

Opening Points

- This presentation is based on current United States federal requirements
- US state or other country requirements may be different
- · Always consult User Instructions and follow local laws and regulations
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- Completing this program does not certify proficiency in safety and health
- Information is current as of the date listed for this presentation, and requirements can change in the future
- This presentation should not be relied upon in isolation, as the content is often accompanied by additional and/or clarifying information or discussion
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Steve Kosch, MS

- Global Segment Application Engineering Team responsible for Utilities, Up-Stream Oil & Gas, Mining, Fire & EMS
- Global Confined Space & Rescue Specialist
- Firefighter and Emergency Medical Technician, 30+ years of emergency response experience.
- Principal member for NFPA 350 Guide for Safe Confined Space Entry and Work and ANSI Z117.1 – Confined Spaces.
- 3M for 27 years
- MS in Risk Control/Safety from the University of Wisconsin-Stout.















Jeffrey Taylor

- · Core Safety Specialist responsible for Southern Colorado, New Mexico, and Arizona.
- He has assisted numerous companies with respiratory regulatory compliance, product selection, fit testing and the establishment of respiratory protection programs.
- 3M[™] Personal Safety Division for 25 years
- Bachelor's degree from North Carolina State University







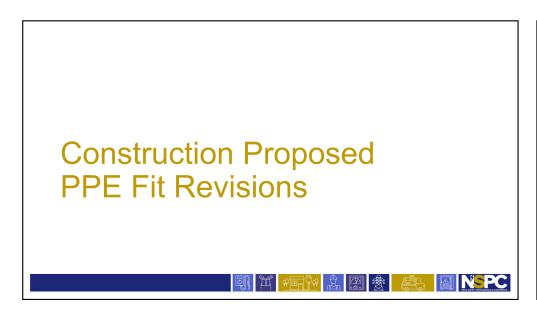




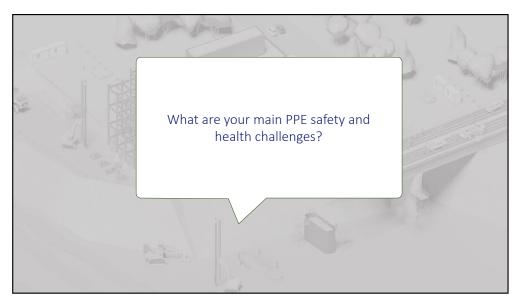


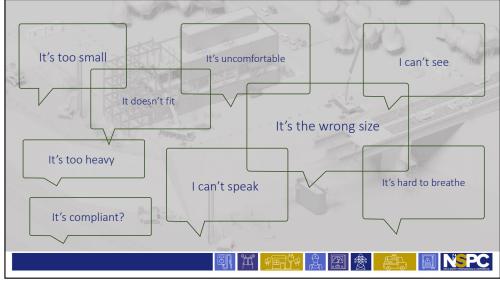


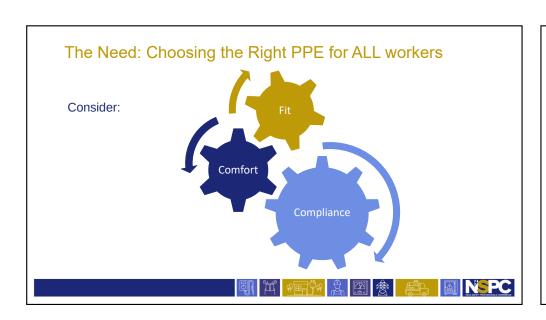


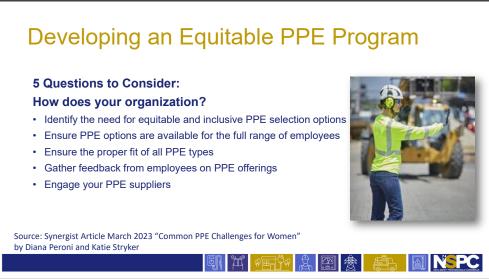


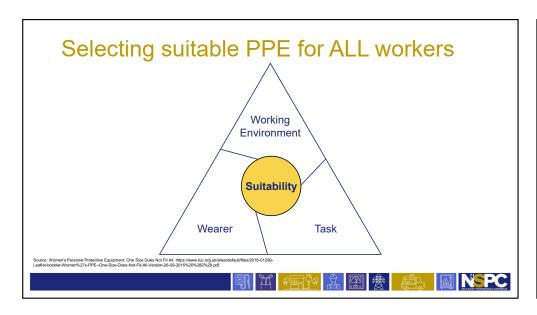










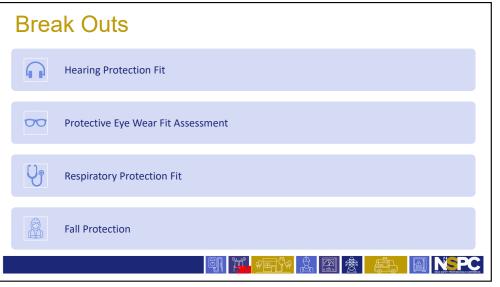




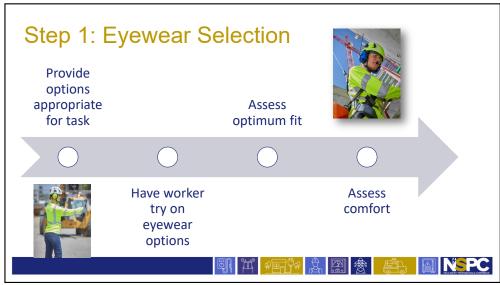


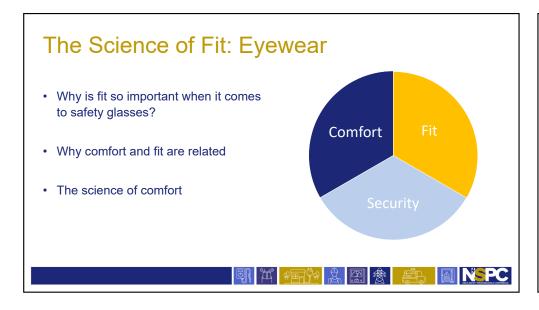
How does your company ensure the proper fit of PPE?



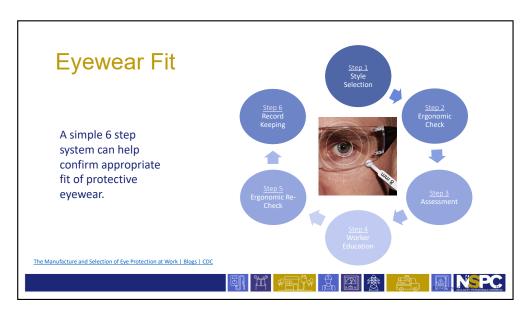


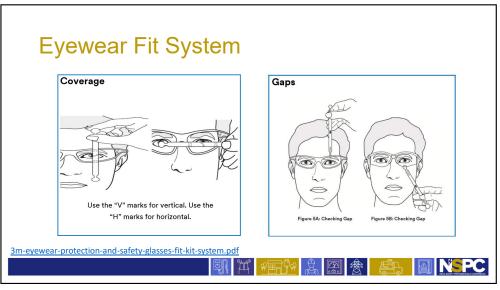


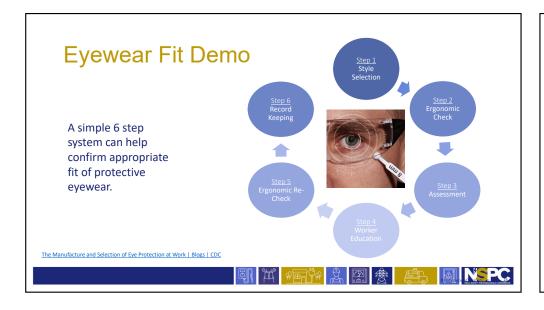




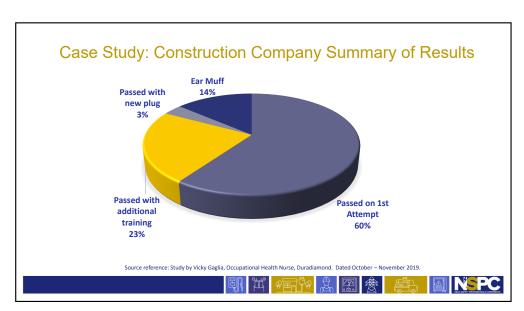


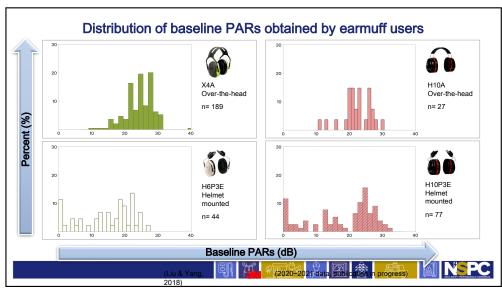


















- 1. Identify At-Risk Population
- 2. Train & Motivate
- 3. Selection Tool
- 4. Verify Performance
- 5. Train-the-Trainer
- 6. Provides Documentation

















Science of Fit: Respirators















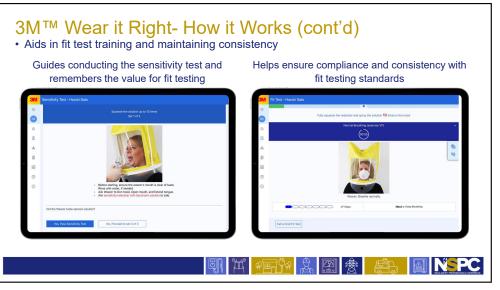
Respirator Design The 2019 NIOSH bivariate panel to assess respirator fit NIOSH Bivariate Panel (NIOSH Panel) considers a wider variety of facial sizes than the previous 9 10 panel. Notes · Based on US workforce Some manufacturers test new designs using the updated panel

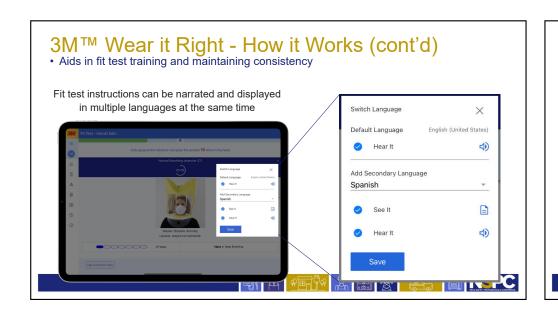




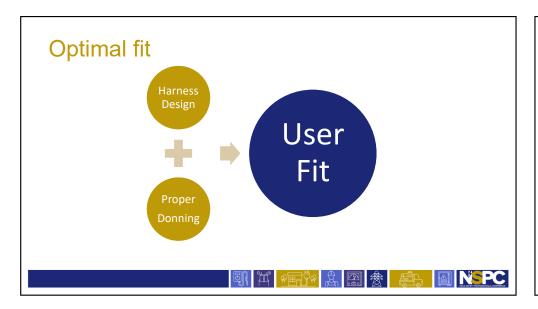




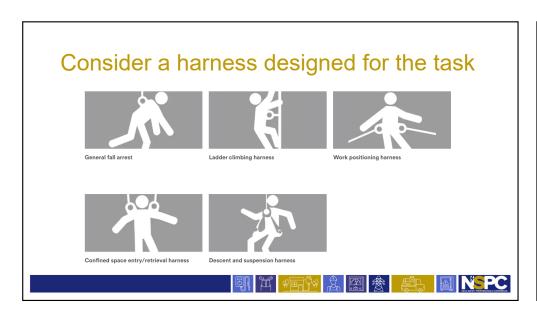














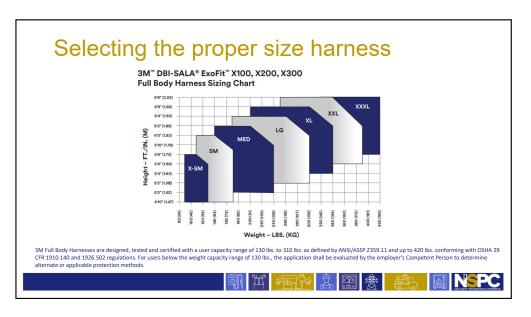




Fall Protection Harness Selection & Fitting Considerations

- 1. Consider the proper harness features needed for the task (D-ring location, side d-rings)
- 2. Consider offering multiple harness styles
- 3. Consider comfort, adjustability, productivity features
- 4. Work with suppliers to have multiple sizes available
- 5. Allow workers to try on harnesses
- 6. Check for proper donning
- 7. Size up or down if needed, or adjust style





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Key Considerations to help make PPE selection more equitable

- · Ensure PPE choices are compliant and appropriate for task
- · Work with suppliers to offer a full range of sizes
- · Consider PPE designed for adjustability
- · Use fit testing to ensure a proper initial fit and to help confirm selections
- · Ensure proper adjustments in donning
- · Allow workers to trial PPE
- · Assess comfort
- Provide training



Always ensure workers have been trained in the care, use, maintenance and inspection of their PPE



















Eyewear resources

- Eyefit procedure protocol and evaluation form
- 3M Eyewear Fit System | Personal Protective Equipment | Worker Health & Safety | 3M United States
- eyewear-fit-system-procedure-protocol.pdf (3m.com)



















- 3M™ EARfit™ Dual-Ear Validation System
- <u>Validation Testing | Hearing</u> Protection | 3M - US
- 3M Center for Hearing Protection
- Science of fit testing: technical bulletin
- <u>3m-earfit-brochure-we-low-res-pdf.pdf</u>]



Summary of Resources: Respirators

- PPE compatibility
- Is your Personal Protective Equipment working together? | Safety Network (3m.com)
- NIOSH Bivariate Panel
- NIOSH Conformity Assessment Interpretation Notice (CA 2019-1011) | NPPTL | NIOSH | CDC
- Filtering Facepiece Respirator Selection Considerations for Small faces
- Filtering Facepiece Respirator Selection Considerations for Small Faces (3m.com)



