

Safety Equipment Overview



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Agenda



⌘ Construction Statistics

- ☑ Injuries

- ☑ Usage of Safety Equipment

⌘ Product Overview

- ☑ Head, Eye, Face, Hearing, Respiratory, Fall, and Instruments

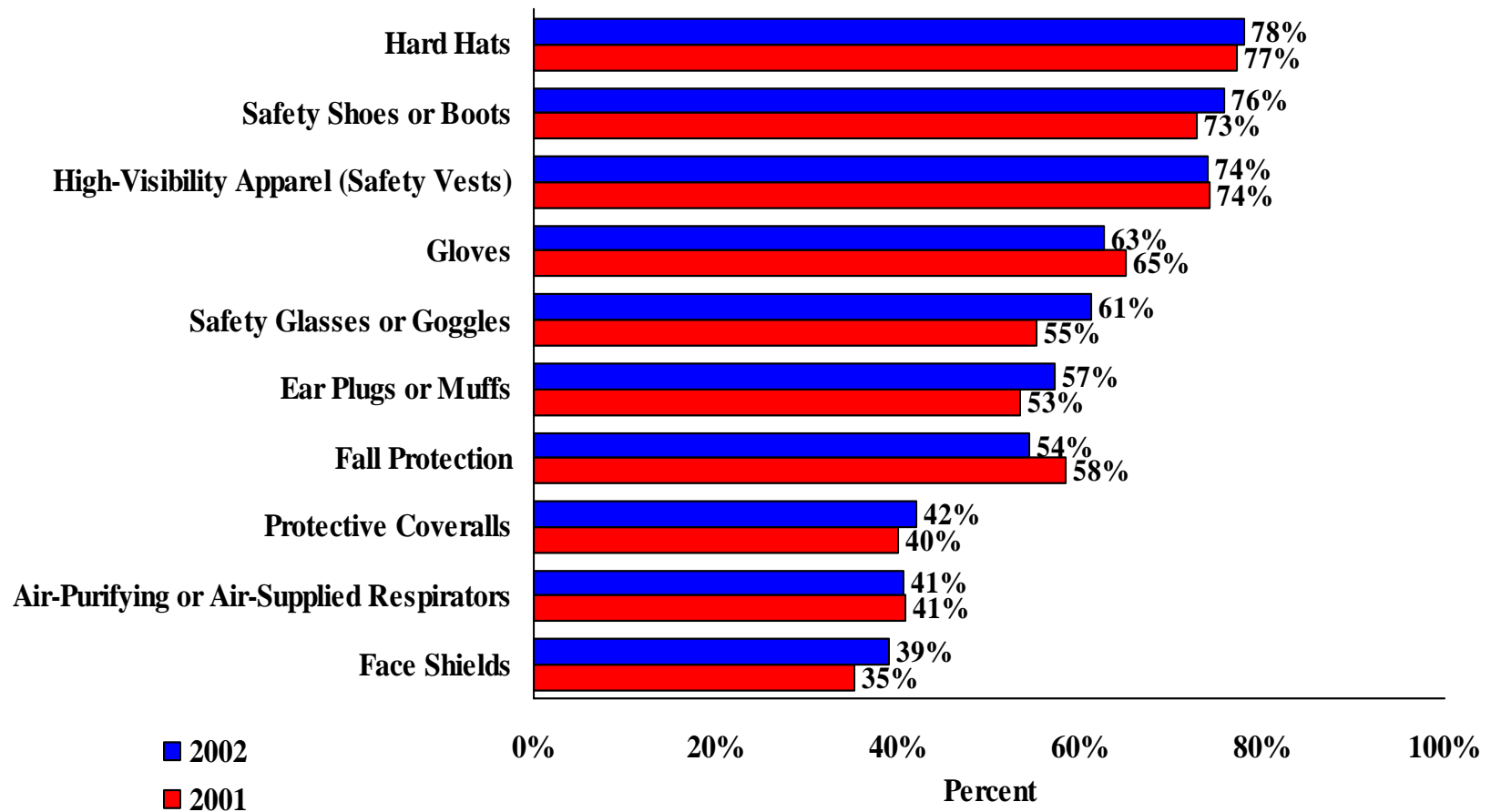
- ☑ What's New

Injury Statistics

⌘ Dept of Labor, Bureau of Labor Statistics

- ☑ Approximately 6.6 million workers
- ☑ Year 2000.....497,200 injuries
- ☑ Year 2000.....246,000 injuries with
lost workdays
- ☑ Approximately 8% of full-time workers suffer
an injury (*over 1100 fatalities*)
- ☑ Safety has improved by 40% over past 10
years (*more workers*)


Percentages of Construction Workers Who Regularly Use PPE When Needed 2002 vs 2001



Source: ISEA Survey



Opportunities for Improvement *(from the study)*



- ⌘ Self Enforcement

- ⌘ Awareness & Importance

- ⌘ Acceptance

 - ☑ Style

 - ☑ Comfort

 - ☑ Ergonomics

Types of Equipment

- ⌘ Head Protection
- ⌘ Eye and Face
- ⌘ Hearing
- ⌘ Respiratory
- ⌘ Fall
- ⌘ Instruments
- ⌘ Clothing



Head Protection



⌘ Performance Categories:

- ☑ Type I vs Type II
- ☑ Electrical vs Conductive

⌘ Product Variations:

- ☑ Hat vs Cap
- ☑ Shell materials
- ☑ Vented vs Non-vented
- ☑ Swing ratchet
- ☑ 4 vs 6 point
- ☑ Sports & patriotic helmets
- ☑ Accessories & logoing
 - ☑ Visors, sun shield, muffs, chinstraps, etc

Eye and Face



⌘ Performance Categories:

- ☒ Primary vs Secondary

- ☒ Special Purpose

⌘ Product Variations:

- ☒ Eyewear styles

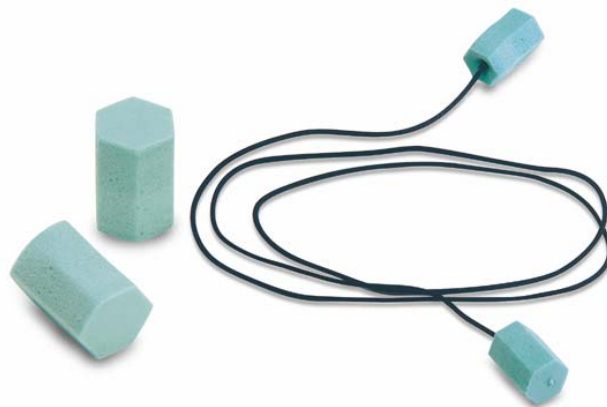
- ☒ Goggles

- ☒ Faceshields / visors

- ☒ Polycarbonate, PPC, Acetate, Wire screen

- ☒ Welding lenses

Hearing Protection



⌘ Performance:

- ☑ EPA Standard
- ☑ NRR Ratings

⌘ Product Variations:

☑ Plugs

- ☑ Typically best protection
- ☑ Variety of styles & types

☑ Muffs

- ☑ Reusable
- ☑ Variety of styles & types
- ☑ Low profile, etc
- ☑ Attach to hardhats

Respiratory Protection



⌘ Performance Categories:

- ☑ Particulate (N95)
- ☑ Organic Vapors

⌘ Product Variations:

- ☑ Disposable
 - ☑ Mostly particulate
 - ☑ Nuisance odors
- ☑ Low maintenance
 - ☑ Replaceable cartridges
 - ☑ All types of protection
- ☑ Full face respirators are rare

Instruments



- ⌘ Hazards: Oxygen deficiency, methane, hydrogen sulfide, carbon monoxide, nitrogen oxides, sulfur dioxide
- ⌘ Tasks: Underground utilities, trenches, tunnels, near landfills, storage tanks, etc.

Summary



- ⌘ Statistically safety is improving
 - ☑ *(40% fewer injuries per 100 workers since 1991)*
- ⌘ Still opportunity for improvement
 - ☑ Over 400,000 injuries per year in construction
 - ☑ Equipment is not always used when needed
- ⌘ We all have a role in improving safety
 - ☑ Self enforcement of use
 - ☑ Improving the acceptance level of products
 - ☑ Increasing awareness through information and training



Thank you!

Presentation by:



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