

Healthcare Surveillance – FY13 (921ZJSP)

Objective

- Utilize the Vanderbilt Occupational Health Information System (VOHIS) to gather data related to PPE: selection, usage, supply, ordering, defects, fitting, safety programs and implementation that protect HCW.
- Test for Scalability: Expand to 3 additional medical centers and hospital systems in the hazard prevention programs (HPP).
- Evaluate the quality and effectiveness of PPE in HPP.
- National PPE Surveillance-Standardization and Harmonization.



Applicable Standards

OSHA 29 CFR 1910.134
NIOSH 42 CFR 84

Key Partners

- Vanderbilt University Hospital Systems
- Duke University Medical Center
- John Hopkins Medical Center
- Mayo Clinic

Stakeholders

Healthcare workers, First Receivers, Manufacturers, Hospital Infection Control and Safety Officers, AIHA, OSHA, ISEA, ASTM etc

Project Scope

Identify, describe, and evaluate PPE compliance surveillance systems currently in use in a medical center setting to track activities, resources and outcomes related to PPE used for airborne respiratory events. Develop a PPE usage surveillance system for the US healthcare workers. Expand project to 3 additional sites.

Milestones FY13

- 1Q-2Q Continue pilot testing & data collection
- 3Q-4Q Real-Time Monitoring to assess system viability, adaptability, acceptability and scalability.
- Use data to establish “Best Practices”
- Recruit 3 additional Medical Centers

Outputs

- 2 peer reviewed manuscripts (1 in clearance, 1 in process)
- Posters presented at CSTE 2012 and 1 planned for 2013
- Poster at Safety Conference 2012
- Published Demo and Sentinel Report (FINAL REPORT)
- Describe/Document Real-time monitoring of PPE at Vanderbilt.
- Published the Demo/Sentinel Needs Assessment Report (FINAL)

Outcomes

- Feed results into and support CDC Stockpile Development/Assessment
- Translate results into the development of timely PPE interventional response in Pandemic Influenza and other Disasters (natural/man-made)
- Will differentiate between “equipment failure” and “utilization failure”.
- The results will be used to develop policies, SOPs, and correct actions for first receiver agencies (healthcare settings) nationwide.

Updated: 28 Mar 2013