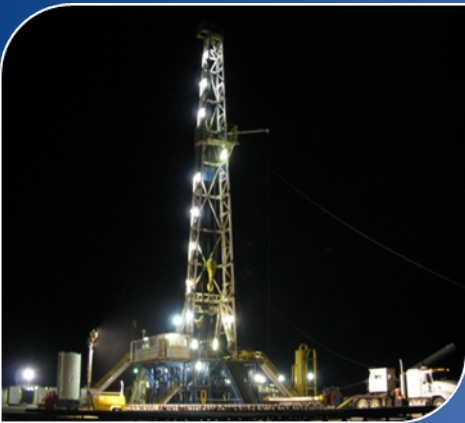


Updates from the NIOSH Office of the Director

Margaret M. Kitt, MD, MPH
WestOn Meeting
September 2013



Yesterday and Today You Heard About.....

- American Indian/Alaska Natives Initiative
- Total Worker Health Update
- Western States/Spokane Mining Initiative

NIOSH Data and Statistics Gateway

- NIOSH-generated public-use research datasets available for download
- Access to surveillance, statistics and other NIOSH data
- Helps NIOSH achieve transparency-related goals as established by the White House

<http://www.cdc.gov/niosh/data/>



NIOSH Data and Statistics Gateway

Data are fundamental to worker safety and health research and surveillance conducted at NIOSH. They drive health and safety research priorities and recommendations produced by NIOSH. The data produced and used by NIOSH can also benefit other researchers and practitioners as well as the general public. This NIOSH Data and Statistics page has been developed to provide centralized access to NIOSH data. It can be used to find available NIOSH data and statistics and resources in a variety of forms. See data definitions to easily identify data types. The NIOSH Data A-Z index below categorizes topics for which data are available.



- Email page link
- Print page
- Get email updates
- Subscribe to RSS
- Listen to audio/Podcast

Contact Us:

[National Institute for Occupational Safety and Health \(NIOSH\)](#)

Centers for Disease Control and Prevention

800-CDC-INFO
(800-232-4636)
TTY:
(888) 232-6348

New Hours of Operation
8am-8pm ET/Monday-Friday
Closed Holidays

[Contact CDC-INFO](#)

Research Data

Data collected in NIOSH studies and tools to aid coding in research and surveillance studies.

[Research Data](#)

Surveillance Data

Access to a range of CDC/NIOSH surveillance resources. Can be used as a central checkpoint for the latest NIOSH surveillance data and statistical resources as well as historic NIOSH surveillance information.

[Surveillance Data](#)

Other Data Resources

Systems that provide information about NIOSH investigations, products, hazards, and a variety of tests and measurements.

[Other Data Resources](#)

NIOSH Data A-Z Index:

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Non-NIOSH Data Resources

This is a listing of non-NIOSH resources that also make data available to the public. These resources include NIOSH partners along with external agencies and other groups.

[Non-NIOSH Data Resources »](#)

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Email Print Updates

Page last reviewed: September 18, 2013

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Content source: National Institute for Occupational Safety and Health Office of The Director

Current Intelligence Bulletin

NIOSH
Current Intelligence
Bulletin

**Occupational Exposure to
Carbon Nanotubes and Nanofibers**



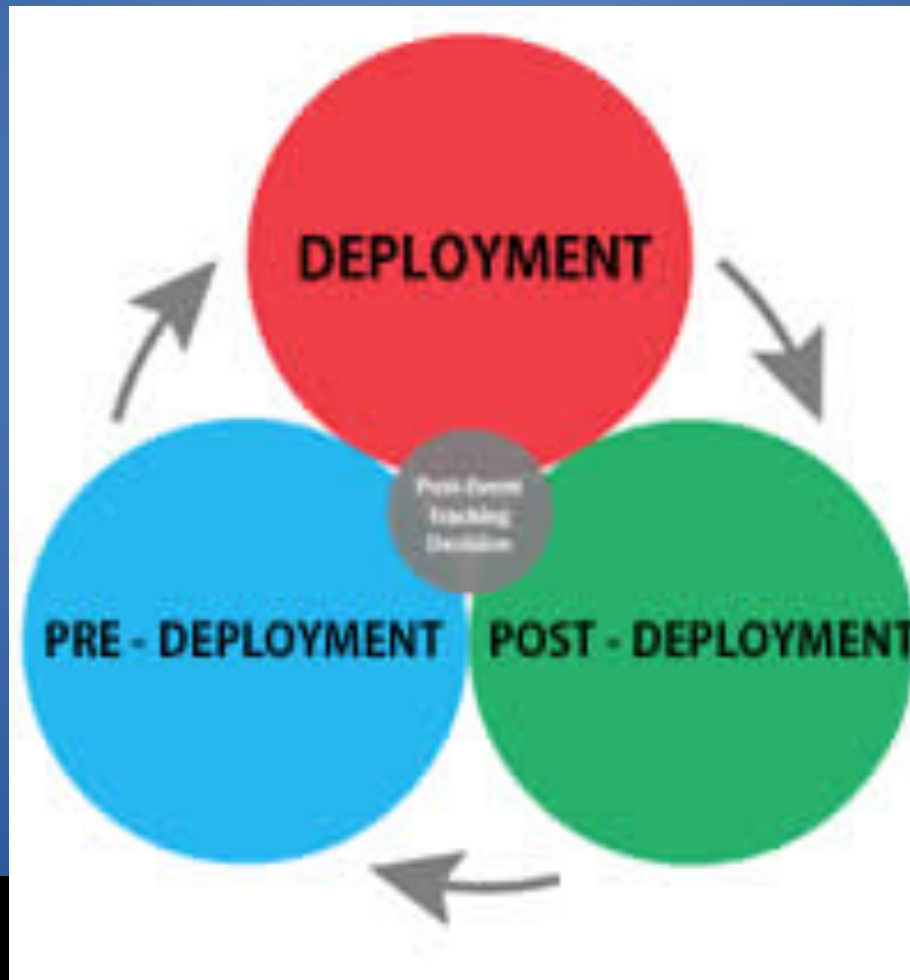
DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

April 2013

[http://www.cdc.gov/
niosh/docs/2013-145/](http://www.cdc.gov/niosh/docs/2013-145/)

Emergency Responder Health Monitoring and Surveillance (ERHMS)

<http://www.cdc.gov/niosh/topics/erhms/>



ERHMS Goal

Develop a health monitoring and surveillance framework for the prevention of illness and injury to emergency responders, which addresses all phases of a response, including pre-deployment, deployment and post-deployment phases



NRT

Emergency Responder Health Monitoring and Surveillance

National Response Team Technical
Assistance Document (TAD)

January 20, 2012



Chair



Vice Chair



Member Agencies

NRT

Emergency Responder Health Monitoring and Surveillance (ERHMS):

A Guide for Key Decision Makers

February 6, 2012



Chair



Vice Chair



Member Agencies

Training Development

- Online full course (4 one-hour modules)
 - CDC Train website
 - Hosted on emergency.cdc.gov
 - CE credits: CME, CNE, CEU's, etc.

- IS-930: Emergency Responder Health Monitoring and Surveillance (ERHMS) System: Leadership Training (1 one-hour module)
 - FEMA website
 - CEU's only
 - <http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-930>



Software Development



NIOSH Center for Workers' Compensation Studies

Strategic Goal 1: Use workers' compensation (WC) data to identify and track work-related health conditions

Understand the use and limits of WC data for public health

Identify trends in work-related injuries-illnesses

Strategic Goal 2: Understand and reduce risk factors for injuries/illnesses through economic and intervention research

Contact: Steve Wurzelbacher
srw3@cdc.gov

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

CWCS
CENTER FOR WORKERS' COMPENSATION STUDIES

Integrated Safety-Health Program



*Reduce Injury/
illness
frequency*

LOSS PREVENTION

*Reduce Injury/
illness severity*

LOSS REDUCTION

CWCS Activities to Date

- Established virtual center with researchers across NIOSH Divisions
- Web page
<http://www.cdc.gov/niosh/topics/workercomp/cwcs/>
- Publishing WC primer for public health professionals
 - Introduction to complex data and systems
- Offered support to NIOSH Programs:
 - All Sectors and Health Cross-Sectors
 - Total Worker Health
 - Center for Motor Vehicle Safety
 - Prevention through Design, Surveillance and Economics

CWCS Next Steps

- **Encourage internal and external WC research studies**
 - Identify priority areas for proposals
- **External outreach**
 - Develop work groups aligned with CWCS goals
 - Surveillance (State outreach)
 - Prevention Effectiveness
 - Total Economic Impact
 - Disability Management
 - Conduct 1-2 webinars per work group per year
 - Plan 2015 3rd NIOSH WC Workshop

CWCS Next Steps

- **FY14-15 internal funding for fellow position and data management**
- **Continue analyses of Ohio BWC data**
- **Collaborate on specific projects**



Failed State:
The Sources of
Pakistan's Chaos

The Unseen
Struggle of
Autistic Adults



Summer Arts Preview:
From Harry Potter
To Thomas Pynchon

TIME

The Future Of Work



Throw away the briefcase: you're not going to the office. You can kiss your benefits goodbye too. And your new boss won't look much like your old one. There's no longer a ladder, and you may never get to retire, but there's a world of opportunity if you figure out a new path. Ten lessons for succeeding in the new American workplace.

The Changing U.S. Workforce and Workplace

The Changing U.S. Workforce

- Aging workforce
 - Staying in the workforce longer
 - Multiple careers
 - Increased prevalence of chronic conditions
- Less unionized
- Increasing diversity
 - Less homogeneous needs





"What we are looking for is somebody about twenty five with forty years' experience."

The Changing U.S. Workplace

- **Shift from manufacturing base to services sector**
 - Includes some geographical shifts
- **Increased automation**
 - More sedentary work
- **Telecommuting**
 - Less contact with co-workers

The Changing Workplace

- **Extended hours**
 - Fatigue issues
 - Impact on families
- **Contingent workers**
 - More likely to be young, female, black or Hispanic, and have lower incomes and fewer benefits*
- **Job insecurity**

* According to the Bureau of Labor Statistics

Safe, Skilled, Ready Workforce Initiative



<http://www.cdc.gov/niosh/Safe-Skilled-Ready/default.html>

The Need

Need for a *skilled* and *healthy* workforce

- Growing concern about the skills gap in the U.S. economy
- Shortage of workers for middle skills jobs undermining U.S. competitiveness

A Missing Life Skill

Hard / basic skills (the three Rs +)	Soft / life / applied skills
<p>Reading</p> <p>Writing</p> <p>Arithmetic</p> <p>Government/Economics</p> <p>Science</p> <p>Humanities/Arts</p> <p>Foreign Language</p> <p>History/Geography</p>	<p>Critical thinking/problem solving</p> <p>Oral and written communication</p> <p>Teamwork / collaboration</p> <p>Diversity</p> <p>IT application</p> <p>Leadership</p> <p>Creativity / innovation</p> <p>Lifelong learning /self direction</p> <p>Professionalism / work ethic</p> <p>Ethics / accountability/social responsibility</p> <p>Flexibility / adaptability</p> <p>Appropriate health & wellness choices</p> <p>→Skills to contribute to a safe and healthy workplace?</p>

Sources: Conference Board; 21st Century Skills Framework

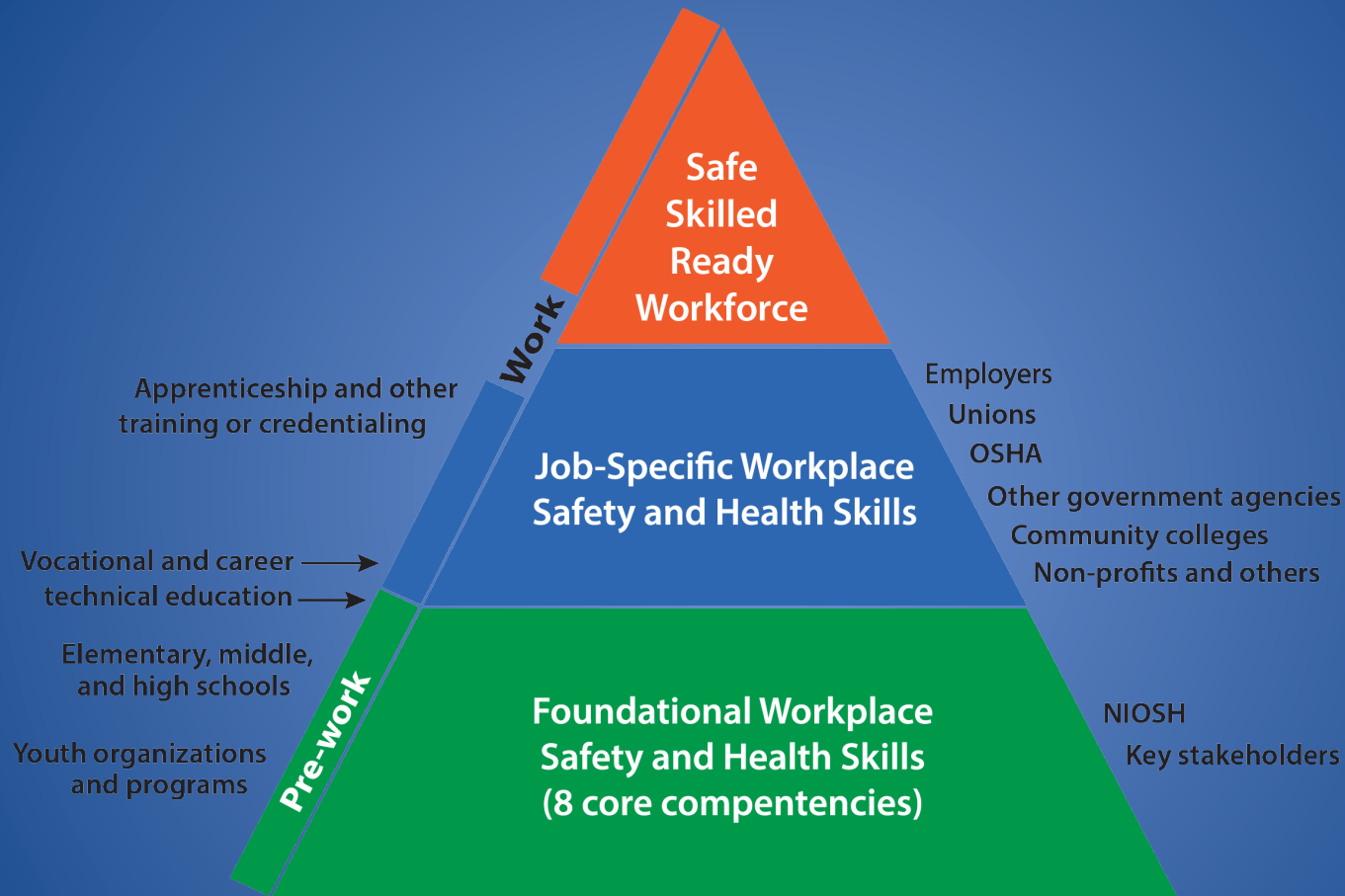
The Safe·Skilled·Ready Workforce Initiative

- Promotes workplace safety and health as a missing “life skill”
 - Complements existing work readiness skills frameworks and training programs
- Promotes generalizable, transferable workplace safety and health skills
- Based on 8 core competencies

The Role of NIOSH

- Many technical, vocational, apprenticeship, on-the-job, and other work-related training programs teach workplace safety and health skills
- NIOSH and partners can help integrate this missing life skill into all education and career pathways

Safe, Skilled, and Ready



NIOSH SAFE • SKILLED • READY WORKFORCE

Basic workplace safety and health skills (the 8 core competencies) are the foundation for a lifetime of safe and healthy work.

Pathway #1: Education Pathway

NIOSH Young Worker Curriculum project

- Develop new curriculum, aligned with CDC's National Health Education Standards and the Common Career Technical Core
 - Conduct demonstration projects in three states (CA, NY, OR)
 - Create an online assessment tool and certificate
- Explore ways to move up (to community colleges) and down (to elementary schools) with the competencies/curriculum

What is *Talking Safety*?

Free NIOSH curriculum that teaches work readiness skills to middle and high school students



YOUTH @ WORK

Talking Safety

**A Safety & Health Curriculum
for Young Workers**

California Edition



Pathways #2 and #3

- **Business and Labor Pathway**
 - Develop recommendations to merge the initiative with current, work-readiness programs
 - Make a business case to employers for the benefits of integrating core competencies—and the costs of not doing so
- **Health Pathway**
 - Integrate 8 Core competencies into health education (as part of *Safety and Injury Prevention*)
 - Pediatricians and family practice physicians
 - Make workplace safety and health part of communication with young people

Window of Opportunity

- **Workplace safety and health should be part of the national conversation on jobs and the future of the workforce.**
- **Not preparing a safe, skilled, and ready workforce results in:**
 - **More workplace injuries and illness**
 - **Higher health care and related costs**
 - **Lower productivity**
 - **Loss of economic viability and competitiveness**



Thank You

