

PPE Surveillance Intervention Studies FY13 (927PP16)

Objectives

- 1) Evaluate and identify methods to improve respirator use in the construction industry. Evaluate the interface of respirators with other PPE. Identify shortcomings in current respiratory protection programs and develop potential interventions. Evaluate interventions for utility and acceptance as judged by contractors/workers.
- 2) Continue information dissemination and education about respirator use and practices. Includes presentations at conferences, trade associations, trade and peer-reviewed publications. Can include NIOSH Occupational Safety and Health Education and Research Centers (ERC).
- 3) Develop, evaluate, and analyze data from surveys related to PPE such as the BLS/NIOSH Survey, NEWS, USDA Farm Safety, Veterans' Affairs, Women & PPE, NHANES.

Project Scope 2007- 2013

- Visit ARTBA sites – initial visit, interventions, and evaluations
- Develop and evaluate other surveys related to PPE use
- Disseminate information and provide education about respirator programs

Milestones FY13

- Visited 4 NDA/2 large ARTBA cos. & protocol approved 06/07
- Visited 13 small ARTBA companies during 2007-2012.
 - Visited 26 sites and air sampled at 23 sites
- Safety director/foremen are keys to respirator programs
- Intervention strategies and effective construction programs may be leveraged to improve respirator use in other industries

Applicable Standards

- OSHA 29 CFR 1910.134/ANSI Z88.2 for respiratory protection
- NIOSH 42 CFR Part 84
- OSHA 29 CFR 1910.132 – PPE

Stakeholders/Target Audience

- American Road and Transportation Builders Association (ARTBA)
- National Demolition Association
- OSHA
- ISEA and manufacturers
- Construction workers
- International Laborers Union of North America



Outputs

- Final report published in 2003 “Respirator Usage in Private Sector Firms, 2001”
- Manuscripts published in peer-reviewed journals (10)
- Manuscripts published or submitted to trade journals (18) R2P
- Presentations to stakeholders or conferences (18) R2P
- Project completion date September 30, 2013
 - Manuscript for JISRP

Outcomes

- User notices for airline respirators (MSHA Alert and OSHA CIB posted)
- OSHA used the data from the joint BLS/NIOSH publication to develop the Assigned Protection Factor (APF) portion of 1910.134 respirator standard
- Intervention strategies implemented at sites visited
- Intervention strategies and effective construction programs may be leveraged to improve respirator use in other industries

Updated: 5 April 2013