



Respirator use Evaluation in Acute care California Hospitals (REACH):

An assessment of respirator policies and practices for H1N1 influenza in the health care setting
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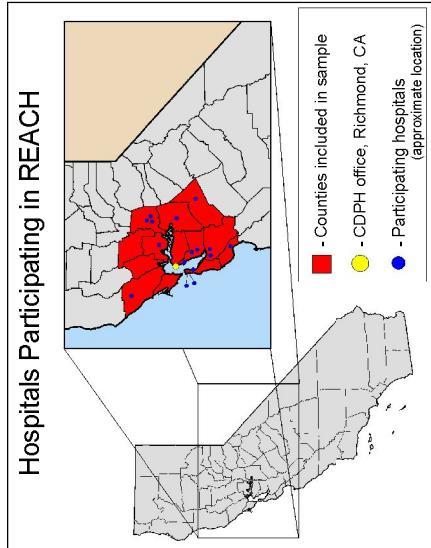
BACKGROUND

- Pandemic influenza preparedness is a national priority
- California Department of Public Health (CDPH) and CDC **recommend** use of N95 or better respirators by healthcare workers (HCW) for the 2009-2010 H1N1 influenza pandemic
- Cal/OSHA **requires** use of N95 or better respirator by HCW for aerosol transmissible diseases, including novel or unknown pathogens such as pandemic H1N1
- Aerosol Transmissible Diseases Standard (effective August 5, 2009)
- Respirator use Evaluation in Acute-care California Hospitals (REACH) Public Health Practice Study initiated in August 2009
- Collaboration between CDPH and National Institute for Occupational Safety and Health (NIOSH)

RESULTS

Respondent Characteristics:

- 297 interviews performed
 - 204 HCW
 - 45 Unit Managers
 - 48 Hospital Managers



OBJECTIVES

- Describe extent to which hospitals have implemented required elements of respiratory protection programs (RPP) for H1N1 influenza
- Assess the usage of respiratory protection for H1N1 influenza among HCW

METHODS

Sample:

- 16 hospitals selected by stratified random sample
 - Represent all facilities in California based on type of ownership, size, and rural status

Hospital Visits:

- Jan 20 – Feb 23, 2010, 15-21 interviews conducted at each hospital
 - 3 Hospital Managers in Nursing, Employee Health, Infection Control
 - 3 Unit Managers in Emergency Department, ICU, Pediatrics or Medical/Surgical units
 - 3-5 HCW in each of the 3 units
 - Written RPP materials collected from each facility
 - No managers or HCW declined to participate

Analysis:

- Descriptive statistics used to identify best practices and limitations of RPP
- Regular program evaluation including input from respirator users required

CONCLUSIONS

- Use of N95 respirators by HCW is feasible during a pandemic
 - All hospitals implemented N95 use for H1N1
 - Managers and HCW were willing to share knowledge, practices and beliefs about use and need for N95s
 - Most facilities had a written RPP with at least some of the required elements addressed
 - Shortcomings were common in recordkeeping, fit testing, training, and program evaluation components
 - Hospital managers receptive to feedback and interested in receiving assistance in improving RPP

NEXT STEPS

- Work with REACH study participants to develop and implement materials to address shortcomings
- Participate in multi-state collaborative project with NIOSH to evaluate use of respirators in acute care facilities during the 2010-2011 influenza season (REACH II)
- Use results to inform future CDC and CDPH guidance on HCW use of respiratory protection for influenza and other aerosol transmissible diseases

AUTHOR AFFILIATIONS

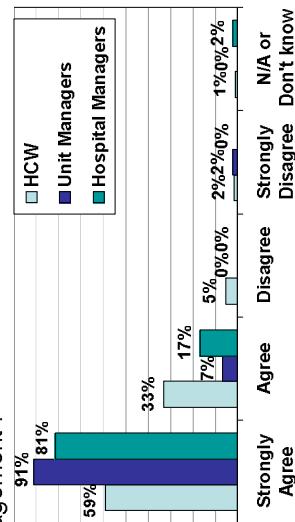
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Disclaimer: The findings and conclusions in this poster are those of the author(s) and do not necessarily represent the views of the Centers for Disease Control and Prevention.



Aerosol generating procedures

