety Recommendations**

OR-FACE Outreach

- **Investigation Reports**
- **Hazard Alerts**
- **Research Reports**
- **News Releases**
- **Conferences and Events**

Motor Vehicle Crash Fatalities in General Population

Oregon 2003-2006

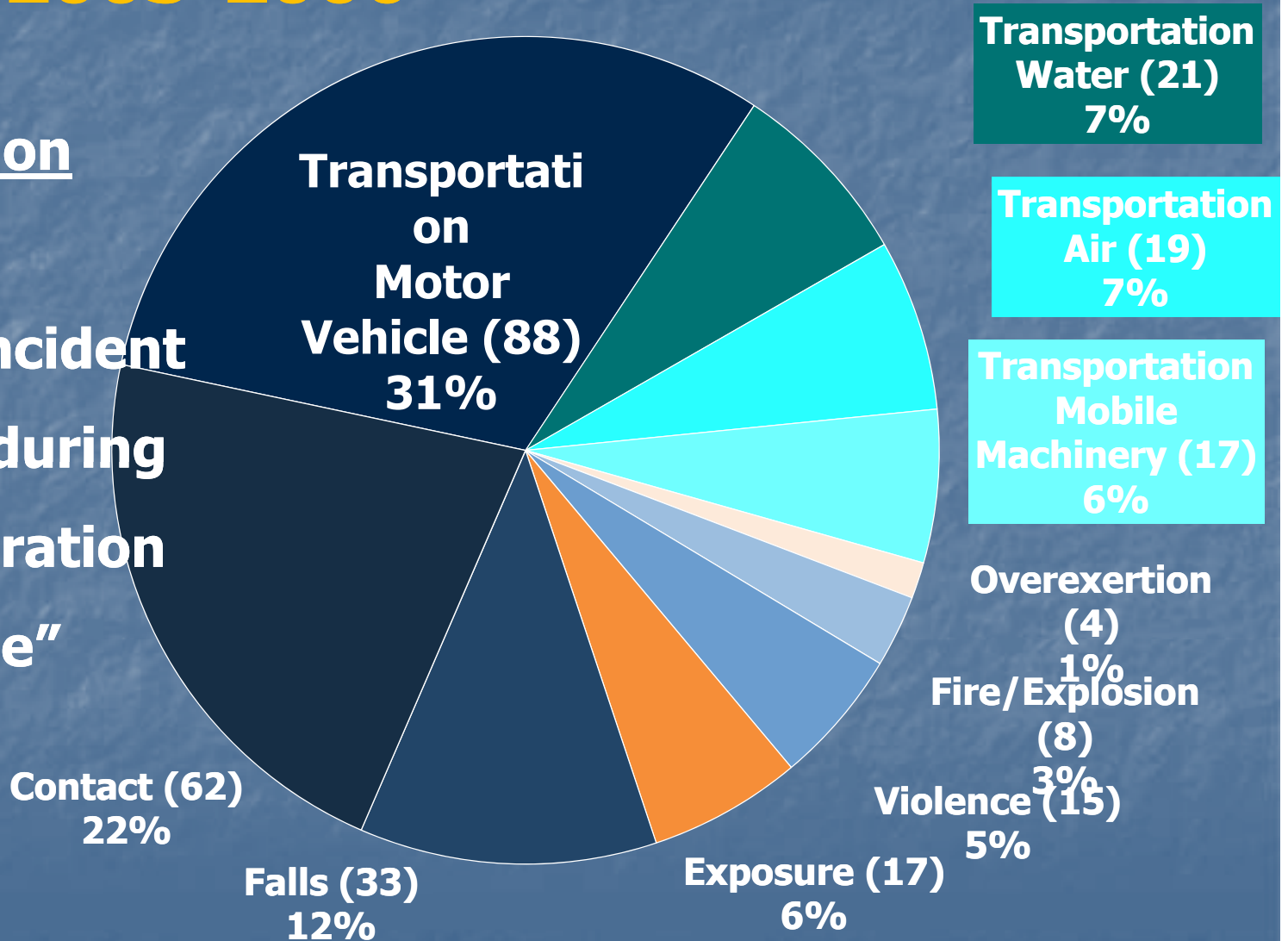
- **Fatal Incidents = 1,677**
 - **66 Work-related (4%)**
- **Total Fatalities = 1,934**
 - **80 Workers (4%)**
- **Alcohol involved in over one-third of crash fatalities.**
- **No seatbelt was worn in over one-third of crash fatalities.**

Worker Fatalities by Event

Oregon 2003-2006

Transportation event

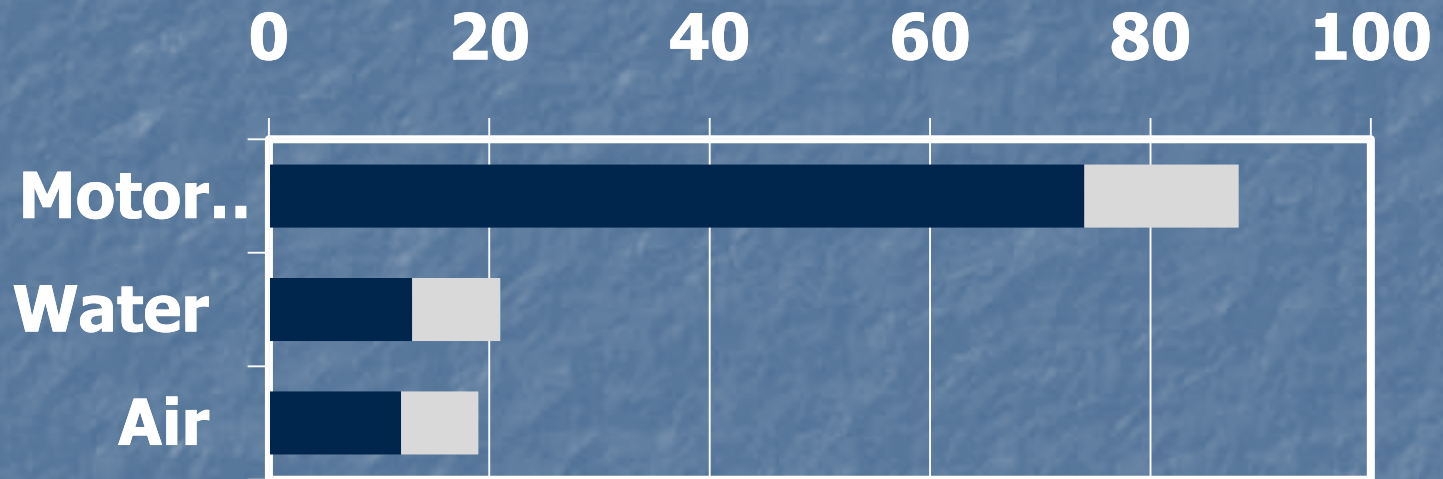
defined as incident
that occurs during
"normal operation
of the vehicle"



Total= 284

Multiple Worker Fatalities in Transportation Events

Oregon 2003-2006



All multiple fatalities occurred in transportation. Driving in motor vehicles involved 88 fatalities and 14 (16%) multiple victims.

Motor Vehicle Transportation Fatal Incidents

Basic setting and type

74 Incidents

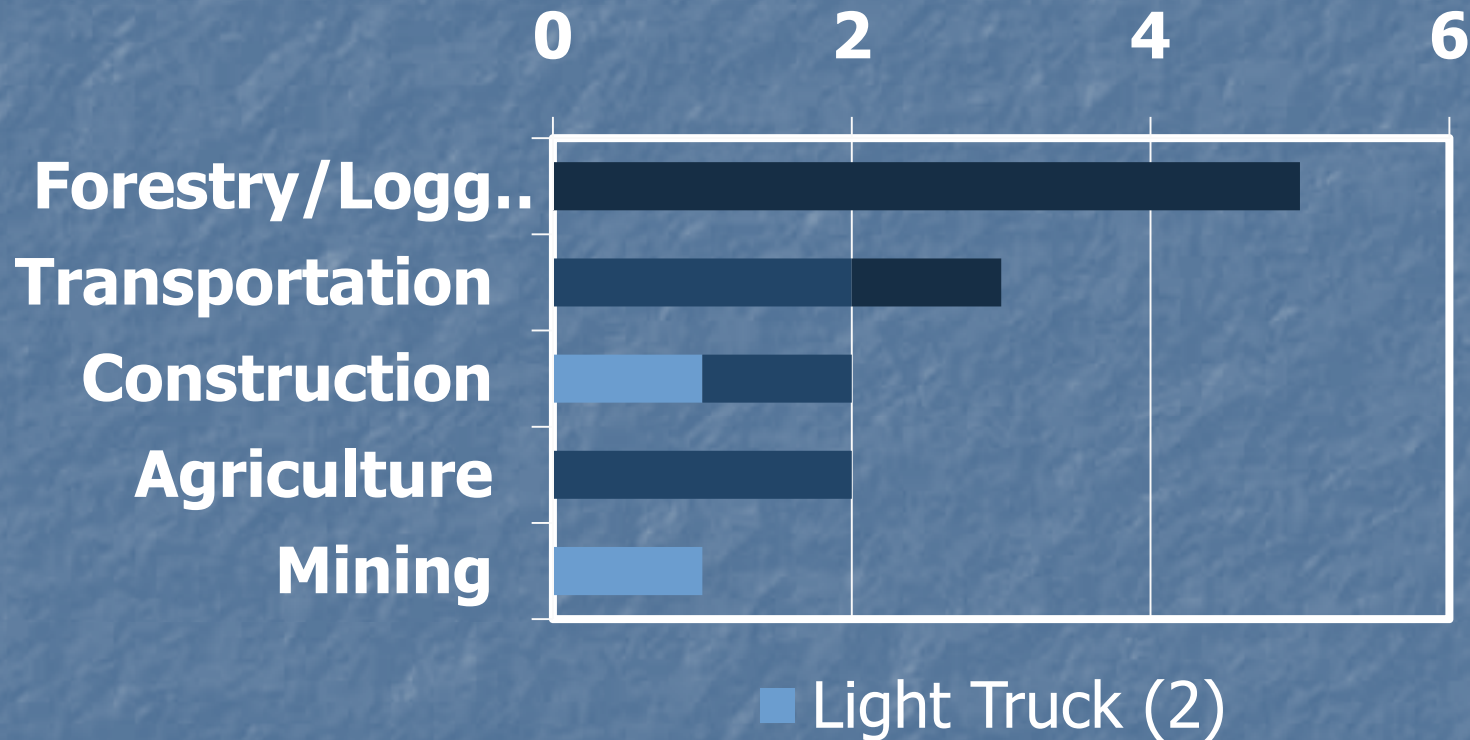
53 Paved Road Crash (72%)

13 Unpaved Road Crash (17%)

6 persons outside vehicle (8%)

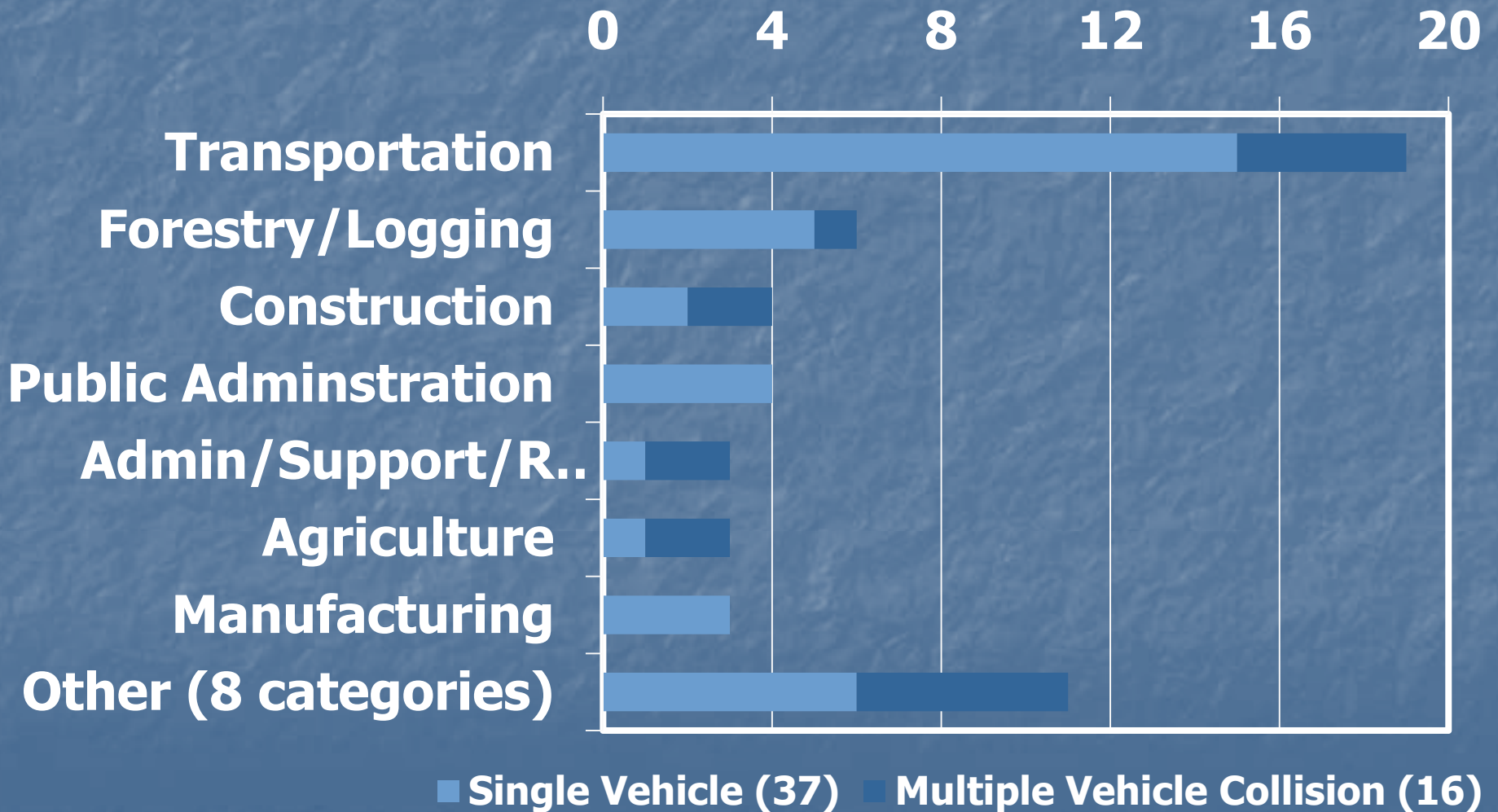
2 passengers exiting moving vehicle (3%)

Incidents on Unpaved Roads by Industry

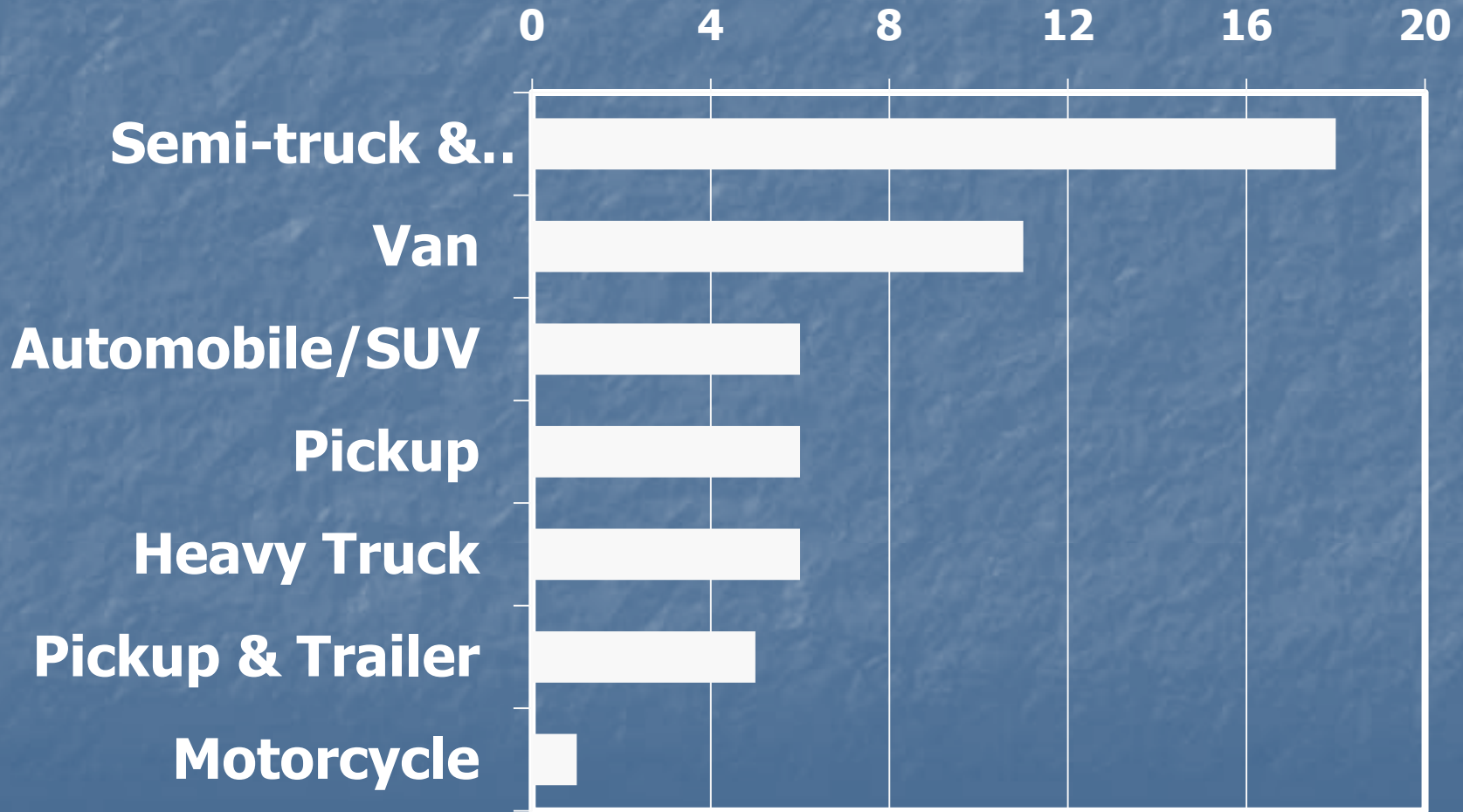


All incidents on unpaved roads involved single-vehicle loss of control

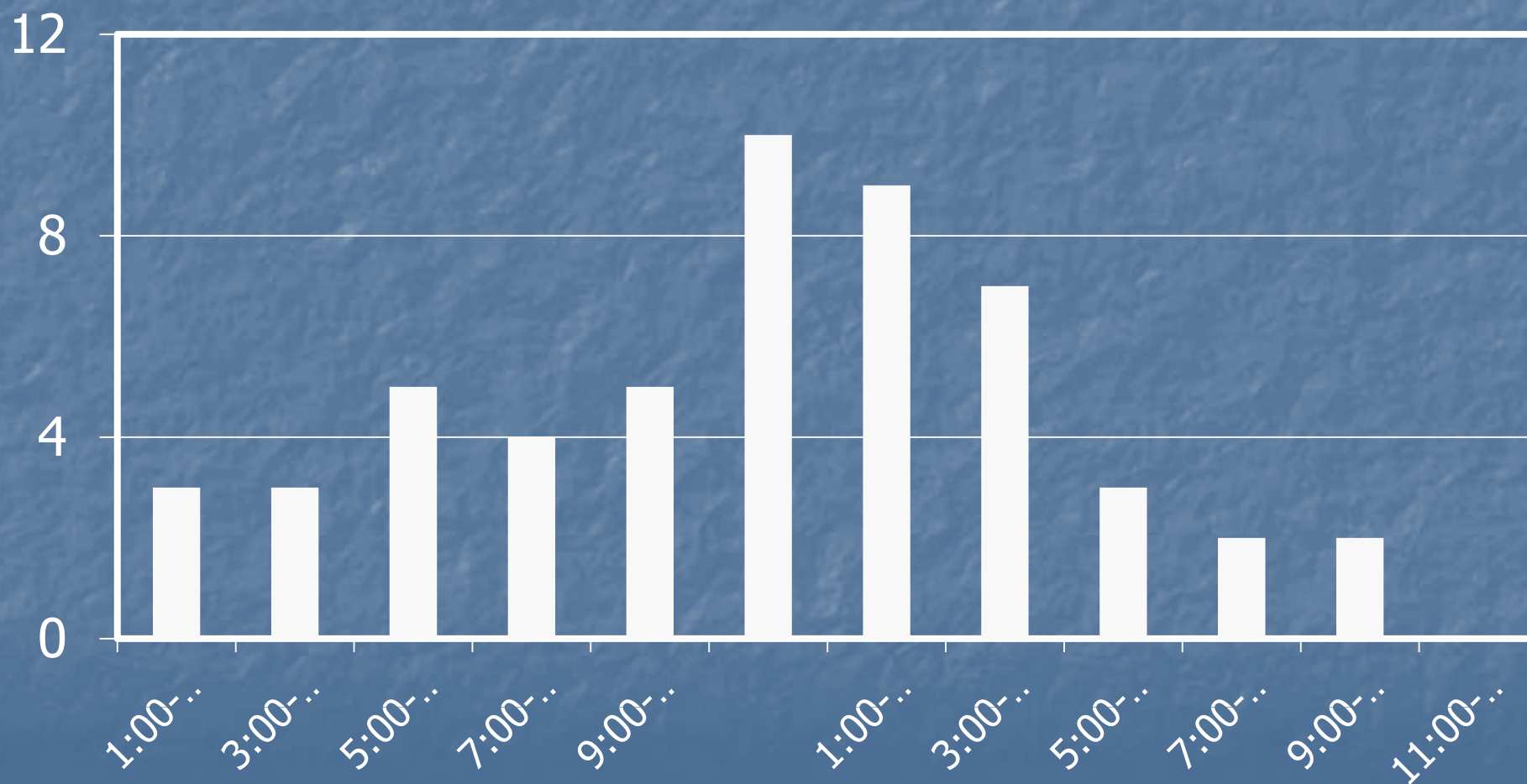
Incidents on Paved Roads by Industry



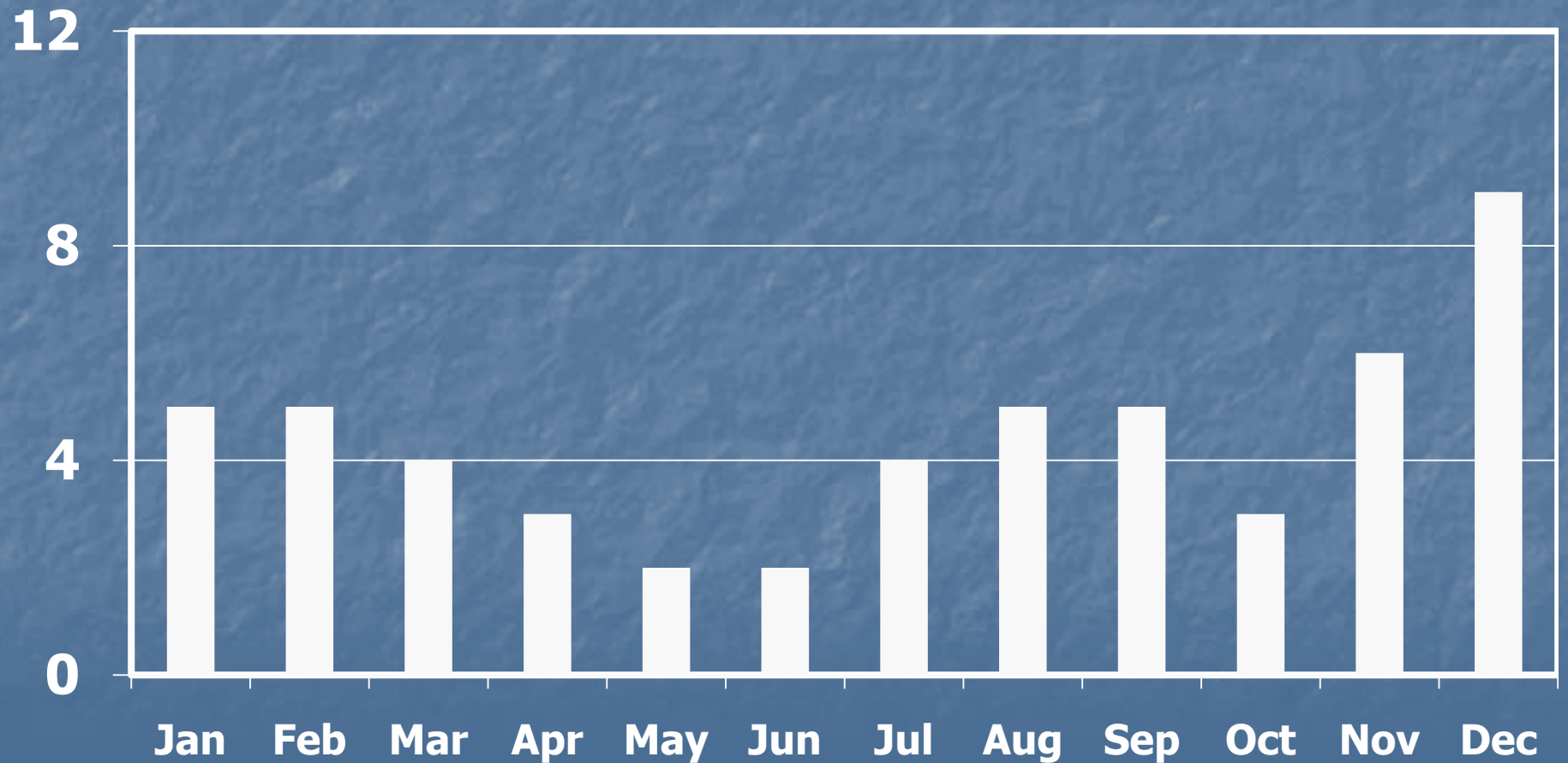
Primary Vehicle in Fatal Incidents on Paved Roads



Motor Vehicle Incidents on Paved Roads by Time



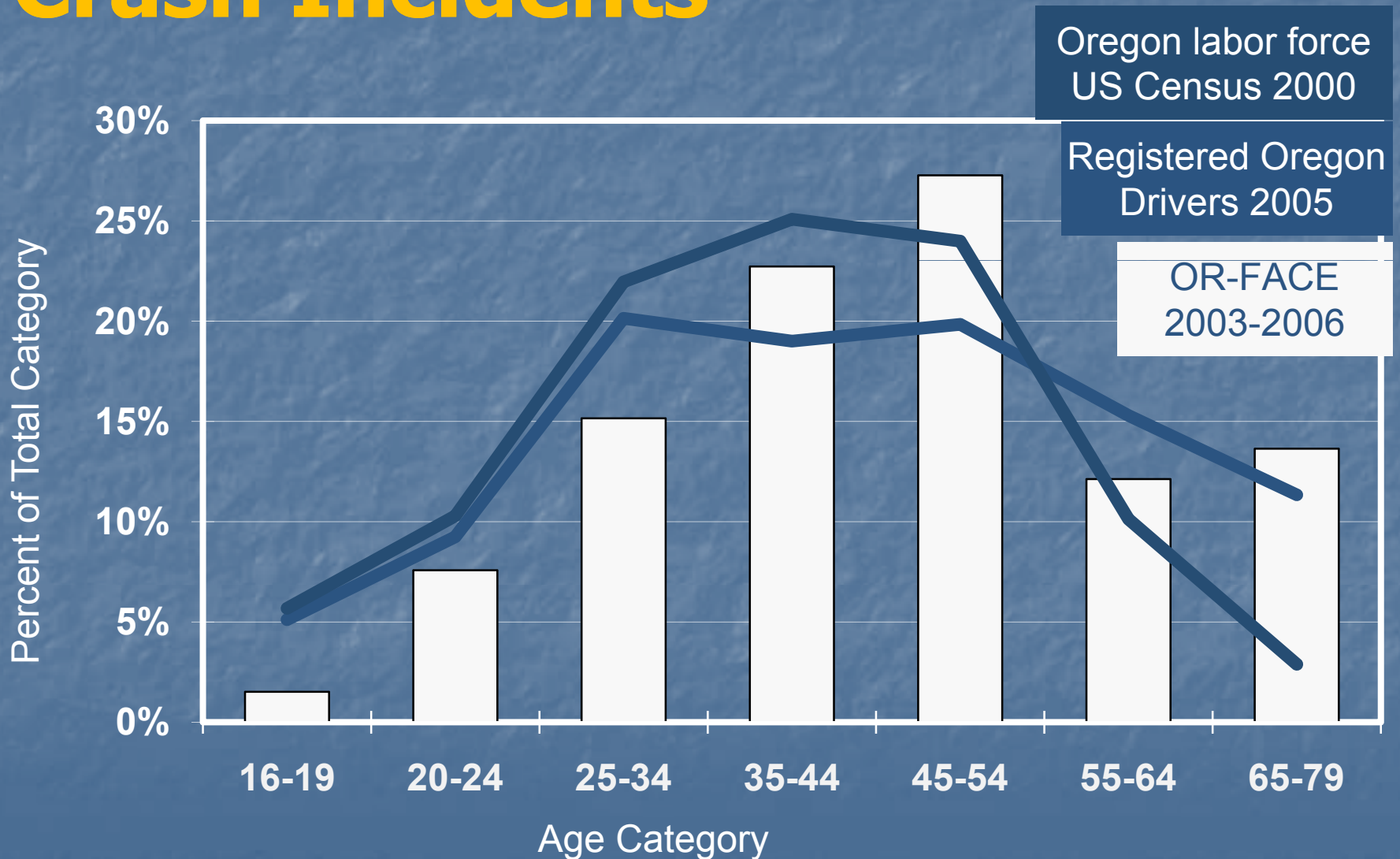
Motor Vehicle Incidents on Paved Roads by Month



Driver Intoxication

- **Alcohol consumption reported in 9 of 66 crash incidents (14%)**
Plus 1 report of cocaine
- **Drivers – paved road: 5 of 53 (9%)**
Most over legal limit of .08
- **Drivers – unpaved road 4 of 13 (31%)**
BAC .01-.03

Driver Age in Motor Vehicle Crash Incidents



Risk Factors in Motor Vehicle Fatal Incidents

- **Weather (ice, heavy rain)**
- **Fatigue**
- **Distraction (including cell-phone use)**
- **Alcohol use**
- **Speed**
- **Seatbelt not used**
- **Mechanical failure**
- **Bridge failure**

Other Incidents Involving Motor Vehicles

