



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



Economic Burden

- Employer workers' compensation costs totaled \$81 billion in 2003
- 100% return on investment in workplace safety and health

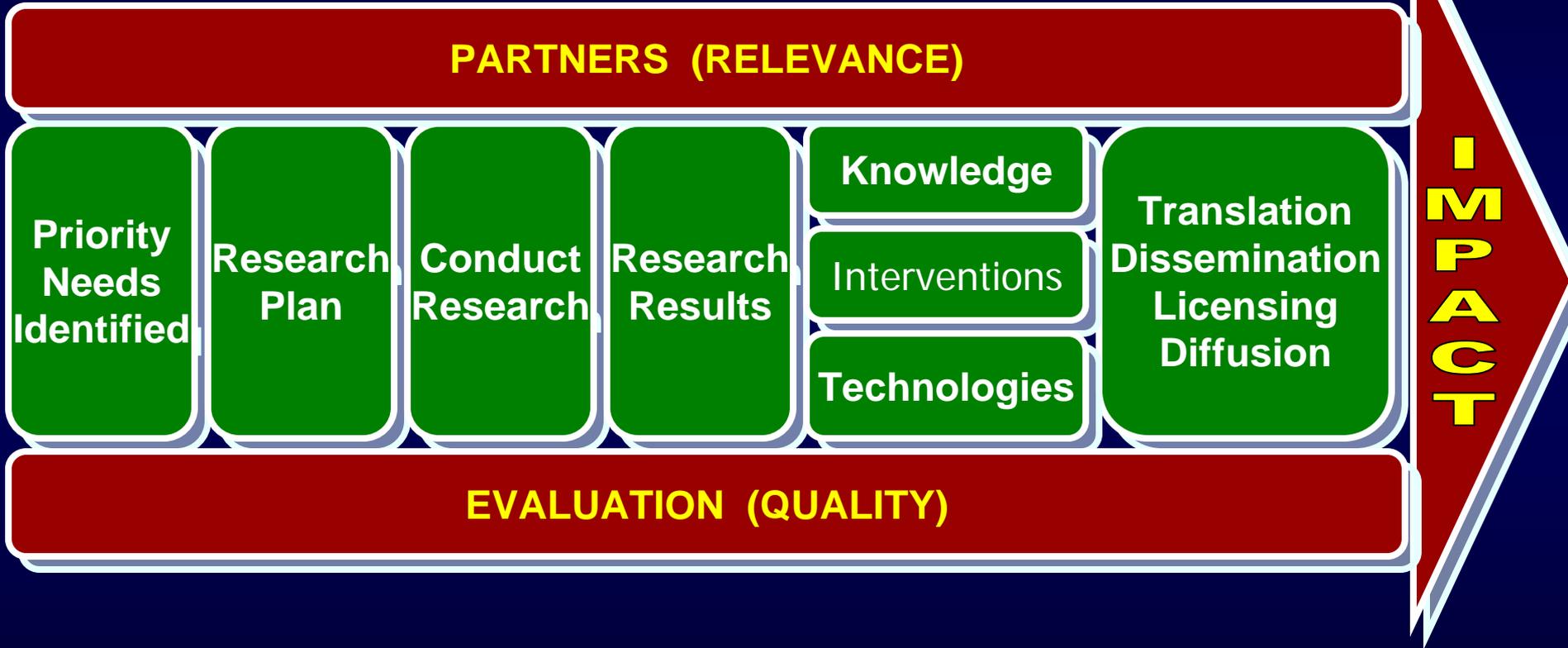




r2p

- 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.

r2p Process



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.

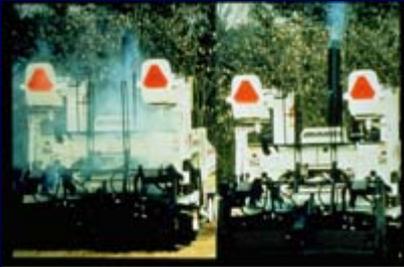


- Preventing injuries and fatalities by using an automatic e-stop device on fishing boats.

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

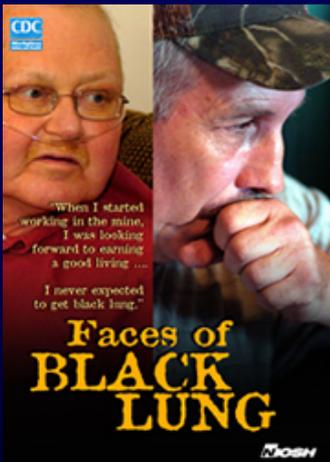


- A worker wearing personal protective equipment to prevent exposure to lead

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.

Services



- 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