Workplace Safety and Health
Occupational Safety and Health Act of 1970

- NIOSH (DHHS / CDC)
  - Research
  - Recommendations
- OSHA (DOL)
  - Regulations
  - Enforcement
Every Day in the USA ...

- 9,000 workers in ER
  - 200 hospitalized
- 12,000 workers - lost-time
- 685 workers develop work-related diseases
- 134 workers die from work-related diseases
- 16 workers die from injury

Workplace Safety and Health
Economic Burden

- Employer workers’ compensation costs totaled $81 billion in 2003
- 100% return on investment in workplace safety and health
A collaborative process between NIOSH and partners combining the generation of knowledge with the adoption of knowledge in the workplace to reduce worker injury and illness.
How to accomplish r2p

- Prioritize
  - Assess needs within the NIOSH programs

- Partner
  - Collaborate throughout the project
How to accomplish r2p

- **Target**
  - Customize to a specific audience

- **Translate**
  - Transfer knowledge, technologies and interventions to an intended audience
How to accomplish r2p

- Disseminate
  - Move knowledge, interventions, and technologies into the workplace to influence adoption

- Evaluate
  - Determine effectiveness
Agriculture, Forestry & Fishing

- Preventing death and injuries with built-in roll-over protection.

- Preventing injuries and fatalities by using an automatic e-stop device on fishing boats.
Construction

- Protecting workers from falls through improved sizing of fall arrest harnesses to better accommodate the diverse sizes and shapes of today’s workforce.

- Preventing exposures to asphalt fumes with emission controls.
Healthcare & Social Assistance

- Preventing back injuries with patient lifting devices
- Collecting wipe samples in the pass-through area of a pharmacy where antineoplastic drugs are being prepared
Manufacturing

- Preventing flavoring-related lung disease from exposure to flavorings
- A worker wearing personal protective equipment to prevent exposure to lead
Mining

- Preventing hearing loss in mines with the use of a continuous mining machine

- The Coal Workers’ Health Surveillance Program helps recognize Black Lung disease in miners allowing them to receive no cost health evaluations.
Sampling methamphetamine levels in a former clandestine lab to prevent exposure to first responders.

NIOSH provides a process that respirator program administrators can use to select appropriate respirators to protect workers in specific workplaces.
Transportation, Warehousing & Utilities

- Reducing the number of work-related aircraft crash fatalities by collaborating with industry and local communities in Alaska

- Digital security camera head mounted over the rear-view mirror in a taxicab to prevent violence against taxicab drivers
Wholesale & Retail Trade

- Preventing musculoskeletal disorders with no-lift check stands

- Retail stores are usually organized, well spaced, neat, and designed with the safety of the customer and employees in mind
Questions / Contact

- Email us at ResearchtoPractice@cdc.gov
- See our website at: http://inside.niosh.cdc.gov/r2p/
  - R2p in Action (Success stories involving translation)
  - Partnership Opportunities