

**Western States Occupational Network (WestON) Fourth Annual Meeting
NIOSH/CSTE/MAPERC
September 22-23, 2011
Tivoli Student Union
University of Colorado Denver
Auraria Campus
Denver, Colorado**

Thursday - September 22, 2011

Room: Adirondacks (Room # 440) on Fourth Floor

8:00 Continental Breakfast

8:30 am Welcome

John Howard, NIOSH Office of the Director (video)
Robert Harrison, California Department of Public Health
Lee Newman, Mountain and Plains Education and Research Center

8:35 am Introductions – All Attendees

9:15 am Media and New Technology

Moderator: Liz Dalsey, NIOSH Western States Office

Social Media at NIOSH

Max Lum, NIOSH Office of the Director

Compelling Worker Health and Safety Messages Through Digital Storytelling

Laura Styles, California Department of Public Health

Evaluation of Social Media Campaign in Washington State

Eric Jalonen, Washington State Department of Labor and Industries

10:45 am BREAK

11:15 am Mini-workshops (*choose 1 of 3*)

A Menu of Options for Agencies Interested in Working with Students – Salomon Room (Rm 317)

Ken Scott and Karen Mulloy, Mountain and Plains Education and Research Center

Securing Fellows for Your State – Endlich Room (Room # 322)

Eric Jalonen, Washington State Department of Labor and Industries

Making the Best Use of the NIOSH OHI Database – Adirondacks (Room # 440)

Corey Campbell, NIOSH Western States Office

12:15 pm Lunch – provided in Adirondacks, second level (Room # 540)

Optional Presentation: Approaches to Research Translation – Salomon Room (Room #317)

Max Lum, NIOSH Office of the Director

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- 1:30 pm** **Research to Practice (r2p) in the West- Adirondacks (Room # 440)**
 Moderator: Robert Harrison, California Department of Public Health
- Research to Practice: What is it and how do we do it?**
 Charlotte Chang, University of California, Berkeley
- Construction Ergonomics: The challenges of moving from innovation to adoption**
 David Harrington, California Department of Public Health
- Project LeAD - Improving safety in construction by developing leaders**
 Krista Hoffmeister, Colorado State University
- 3:00 pm** **BREAK**
- 3:15 pm** **Employer Occupational Injury and Illness Recordkeeping: Interviews with
WA State employers**
 Dave Bonauto, Washington State Department of Labor and Industries
- 3:45 pm** **BREAK**
- 4:00 pm** **Mini-workshops (*choose 1 of 3*)**
- A Menu of Options for Agencies Interested in Working with Students – Salomon Room (Rm 317)**
 Ken Scott and Karen Mulloy, Mountain and Plains Education and Research Center
- Securing Fellows for Your State – Endlich Room (Room # 322)**
 Eric Jalonen, Washington State Department of Labor and Industries
- Making the Best Use of the NIOSH OHI Database – Adirondacks (Room # 440)**
 Corey Campbell, NIOSH Western States Office
- 5:00 pm** **ADJOURN**
- 6:30 pm** **Happy Hour and Dinner, Paramount Café, 519 16th Street, Denver, CO 80202**
Directions from the Embassy Suites Hotel:
 Exit hotel on Stout Street
 Turn right and walk 2 blocks to 16th Street
 Turn right on 16th Street
 Go 2.5 blocks, past California and Welton Streets
 The Paramount Café will be on your left across from the Pavilions Shopping Center
 If you reach Glenarm Street, you have gone too far

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**Friday, September 23
Adirondacks (Room # 440)**

- 8:00 am** **Continental Breakfast**
- 8:30 am** **Developing Partnerships Through Occupational Investigations**
 Moderator: Max Kiefer, NIOSH Western States Office
- E. coli 0111 at a Correctional Facility**
 Meredith Towle, Colorado Department of Public Health and Environment
 Steve Reynolds, Colorado State University
- Mycobacterium avium in Spa Workers**
 Stephanie Moraga-McHaley, New Mexico Department of Health
- Safety and Health Issues in the Collision Repair Industry**
 Carolyn Whitaker, Washington State Department of Labor and Industries
- 10:00 am** **BREAK**
- 10:30 am** **Safety Issues in the Renewable Energy Industry**
 Tom Bain, National Renewable Energy Laboratory, Colorado
- 11:00 am** **Mini workshop summaries**
 Ken Scott, Corey Campbell, Eric Jalonen
- 11:30 am** **Future directions and wrap-up**
 Robert Harrison, California Department of Public Health
- 12:00 noon** **ADJOURN**

SAVE THE DATE
WestON | September 20-21, 2012

Social Media - Max Lum

- Networking is key
- Social Media helps connect to the new networked world. Key aspect is sharing.
- 75% of users never scroll past search page results - therefore it is important to be seen.
- 93% of people have Facebook accounts-we need to think about this when developing marketing plans. It is where the people are.
- Other options
 - Flickr (facillates dialogue that is picture based)
 - YouTube
 - QR code
- Wikipedia is also highly popular-we need to be inside it (it is where the people are going)
 - Wikipedia is very strong tool in driving users to your website.
- Twitter-25% of twitter users have no followers but the average has 27 followers. Usually 10% retweet. If have 100,000 and 10% retweert, you will reach a lot of people.
- Important to *manage* your communication tools.

Laura Styles (with digital storytelling group) - Digital Storytelling

Fatality control and control evaluation (FACE)

- FACE Reports along with flash and alert
- FACE fact sheet
- Digital stories complements written materials
 - 3-4 minutes, video, pics, music
 - Important to write short and write well
 - Appeals to younger workers
 - Captures and recreates stories.
 - 7 key elements
 - ▶ Point of view
 - ▶ Dramatic questions
 - ▶ Emotional content
 - ▶ Gift of voice
 - ▶ Music
 - ▶ Pacing

- Stories are personnel

Eric Jalonen- Evaluation of the **Work Safe, Home Safe** social marketing campaign

- Key Message-it is important to be safe at work because it will keep you safe so *you can go home* to your family
- Originated in Australia
- Incorporates stories (personnel ties)
- If found effective, majority of people were more willing to take action
- Also, increased discussion of workplace safety
- May also improve public image of the industry/company
- Strength: Novel and cost effective (adapted from other developed materials)
- Weaknesses: But, evaluation uses phone survey, limited analysis, and WA has lack of diversity represented.

Making the best use of NIOSH OH indicator data - Corey Campbell OHI's

- Measure baseline health of working populations and track over time
- Data collection tool
 - Based on CSTE's document *how to guide*
 - MS Access
 - Template for inputting raw data for all 20 indicators
 - Calculates rates and percentages per how to guide (along with reports and user defined parameters)
 - Can import from excel
 - Does not automatically obtain data and does not interpret data.
 - Demo of tool
 - Currently in pilot testing-expected to launch in December on CDC and CSTE websites.
 - Works with your *own* states data
 - Tool can be updated as new indicators are developed.

Research to Practice - Charlotte Chang

- Community based participatory research
- Results
 - Less than min wage
 - Injuries
 - Poorer health
 - Other results...

- Led to increased communication to the community irked and workers- as well as enforcement of paying workers \geq min wage.
- r2P Initiative
 - Research pathways
 - Partnerships for prevention
 - Resources
 - Communications
- Wrapping up first year

Construction Ergonomics - David Harrington

- Intervention for overhead construction drilling
- Reduce drilling fatigue and reduced productivity
- measured factors when compared to improved device
 - Productivity was about the same except when used over long period of time
 - Less fatigue and pain
 - Improved social posture
 - Small improvement in head extension
 - Improved hand force drilling
 - Antecedotal evidence (positive reviews)
 - captures silica dust
 - Less ladder use/less risk falls
 - Some noise reduction
 - Works in scissor lift
- Adoption and production have their own set of issues, etc.
 - Challenges
 - Lack of expertise in marketing
- Six prong Diffusion approach
 - Find manufacturer
 - Define audience
 - Specialty contractor tool
 - Targeted outreach to stakeholders
 - Recruit early adopters
 - Develop training modules
 - Partner with manufacturer
- Recommendations
 - Strong incentives
 - Include outside sector/organizations
 - License to private sector and let the market forces happen

- Include clearing centers like CPWR
- Difficult to take the new solution and to get it on the market

Project LeAD - Krista Hoffmeister

- Rationale
 - Why do job accidents occur?
 - ▶ Job design
 - ▶ Employee behavior, lack of training
 - ▶ Lack of motivation
 - ▶ Leadership
- 5 year plan
 - Year 1
 - ▶ Focus groups and surveys
 - Year 2
 - ▶ Develop training program
 - 7 weeks
 - Once per week for two hours, homework
 - ▶ pilot of LeAD
 - Year 3
 - ▶ Revise, refine
 - future
 - ▶ Refine, integrate, and disseminate
- Will include evaluation

Employer occ injury and illness record keeping - David Bonauto

- Discrepancy between BLS and WA workers compensation
- OSHA RECORD keeping processes

E.coli - M.Towle & Stephen Reynolds

- State Correctional Facility, April 2010
 - Work center and training
 - 500 inmates
- Three initial cases of bloody diarrhea
 - positive for STEC
 - Prior history of STEC at facility
 - Illness prevalence study
 - No compatible illness in other centers or staff
- 8 confirmed cases, 18 prevalence
 - One of initial cases was a dish washer-therefore PH notified

- Person to person outbreak associated with food prep/handling
 - Lack of hand soap-had to buy *own*
 - Dairy workers wore work clothes into prep area, brought soiled coolers into kitchen
- July 2010-two more cases
 - Found five ill food handlers
 - Found three positive fecal samples
- Occupational site visit
 - Focused primarily on administrative, work flow, and low cost PPE modifications
 - ▶ Training, PPE use
 - ▶ Hand washing/sanitizers (which is a controlled substance at the prison)
 - Establish and designate contamination, transition, and clean zones
 - Developed comprehensive recommendations for the facility
 - AgriSafe Network
 - ▶ Health professionals in different sttes who provide OH to framers and families.

Mycobacterium Avium investigation in spa workers - Stephanie Moraga-McHaley

- New Mexico, multi agency effort
- Identified two cases of hypersensitivity pneumonitis (HP) with Mycobacterium Avium complex
 - Same employer and related
- Cannot spread human to human. Most exposure is via inhalation.
- Investigation
 - ▶ Tub cleaner had highest number of symptoms.
 - ▶ Non exposed had fewest mean symptoms.
 - ▶ OSHA enforcement
 - 10 citations, 9 serious
 - Lack of PPE, unsanitary respirators, no fit testing, no training, etc.
 - ▶ NM EH Investigation
 - Wrong water samples, excess disinfectant
 - ▶ Recommendations
 - Made series of recommendations
 - No wood tubs, use halogen disinfection, several others

Partners in Collision Repair - Carolyn Whitaker

- Isocyanate Exposure (aerosolized paint)
 - Occupational asthma

- Skin contact may lead to respiratory sensitization
- Clear coat is highest exposure
- Research goal 1
 - To find gloves and coveralls that are protective
 - Unable to replicate conditions to study coveralls because they are reused
- So many partners involved with one PPE and one chemical
- Highlighted partner development, relationships, and how many partners are needed.

EHS in renewable energy industry - Bain

- Renewable energies vs fossil fuels
- Biggest risk to fossil fuel workers is from extraction
- Average deaths due to extraction
 - 100 deaths oil/gas
 - Coal - 30 deaths
 - Elimination of fuel extraction may eliminate 1300 deaths in next decade

sources: <https://cdn.ymaws.com/www.cste.org/resource/resmgr/OccupationalHealth/WestON2011AgendaFinal.pdf> (pages 1-3) and https://cdn.ymaws.com/www.cste.org/resource/resmgr/OccupationalHealth/2011_Notes_Summary.pdf (pages 4-10)