

Development of a Worker Health and Safety Training Evaluation Guide



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Background

- Seattle, WA
- Day laborer center: Casa Latina
- Evaluating the effectiveness of a worker health and safety training



Objectives

- Development of a Health and Safety Training Evaluation Guide
 - Allowing for the training evaluations to be easily reproduced and repeated within Casa Latina
- Interviews with day laborers
 - Adding to the data for Health and Safety Training evaluations
- Gain knowledge and perspective in the field of Occupational Health



Methodology

- Attended Worker Health and Safety Trainings
- Understand the evaluation process through literature and observation
- Conducted 30 worker interviews



Outcomes

- Evaluation Guide presented to Casa Latina
- Data analysis
- Worker Interviews
- Chemical hazards card (Give-Back)




Outcome: Data analysis

Nombre: _____

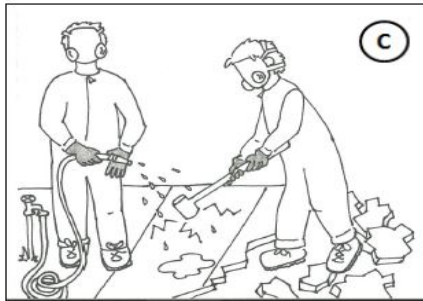
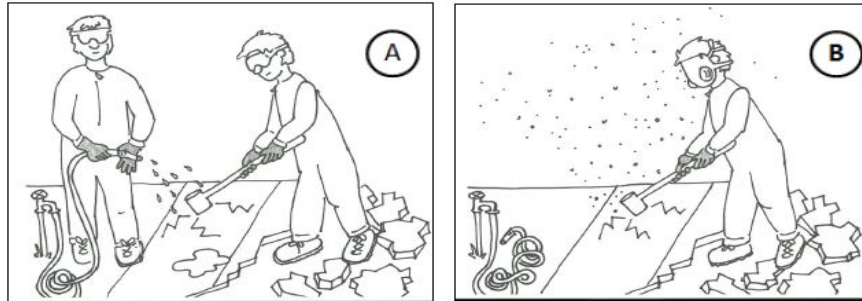
Fecha: _____

Marca cada dibujo así:

Si usted haría el trabajo como el dibujo, ponga un  encima.

Si usted no haría el trabajo como el dibujo, ponga  encima.

Cuando terminas, debe haber una sola  y dos  por cada página.



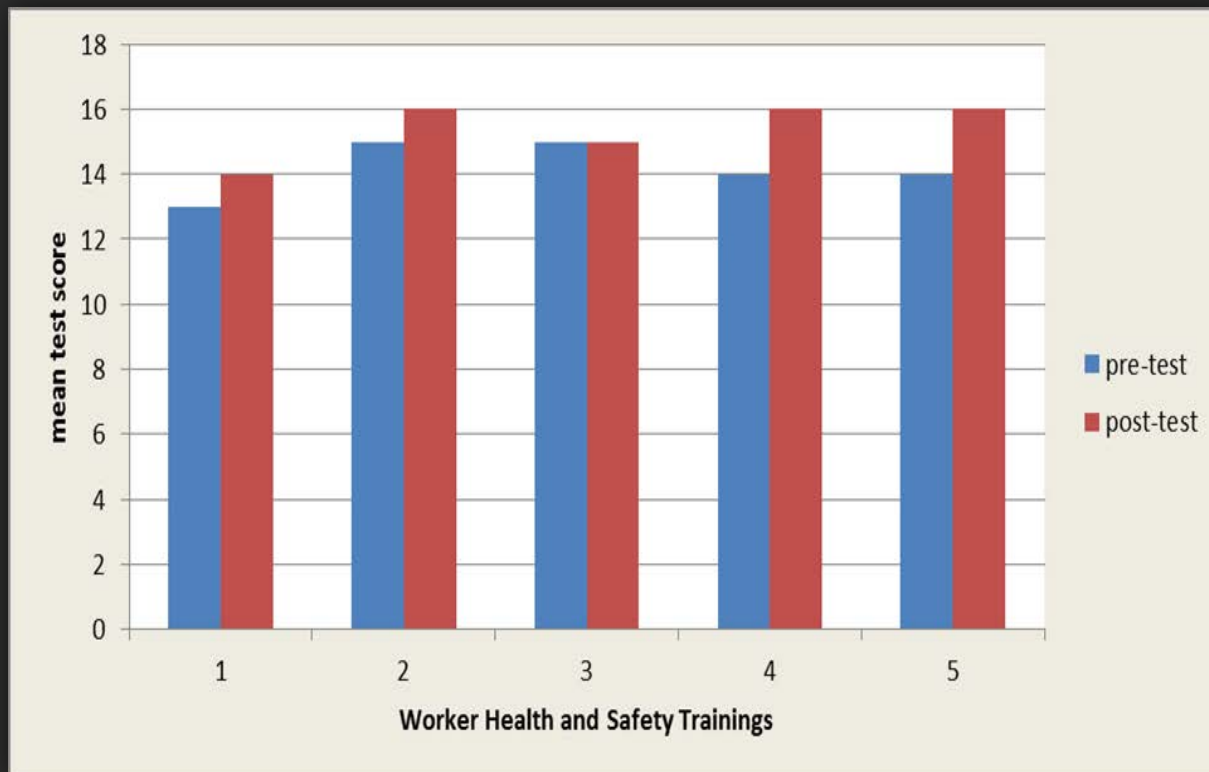
Funded by Susan Harwood Grant SH 23589-1260-F-53

- Pre- and Post- Training evaluations to assess knowledge gained from the Health and Safety Training

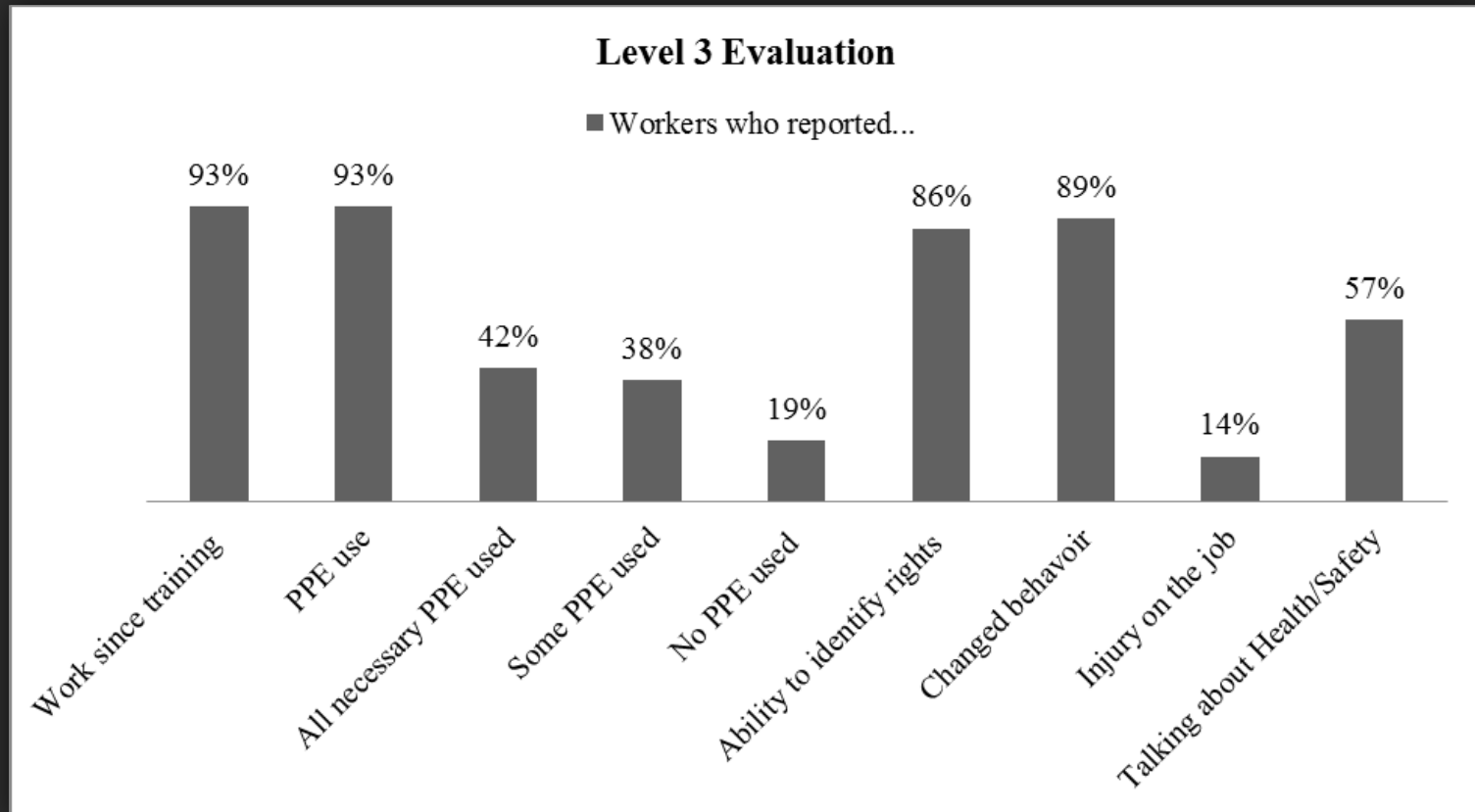


Outcome: Pictogram Tests

Evaluations showed an increase in knowledge of workplace health and safety after the trainings



Outcome: Worker Interviews



Successes

- Relationship with Casa Latina
- Gained knowledge of evaluation methods
- Increased interest in Occupational Health

Challenges

- Training and evaluation longer than internship duration



Reflection

- Interact with day laborers in Spanish
- Participate in trainings
- Gain experience in data collection and measurement





Health, Safety, & Metal

Safety and Health Investment Project

Ashley Bush, M.P.H.



Seattle, Summer 2013

Background

- Health and Safety Committees (HSC) in the workplace
 - U.S. no policy
 - WA policy WAC 296-800-13020
- Primary metals and metal products manufacturing industries
 - U.S. 56 million tons of scrap metal every year
 - Scrap fatal injury rate 18 per 100,000 FTE





Objectives

- Become familiar with the health and safety issues in primary metals and metal products manufacturing industries
- Conduct surveys with workers to assess perceived safety culture and safety hazards in the workplace
- Conduct descriptive analysis of pre and post HSC implementation at metal facility
- Observe HSC meetings in at metal facilities



Methods

PURPOSE: Attend four different HSC meetings

- Record observations
- Provide commentary

Small scrap metal recycling facility: handles ferrous and nonferrous metals; 26 production workers.

Large foundry: 30,000+ pound steel castings, machine and fabrication shop; 250 production workers -3 shifts.

Large metal facility: processes and shreds ferrous and nonferrous metals for recycling purposes; 125 production workers -3 shifts. (union)

Small foundry: aluminum, brass bronze, gray iron, and manganese bronze castings; 20 production workers.



Results

Qualities	Small Scrap Metal Recycling	Large Foundry	Large Scrap Metal Recycling and Shredding	Small Foundry	Recommendations
Representation	3	2	2	3	Representation cultural, linguistical, gender, race, shift, number
Action Plans	3	3	1	2	Should be SMART and documented.
Processes	2	2	1	1	Near-miss reporting observed (can improve through anonymity); incentive-based programs not recommended; difficult to see the process between representative and constituent; site used labeled pictures for representative; other site needs better rules and enforcement for PPE use
Management Support	3	3	1	3	All sites allowed team to visit. Interesting for exit interviews with top-level management
Management Engagement	3	3	1	3	Production management engagement needed. Facilitation skills are advised for management to efficiently and effectively use time during HSC
Committee Engagement	3	3	1	2	Crucial for HSC existence; develop ground rules for meeting time; representatives need time to talk
Scale 1-3 (poor, well, very well)					



Recommendations

- More worker representation and engagement is important
- No universal formula for Health and Safety Committee
- Personal protective equipment is the last resort, environmental controls are first



OHIP Summer 2013

Success

- 40 interviews completed
- 50 hazard observations made
- 4 health and safety committee meetings attended
- Able to see company responses to injuries that occurred

Challenges

- Site logistics
- Cultural and language barriers
- Project time period



Reflection



- Learned from a worker perspective
- Gained experience conducting interviews, making hazard observations, and analyzing data
- Understand the importance of an effective health and safety committee



Outcome: Give Back

- Chemical hazards wallet card

¿Tienes todo lo que necesitas?

- ⇒ Mascarilla
- ⇒ Respirador
- ⇒ Guantes
- ⇒ Botas
- ⇒ Anteojos de seguridad

Emergencia: 911

 Centro de envenamiento
(Poison Control):
1-(800) 222-1222

Depto. de Labor e Industrias del Estado
de Washington: 1-(800)-8423-7233

DOSH: 1-(800)-423-7233

		
Toxicidad aguda	Peligro medio ambiental	Peligro por aspiración
		
Corrosivo	Líquidos inflamables	Explosivos
		
Gases Comprimidos	Irritación cutánea	Oxidante

Acknowledgments

- UW Dept. of Environmental & Occupational Health Sciences
- Participating small metal businesses in the Western Seattle Region
- Casa Latina
- National Institute for Occupational Safety and Health
- Occupational Health Internship Program Staff
- Association of Occupational and Environmental Health Clinics

