

N95 and P100 TIL Testing - FY12 (939ZUMY)

Objective

Conduct a comparison on fit of filtering facepieces and elastomeric N95 and P100 masks on human test subjects to evaluate the relative protection achieved by each class of respirators on the same panel of users.

Applicable Standards

- 42 CFR 84.40-43, Subpart E – Quality Control

Key Partners

N/A

Stakeholders

- Respirator manufacturers
- Respirator users

Project Scope

- Evaluate approximately 15 filtering facepiece respirators and 2 elastomeric HM & FF with N95 and P100 filters to determine feasibility of conducting a complete research study.

Milestones

- 3Q FY08 – Test protocol finalized
- 1Q FY09 – Cup style and elastomeric tests complete
- 4Q FY09 – Flat fold and Duckbill Testing initiated
- 4Q FY12 – Draft document for Peer Review

Outputs

- Internal data on the relative efficiency of N95 and P100 filtering facepieces and same classification of filters on elastomeric respirators
- Peer reviewed publication on N95 and P100 relative efficiencies of filtering facepieces and elastomeric facepieces
- Peer reviewed publication on correlation of various fit test methods utilized in study

Outcomes

- Determine the value of fit testing in the field

Updated: 5 Apr 2012