Public health strategies to prevent work-related injuries and illnesses in oil and gas extraction

A Western States Occupational Network (WestON) Symposium June 26, 2015 Cheyenne, WY

Sponsored by:

- Council of State and Territorial Epidemiologists
- CDC/NIOSH Western States Division
- Mountain and Plains Education and Research Center



Bob warms up the crowd



Background

 Had "carry-over" funds from previous WestON meetings

Worked with NIOSH
 OEP to identify and
 agree on OGE as an
 important western issue







A full day: 8am-5pm

Public health strategies to prevent work-related injuries and illnesses in oil and gas extraction (OGE)

Western States Occupational Network (WestON) Symposium Council of State and Territorial Epidemiologists (CSTE) CDC/NIOSH Western States Division Mountain and Plains Education and Research Center

> June 26, 2015 Little America Hotel, Chevenne, WY

7:30 am Registration

8:00 am Welcome/meeting objectives

Robert Harrison, California Department of Public Health/CSTE

Lee Newman, Director, Mountain and Plains Education and Research Center

8:15 am Introductions - All Attendees

Moderator - Meredith Towle, Wyoming Department of Workforce Services

8:45 am The big picture: People, places and processes in OGE

Moderator - Tracy Miller, North Dakota Department of Health

The ABCs of energy extraction

JD Danni, Oil and Gas Specialist, Federal OSHA Region 8

Demographics and data: What do we know? Kyla Retzer, CDC-NIOSH Western States Division

10:00 am Break

10:15 am

Health hazards and outcomes: Is there a problem?

Moderator - Yvonne Boudreau, CDC-NIOSH Western States Division

What we can (and can't) see can hurt us: Silica, VOCs and benzene

Eric Esswein, CDC-NIOSH Western States Division

Medical surveillance and health outcomes

Michael Kosnett, University of Colorado

11:30 am Lunch (on your own)

1:00 pm Collaborations: The carrot, the stick, and more

Moderator - Liz Dalsev, CDC-NIOSH Western States Division

State oil and gas partnerships that can work

Nathan Nordin, Wyoming Oil and Gas Industry Safety Alliance

OSHA Enforcement and Cooperative Programs

Herb Gibson - Area Director, Denver Area Office, Federal OSHA

An examination of workers' compensation claims data for the Colorado

oil and gas industry

Maggie Cook-Shimanek - Mountain and Plains Education and

Research Center

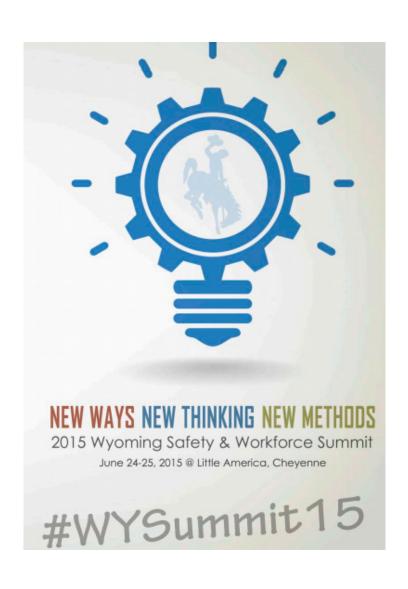
~40 Attendees

CA, CO, NC, ND, NM, SD, WY

State, NIOSH, OSHA, Academic

Industry, Coroner, Public Radio, Legislature

Meeting in tandem



Wyoming Workforce Safety & Development Summit

June 24-25, 2015

~300 participants

Prominent oil & gas industry

participation

Challenges identified

- High risk jobs with high fatality rates
- Responsible party: multi-employer worksites, subcontractors, small employers, independent contractors
- Dynamic workforce tough to reach/track/influence; transient

Challenges continued

- Completeness of data collection
- Employment peaks and valleys
- Latency periods for cancer, lung diseases



J.D schools us on the ABC's



Lee pays attention

Successes in recent years

- Decline in fatality rates over 10yrs
- Creation of multiple partnerships
- Improved tracking systems & efforts
- More topic specific reporting
- Development of engineering controls

Successes continued

- Characterizing silica, benzene and VOC exposures
- Targeted consultation & compliance
- Industry models of safety protection and

promotion



Eric reminds us of the BIG "S" and little "h"

Research gaps and next steps

- Theme # 1 Data & Reporting
 - Improve data collection and tracking
 - Promote existing prevention opportunities
 - Identify methods for health and chronic disease studies
 - Enhance field research: exposure assessment and

intervention evaluation



Kyla FOG'ing our minds with fatality data

Research gaps and next steps

- Theme # 2 Intervention
 - Develop, distribute and evaluate worker and employer training materials
 - Disseminate best practices and engineering controls to reduce exposures
 - Improve coroner and medical examiner protocols and health care provider recognition of work-relatedness

Follow-up

- Presentations Posted: CSTE Webinar Library
 - www.cste.org/?page=WebinarLibrary
- Evaluation summary...coming soon
- CSTE Oil & Gas Workgroup...coming soon
 - Env. & Occ. Collaboration
 - 21 people signed-up
- New connections abound!

