Demonstration and Sentinel Surveillance System of PPE Usage in US Healthcare Workers – FY13 (939ZUMP)

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.
- Determine what specific activities and resources are utilized by the hospital systems in these hazard prevention programs (HPP).
- Evaluate the quality and effectiveness of PPE in HPP.
- Use system to demonstrate and report best practices of PPE in HPP.

Applicable Standards

OSHA 29 CFR 1910.134

NIOSH 42 CFR 84

Key Partners

- Vanderbilt University Hospital Systems
- CDC Influenza Coordinating Unit
- American Hospital Association
- Association of State and Territorial Health Officers

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.

Milestones FY12

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

Outputs

- 2 Posters presented at CSTE 2011 and 1 planned for 2012
- Poster at PPT Stakeholders meeting annually 2011 and 2012
- Published Demo and Sentinel Report (2nd draft completed)
- Describe/Document the evaluation and monitoring of PPE.
- Published the Demo/Sentinel Needs Assessment Report (draft)

Outcomes

- Feed results into Electronic Health Records (EHR)
- Feed results into CDC Stockpile Assessment
- Will translate results into the development of timely PPE interventional response in Pandemic Influenza and other disasters.
- 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.

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