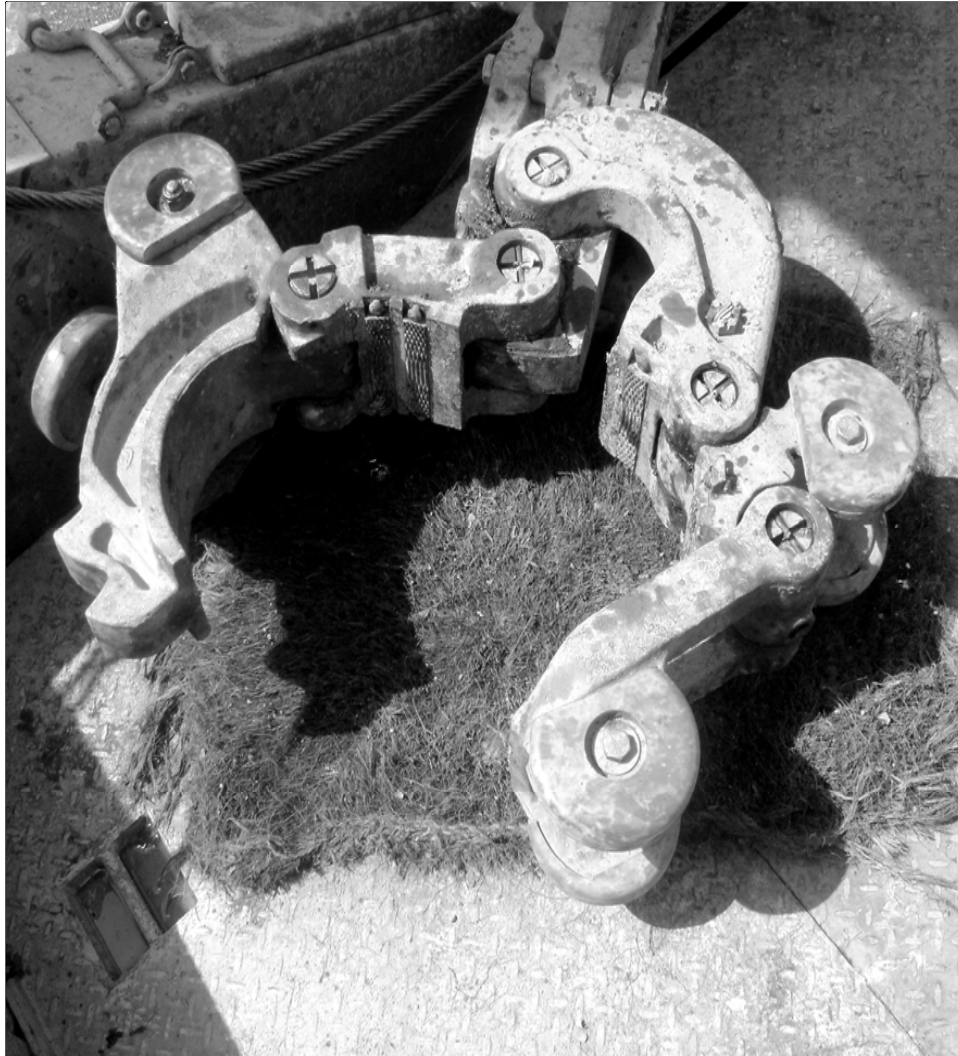


# Challenges in Oil and Gas Extraction



# Oil and Gas Extraction

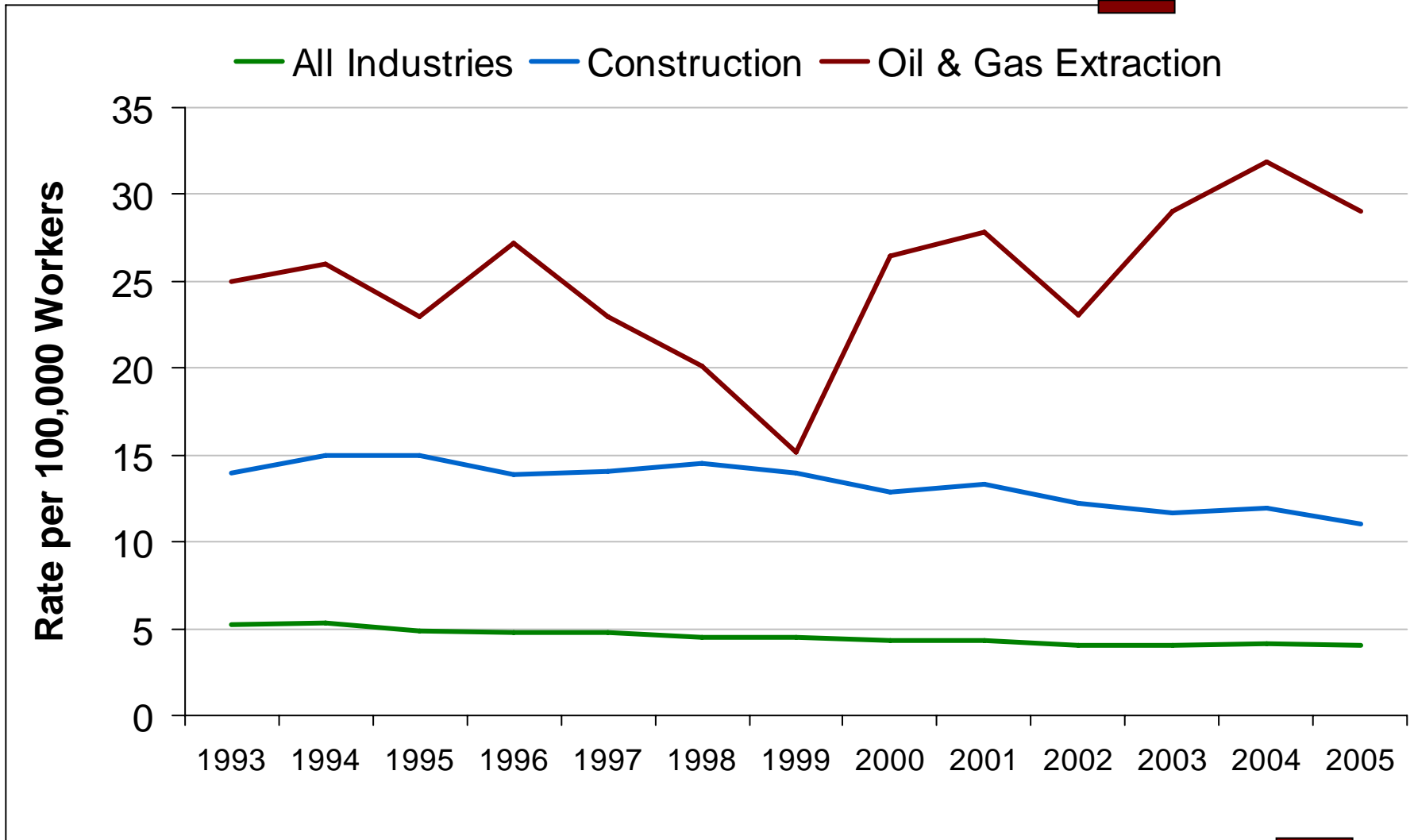


Drilling and service  
companies (E&P)  
– larger group than  
included in IADC data

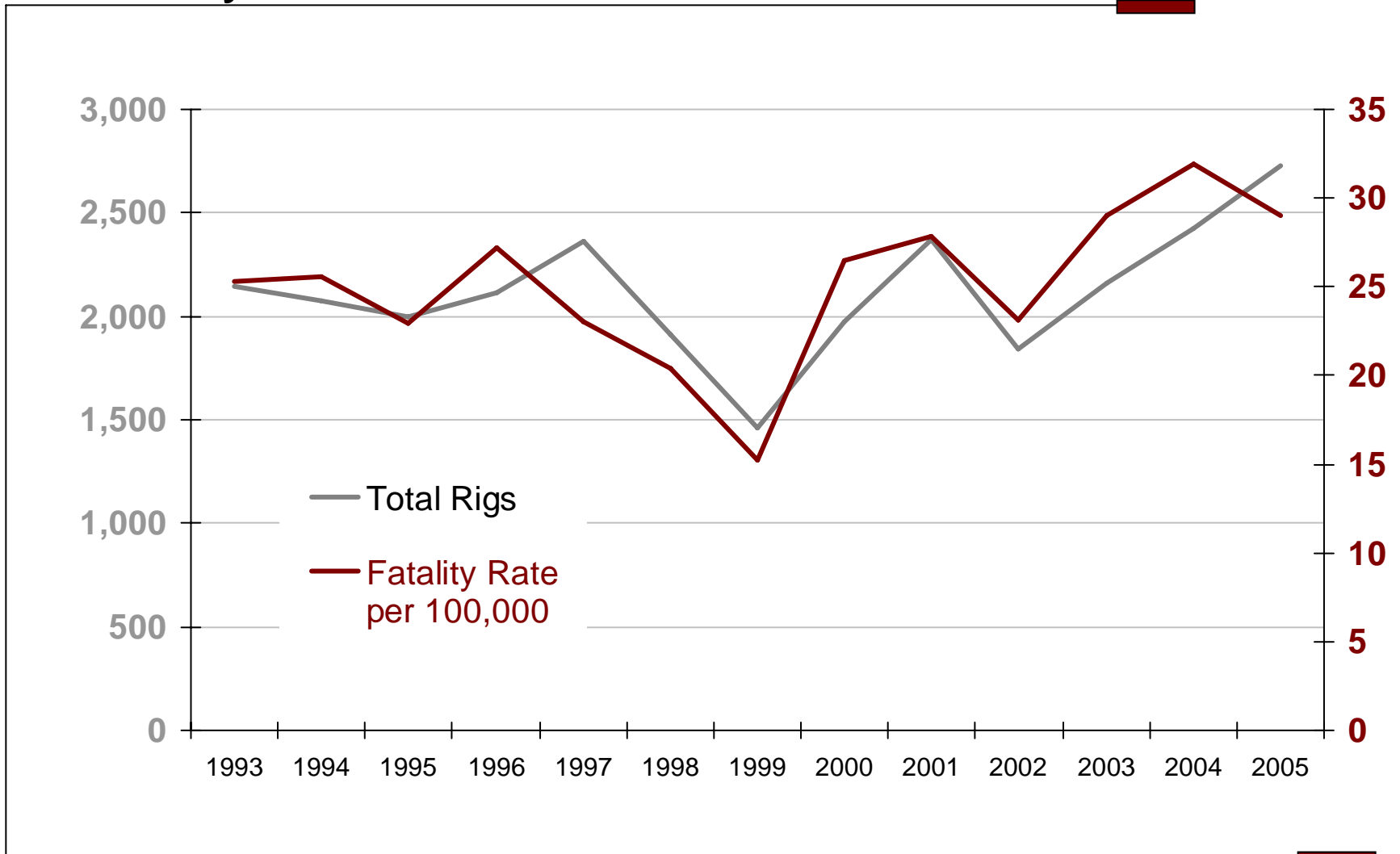
Includes over 300,000  
workers

Focus area for NIOSH

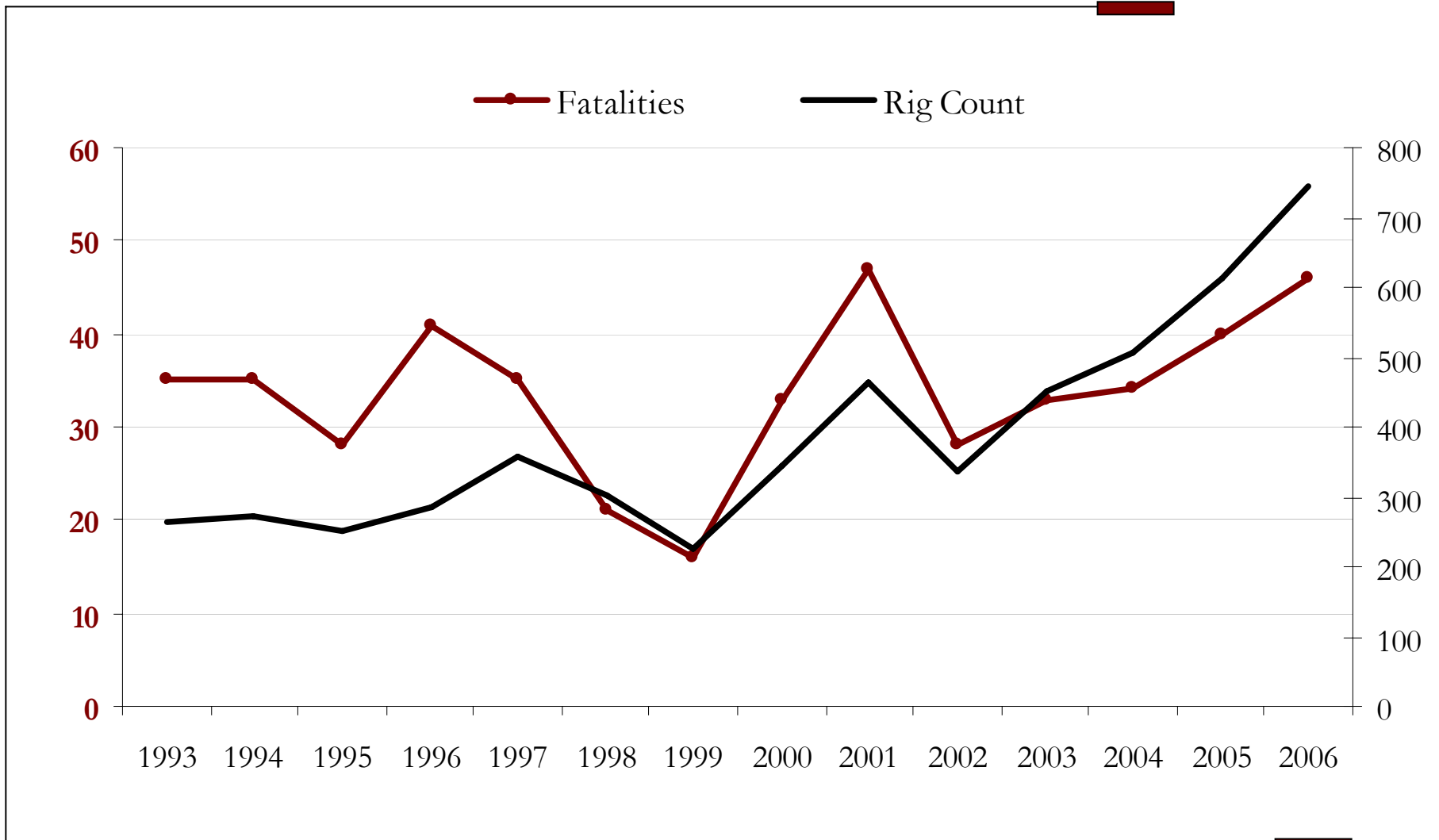
# National Fatal Injury Rates by Industry



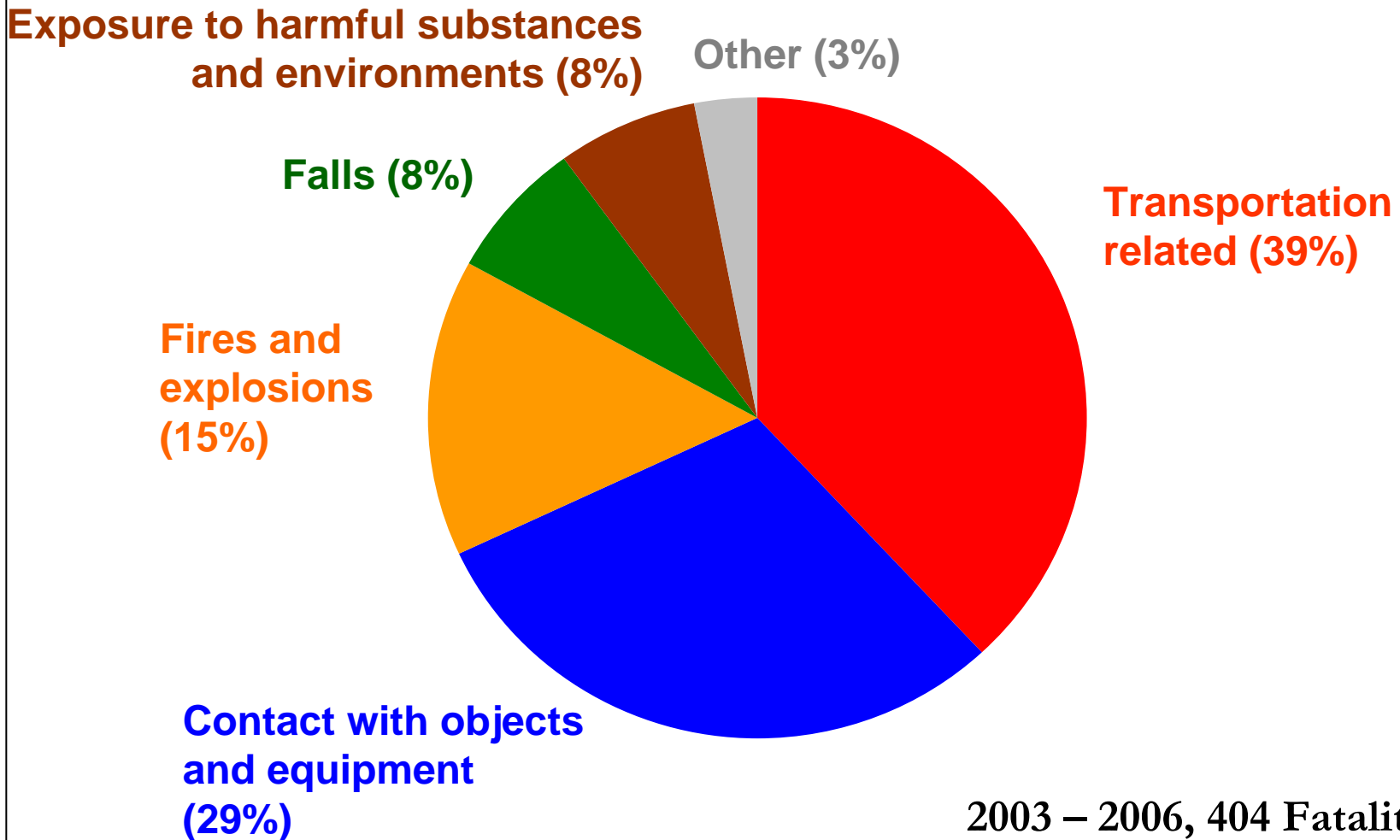
# Relationship Between Fatality Rates and Drilling Activity



# Fatalities and Drilling in Texas



# Types of Fatal Events



# Types of Fatal Events - Texas

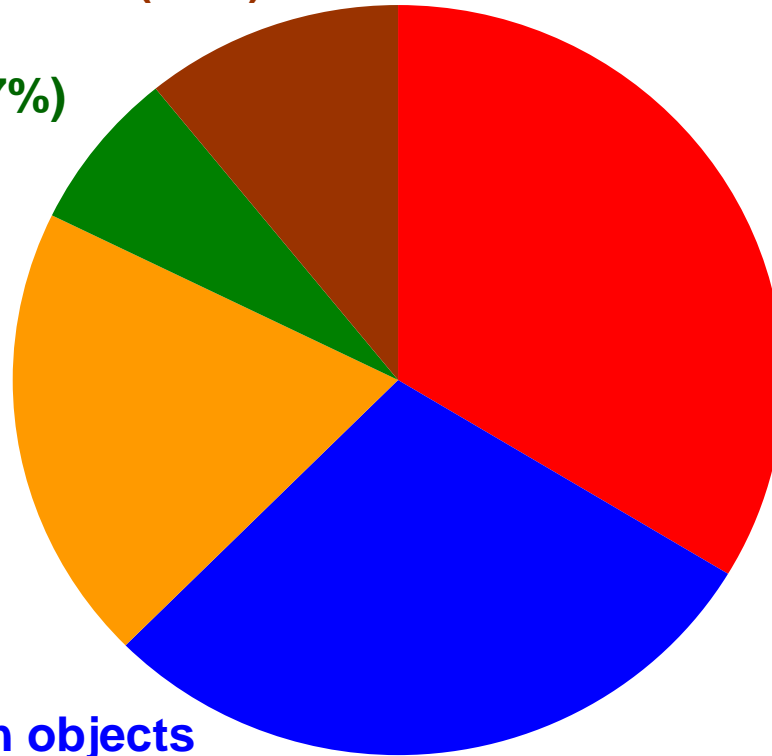
Exposure to harmful substances  
and environments (11%)

Falls (7%)

Fires and  
explosions  
(20%)

Contact with objects  
and equipment  
(29%)

Transportation  
related (34%)



2003 – 2005, 107 Fatalities

# Transportation Fatalities

- Mostly highway vehicle crashes (64%)
- Exposure – Halliburton alone >22million mi driven in DOT reg. vehicles in TX 2006
- No seatbelts
  - Over half of the fatalities in pickup or heavy trucks not wearing seatbelts
  - FMCSA survey found only 59% of CMV drivers wearing shoulder belts (2006)
- Common situation: leaving lane of traffic (across center divider or off roadway)

# Improving Motor Vehicle Safety



Prevent the crash  
Prevent the injury

Fatigue prevention  
Driver training  
Seatbelt use

## Commercial Truck and Bus Safety

Synthesis 8

### Commercial Motor Vehicle Driver Safety Belt Usage

A Synthesis of Safety Practice



TRANSPORTATION RESEARCH BOARD  
OF THE NATIONAL ACADEMIES



NIOSH Hazard Review

## Work-Related Roadway Crashes

Challenges and Opportunities for Prevention



DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health





# NIOSH Contacts



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## Web

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## Government Disclaimer

*The findings in this presentation have not been officially approved and thus do not represent NIOSH or government policy or recommendations.*