# Assessing Awareness of Respiratory and Noise Hazards among Wisconsin Workers





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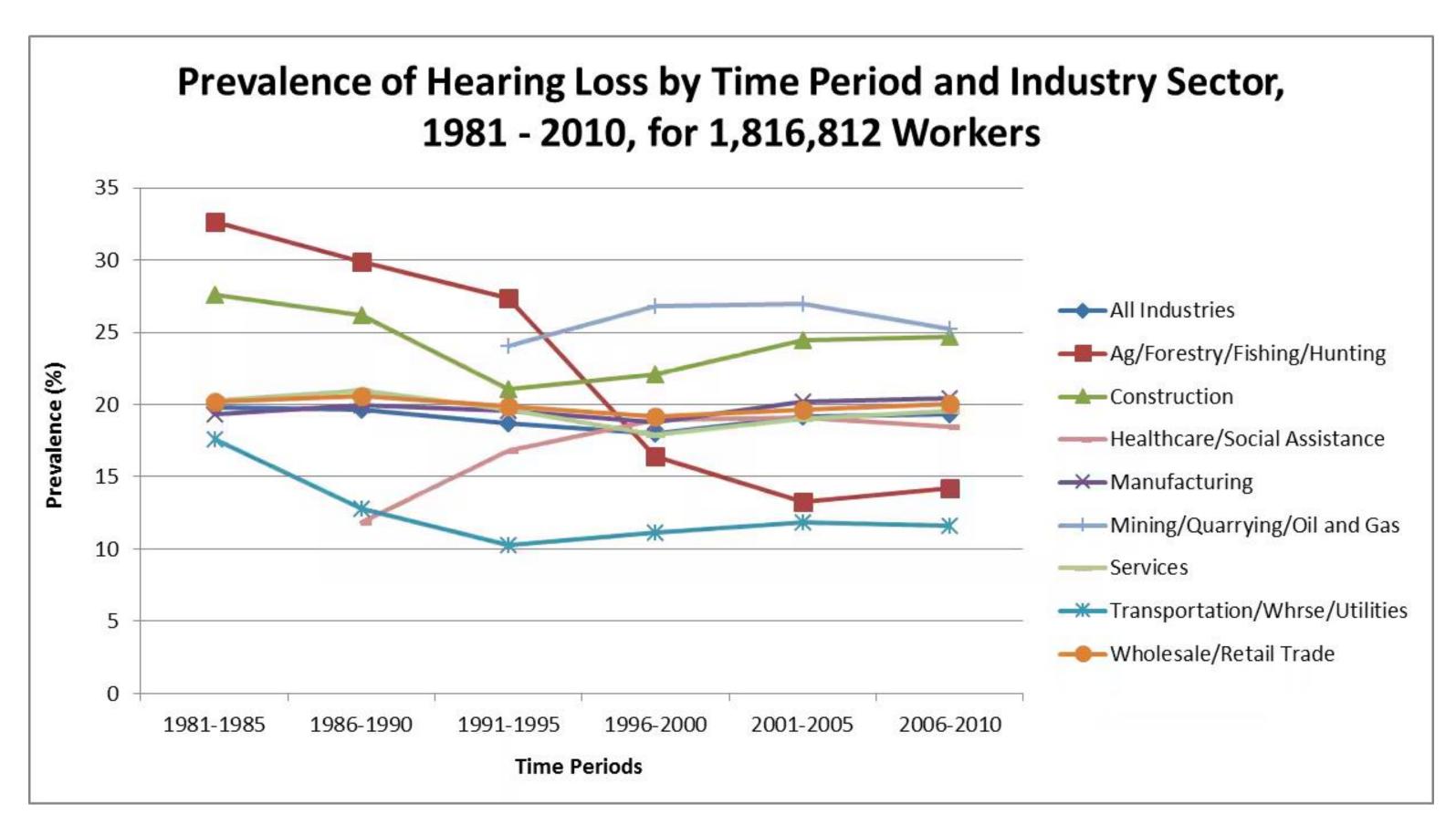
Learn from Workers. Become Inspired. Improve Worker Health & Safety.



OHIP is a national summer internship dedicated to helping you learn about the field of occupational safety and health from those with most at stake: working people.

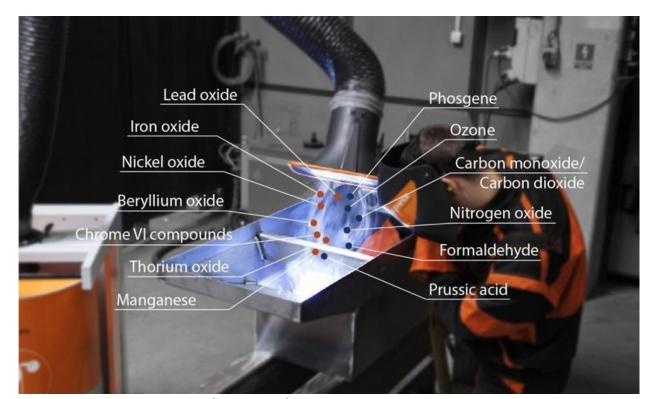
June 24- August 16, 2024

Internship Dates
National 3-day Orientation: June 25-27, 2024



#### Workplace Respiratory

Hazards

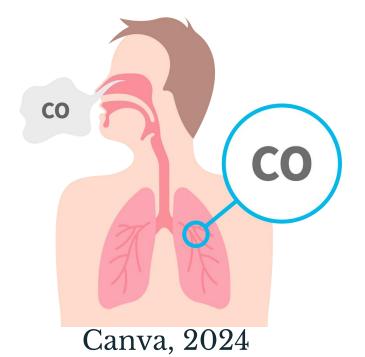


The Fabricator, 2018





NIOSH, 2018



OSHA, 2024

"harmful dusts, fogs, fumes, mists, gases, smokes, sprays, or vapors"

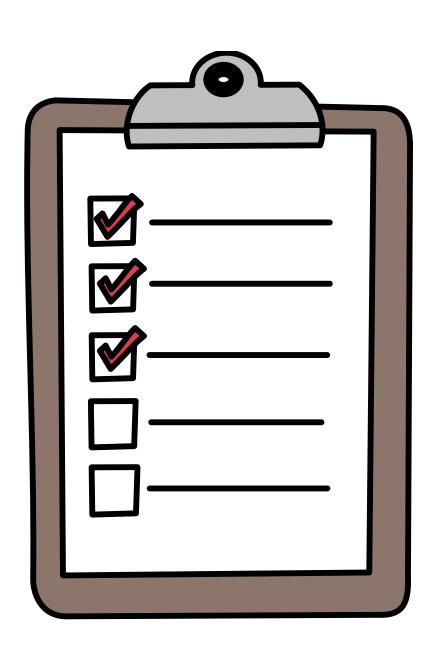
OSHA 1910.134(a)(1)

## What is WisCon?





# Project Objectives



Create noise and respiratory hazard questions for workers

Gain insight into worker perspectives

Develop recommendations to improve communication between employers and workers

# Guiding Questions

- 1) What are workers' perceptions of respiratory/noise risks in their occupation?
- 2) Do workers have training/education in risk protection?
- 3) How does safety culture influence workers' perception of risk?

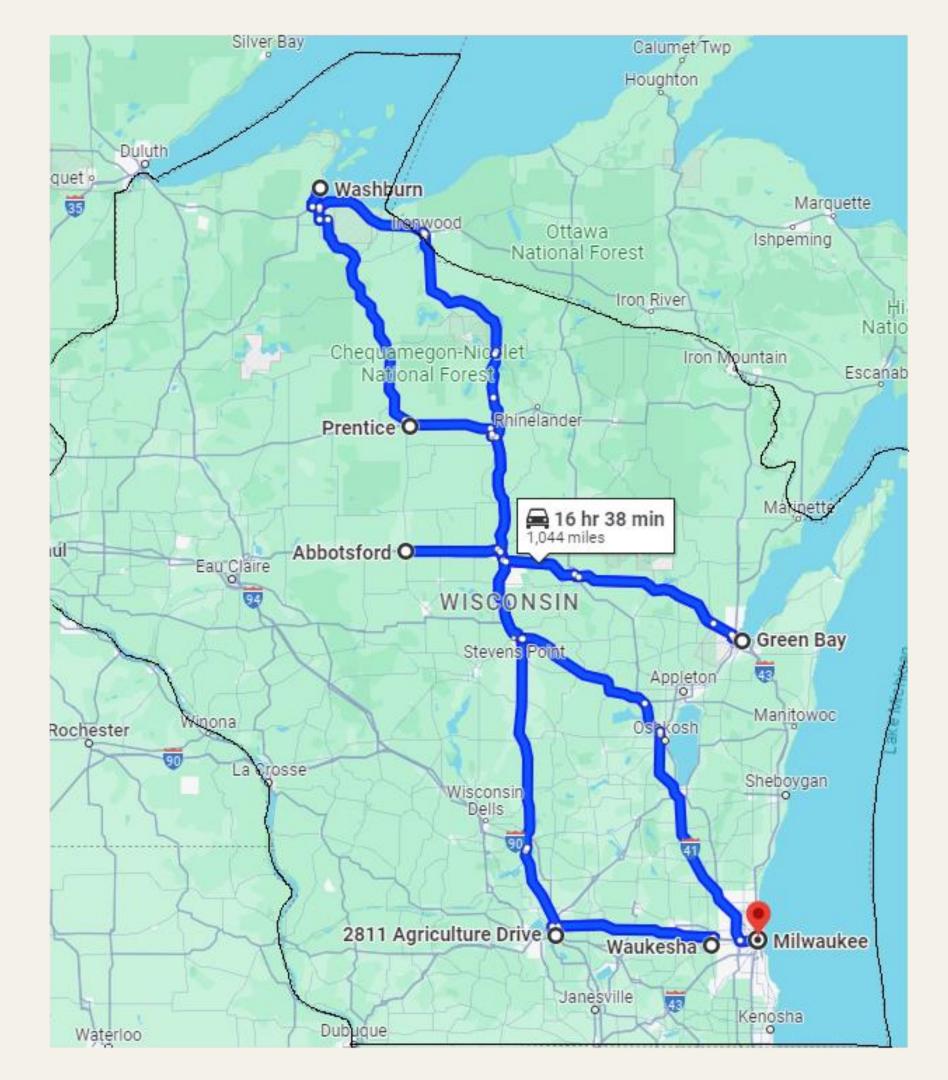






Hi, and thank you for agreeing to be part of our survey. Just a reminder that anything you say is kept confidential from your employer and we will not be reporting specific information said, but rather trends in the responses we receive. Your name will not be recorded.

- 1. Can you tell me what you do during a typical day?
  - a. What is the name of your position?
  - b. How many years have you worked in this trade?
- 2. Are you aware of any breathing hazards at work?
  - a. Have you experienced any eye or nose irritation at work?
  - b. Have you ever been concerned about what you are breathing at work?
  - c. How do you protect yourself from these breathing hazards?
  - d. Do you use PPE? If so, does your employer provide it?
  - e. Have you had any training for protecting yourself from these hazards?
    - i. How often? (RPP)
  - f. Have you ever seen anyone testing the air at work, and if so, have you seen the results?
- 3. Are you aware of any noise hazards at work?
  - a. Have you experienced stuffy ears, ringing, etc. after work?
  - b. Have you ever been concerned about your exposure to noise at work?
  - c. How do you protect yourself from these noise hazards?
  - d. Do you use PPE? If so, does your employer provide it?
  - e. Have you had any training for protecting yourself from these hazards?
    - i. How often? (HCP)
  - f. Have you ever seen anyone testing the noise levels at work, and if so, have you seen the results?
- 4. Do you feel that your workplace values safety and health?
  - a. Can you share an example of why you feel this way?
  - b. Do you feel comfortable raising a concern to your supervisor?
  - c. If you raise a concern, does your employer adequately address it?
  - d. What would you like to see happen for your workplace to be safer?



#### 25 worker interviews

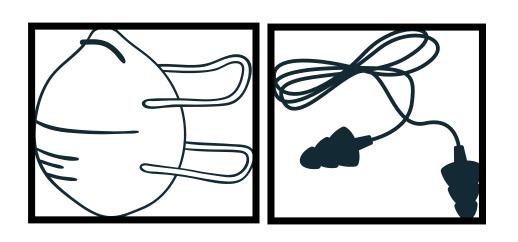
#### 6 Worksite Visits

- Construction
- Automation
- Poly Lumber
- Sawmill
- Foundry
- Fabrication

1) What are workers' perceptions of respiratory/noise risks in their occupation?







Employees were generally aware of both respiratory and noise hazards

Employees showed moderate concern about respiratory hazards, but less about noise hazards PPE adherence varied, but most employees wore noise PPE

- 2) Do workers have training/education in risk protection?
- Job task/position influences training and education
- Majority of employees do not see hazard monitoring results



3) How does safety culture influence workers' perception of risk?

- Behavioral-based safety and strong safety culture are important
- Hazard concerns are thought to be addressed by feasibility



Q: What would you like to see happen for your workplace to be safer?

"Not much...everyone looks out for each other."

"Continue to improve [safety]."

"More donuts!"

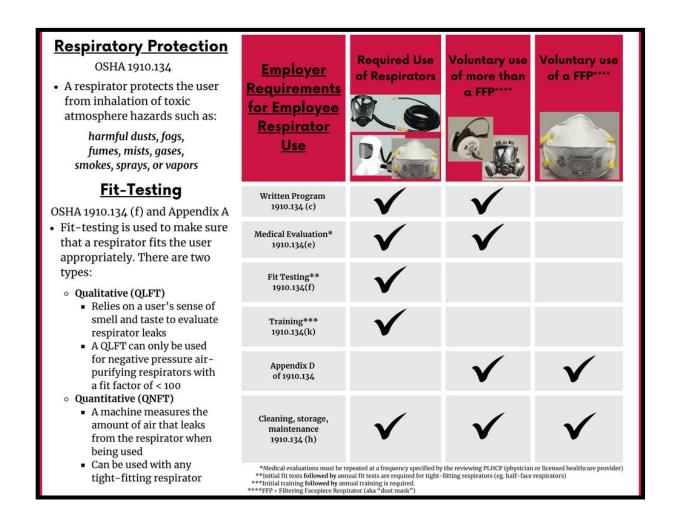
"Keeping machinery running efficiently gets rid of hazards."

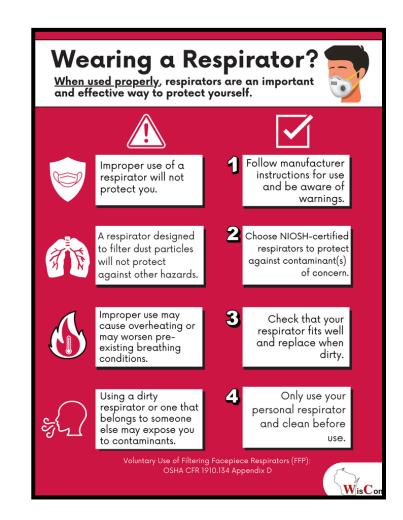
"Nothing you can do to make an inherently dangerous job safer."

#### Give Back Products

(still in development)







(Inner page)
Hearing Protection

(Inner page)

Respiratory Protection (2)

### Recommendations (3)

Dissemination of test results directly to workers

Empower employees with information about their worker rights

Industry-specific surveys

Better understanding of specific hazard awareness

Implementation of safety committees and accessibility to safety

Emphasize safety culture and provide translated materials

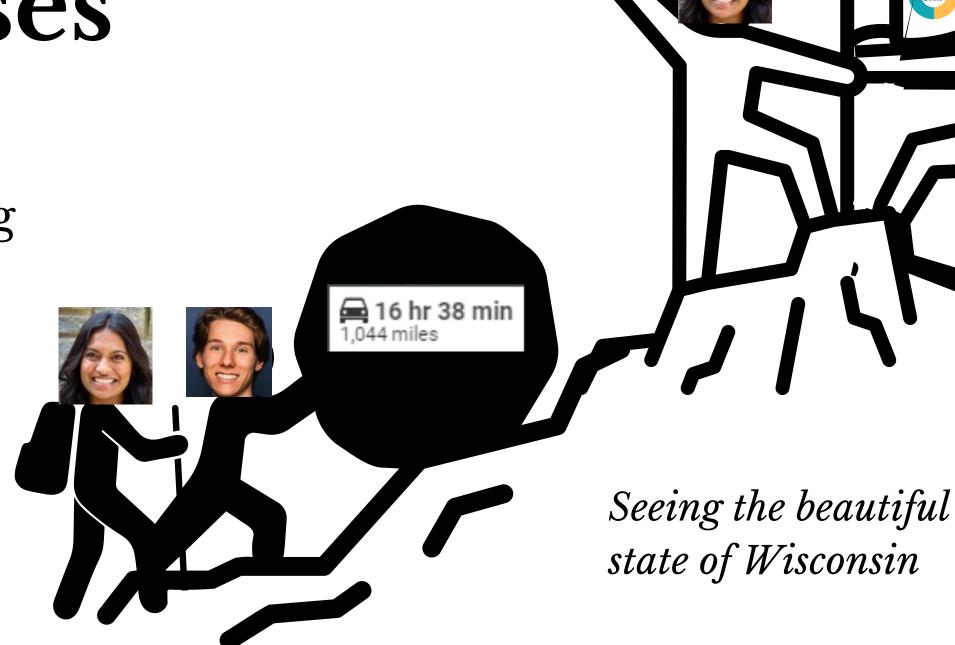
# Challenges and Successes

Project focus shift

Worksite visit scheduling

• 25 conversations with workers about safety

• 3 give back products created



Timm's Hill

#### Personal Reflections



## Acknowledgements

of HEALTH SERVICES

#### **Mentors:**

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Sheryl Bedno, MD, DrPH, FACOEM Katherine McCoy, PhD

WISCONSIN DEPARTMENT

Experts in the Field:
WisCon Consultants and WI DHS
Epidemiologists

#### **Funders:**







# Thank You! Any Questions?

