



THE CENTER FOR CONSTRUCTION
RESEARCH AND TRAINING

Advancing Construction Safety and Health through Industry r2p Partnerships

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Jessica Bunting, MPH
R2p Program Director

CPWR – The Center for Construction Research and Training

CPWR's r2p Program



Building r2p capacity – conducting translation research & developing r2p tools



Developing and testing translational products & dissemination strategies



Establishing & utilizing r2p-focused partnerships and networks to increase the use of research findings on jobsites

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R2p Partnerships & Networks

Industry r2p Partnerships:

National organizations that have influence over safety and health for a specific industry sector

Masonry r2p Partnership
Roofing r2p Partnership
Sheetmetal r2p Partnership

Interagency Work Groups:

Organizations who influence safety and health research and policies

OSHA-NIOSH-CPWR r2p Working Group
CPWR OSHA Alliance
NORA Construction Sector Council
NORA Work Groups (Falls, COVID-19, Struck-by)
ANSI-ASSP Z359 National Work at Heights Task Force

Networks:

Group with direct access to a specific target audience

Trainers & Researchers United Network (TRU-Net)
Online Construction Safety & Health Network

Communities of Practice:

Researchers and stakeholders with a shared interest in addressing a particular hazard

Ergonomics Community of Practice

CPWR's First Industry r2p Partnership

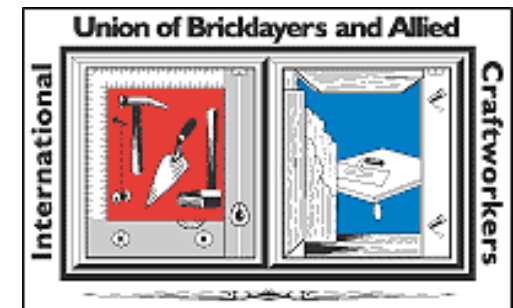
Masonry r2p Partnership

Established in 2010 by CPWR and

- The International Union of Bricklayers and Allied Craftworkers (BAC)
- The International Council of Employers (ICE)
- The International Masonry Institute (IMI)



INTERNATIONAL COUNCIL OF EMPLOYERS
of Bricklayers and Allied Craftworkers





Partnership Goals



Formalize existing partnerships between BAC, ICE, and IMI



Focus on safety and health (putting collective bargaining & other issues aside)



Increase awareness and use of safer work practices and equipment in the masonry industry



Serve as a model partnership for CPWR and others



Partnership Activities



Research Support

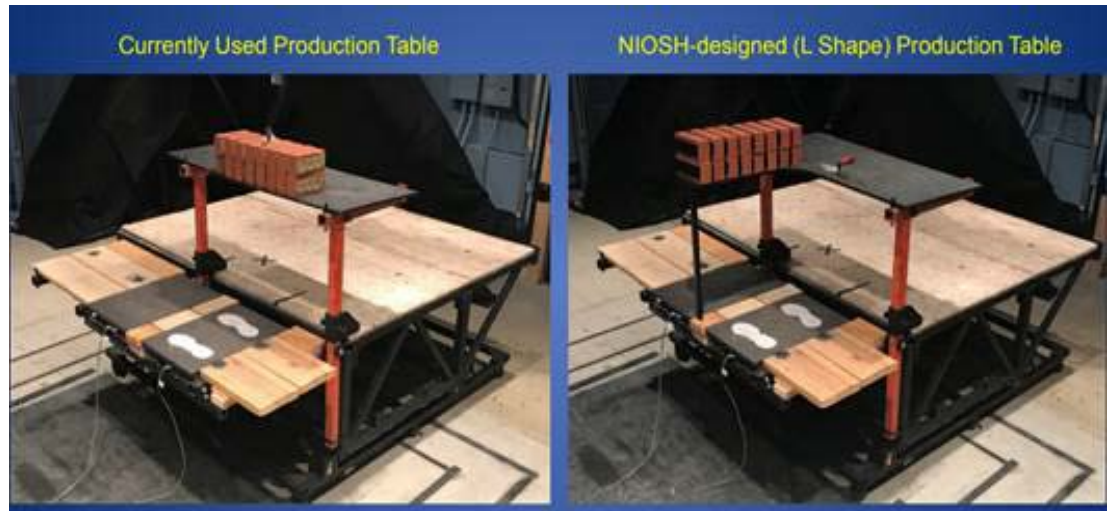


Dissemination



Practice to Research (p2r)

Research Support



CHOOSE HAND SAFETY .ORG

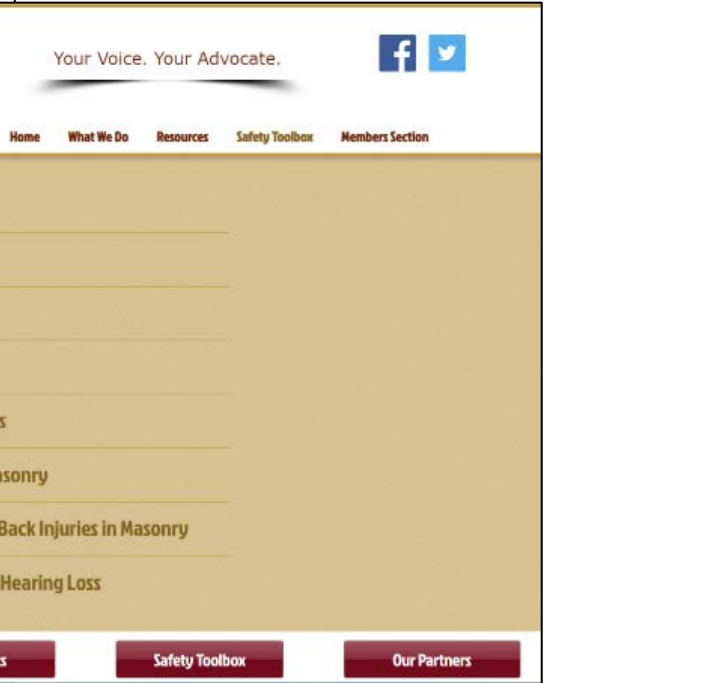
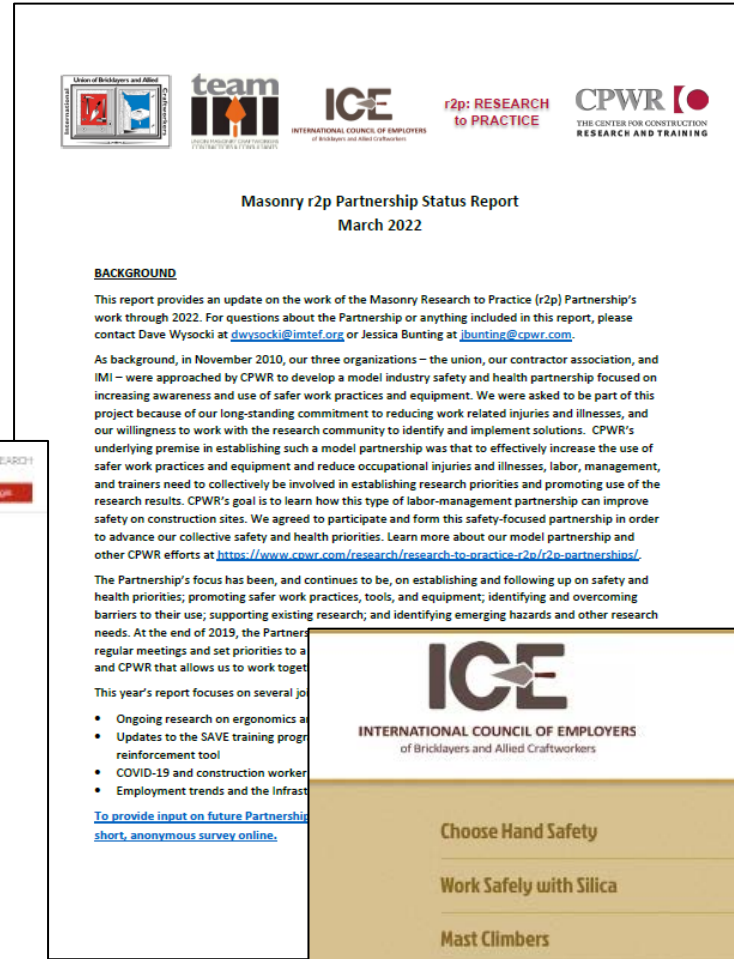
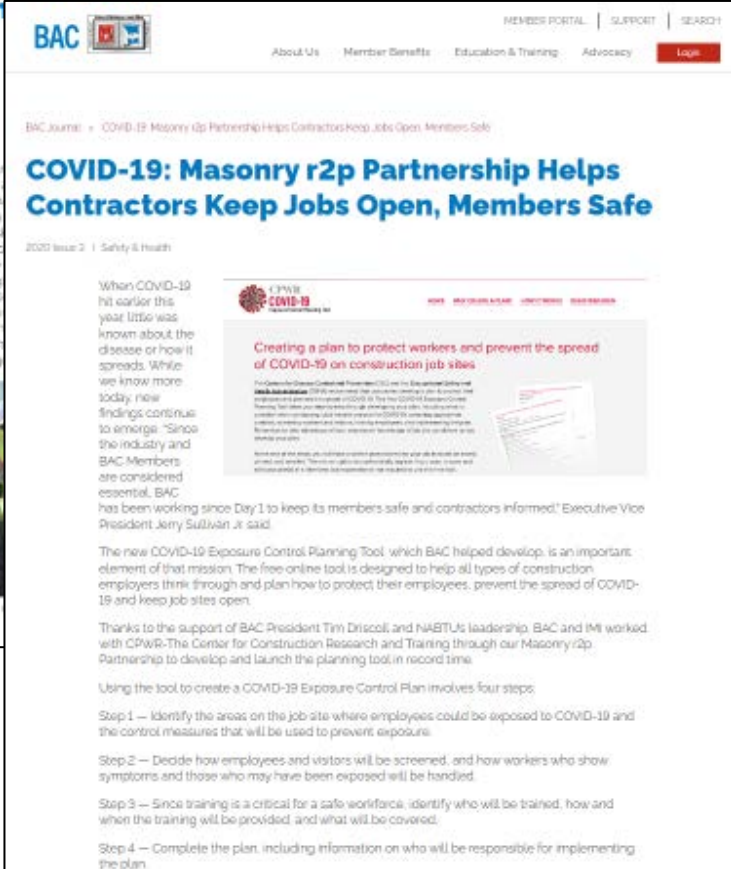
Choosing Hand Tools Choosing Gloves Safety & Health Training & More

Choose Hand Safety

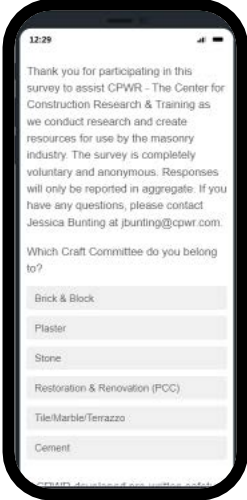
Hand injuries including cuts, strained muscles and tendons, damaged nerves, skin disorders, and burns can impact the quality of work, productivity – and even end careers. Understand the risks. Learn how to protect your hands, including what to look for when choosing and using hand tools and gloves.



Dissemination



p2r: Craft Committee Feedback



p2r: BAC Member & Contractor Surveys

THINKING ABOUT YOUR WORK ON THE JOB SITE, **WHAT HEALTH OR SAFETY HAZARD ARE YOU MOST CONCERNED ABOUT ON THE JOB?**



	2011	2014	2017	2018	2019
Dust (Silica, Respiratory problems, Air Quality)	23%	37%	46%	44%	↓ 32%
Falling (from a scaffold mostly)	32%	20%	21%	24%	↓ 19%
Fumes and chemicals	5%	6%	3%	4%	5%
Falling objects	8%	3%	3%	---	3%

IN THE LAST YEAR, **HOW OFTEN WERE YOU PROVIDED WITH A VACUUM SAW OR A WET SAW** WHEN YOU CUT MASONRY MATERIALS SUCH AS BRICK, BLOCK OR TILE ON THE JOB?

	2011	2014	2017	2018	2019
Always	19%	26%	61%	59%	↑ 69%
Most of the time	64%	59%	18%	23%	16%
Half the time			6%	8%	6%
Rarely	17%	15%	6%	5%	1%
Never			3%	2%	2%
Not Applicable	--	--	6%	3%	6%

91% use controls at least ½ the time

HOW FREQUENTLY DO YOU USE HEARING PROTECTION, FOR EXAMPLE, EAR PLUGS, EAR MUFFS, ETC. — ALWAYS, MOST OF THE TIME, ABOUT HALF THE TIME, RARELY, OR NEVER?

	2011	2014	2017	2019
Always	30%	46%	51%	↑ 60%
Most of the time	19%	22%	25%	19%
About half the time	23%	12%	8%	7%
Rarely	17%	14%	10%	7%
Never	11%	6%	6%	7%



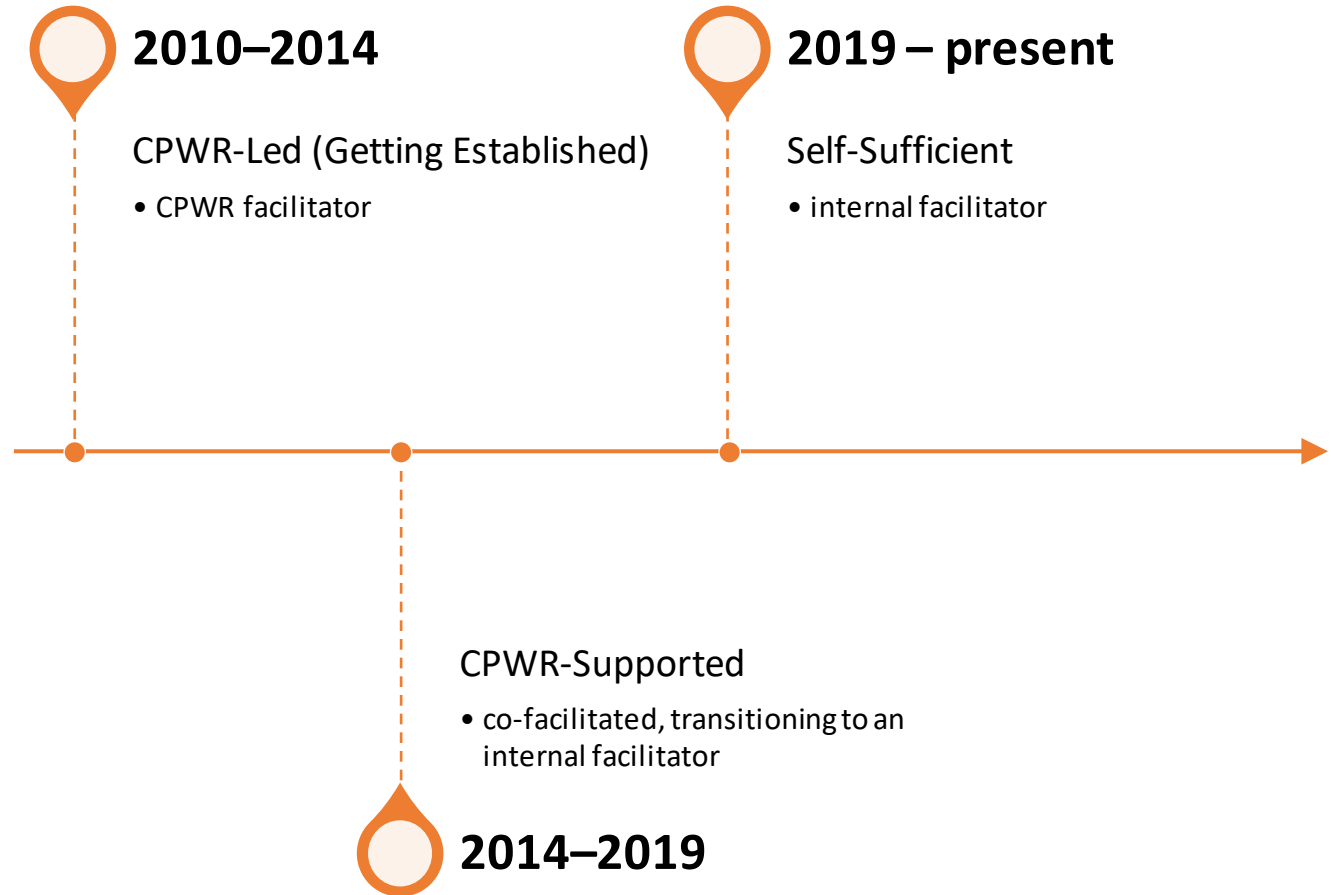
HAVE YOU RECEIVED TRAINING ON HOW TO PREVENT NOISE-INDUCED HEARING LOSS?

	2017	2019
Yes	62%	↑ 67%
No	38%	33%

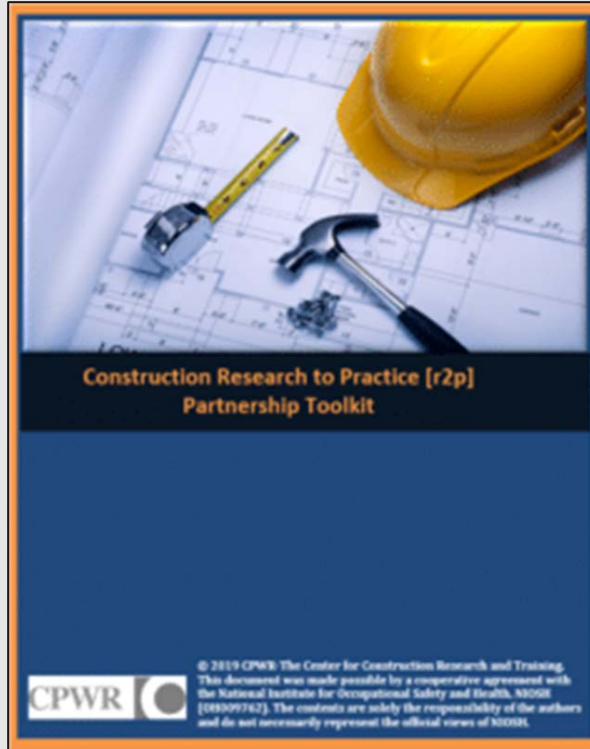
RECEIVED TRAINING ON HOW TO PREVENT NOISE INDUCED HEARING LOSS X
HOW OFTEN HEARING PROTECTION IS WORN (2019 Only)

	Received Training	Did Not Receive Training
Always	63%	52%
Most of the time	19%	20%
About half the time	4%	13%
Rarely	7%	7%
Never	7%	7%

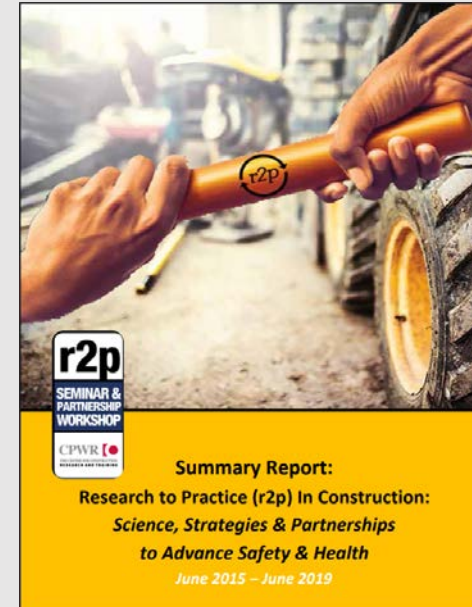
Partnership Evolution



Sharing Lessons Learned



<https://www.cpwr.com/research/research-to-practice-r2p/r2p-library/resources-for-stakeholders-and-researchers/partnership-toolkit/>



<https://www.cpwr.com/wp-content/uploads/publications/2015-2019-r2p-Seminar-Partnership-Workshop-Summary-Report-2019-Final.pdf>

R2p Seminar & Partnership Workshop Summary Report

Advantages to researchers and stakeholders of working in partnership

- Creates early buy-in and support for the research
- Buy-in from stakeholder leadership can help facilitate participation by others, such as local affiliates of their organization, other industry stakeholders, and the target audiences of the study.
- Helps the researcher understand the research and dissemination challenges they may face, and build in strategies to overcome them
- Leads to industry-specific input and support at each stage of a project
- Provides access to the population needed for the research

Challenges to working together

- Competing priorities & time constraints
- Concern about unintended consequences
- Unrealistic expectations
- Not understanding the industry or the target audience

Tips for Reaching Key Intermediaries, such as:

- Insurance Companies
- Contractors/Trade Associations
- Small/Hispanic Contractors & Contractor Associations
- Unions/Trainers
- Manufacturers

Challenges & Strategies for Reaching Vulnerable Workers

Improving Dissemination & Use of Research Findings



Partnership Toolkit

- **Introduction & Table of Contents**
- **Section 1:** Identify and Involve Key r2p Partners
- **Section 2:** Facilitate the Partnership Process
- **Section 3:** Develop a Shared Vision, Mission, and Goals
- **Section 4:** Actively Invest in Group Dynamics
- **Section 5:** Identify and Disseminate Solutions
- **Section 6:** Evaluate Your Work Together
- **Section 7:** Allow Your Partnership to Evolve
- **Section 8:** Appendix

Interviews, Observations & Case Studies

Original Toolkit:

- The Asphalt Paving Partnership
- The Masonry r2p Partnership
- The SafeBuild Alliance
- The MA Floor Finishing Safety Task Force
- The Electrical Transmission and Distribution Partnership
- Latino Falls Prevention Partnerships
- The OSHA•NIOSH•CPWR Interagency r2p Working Group

2019 Additions:

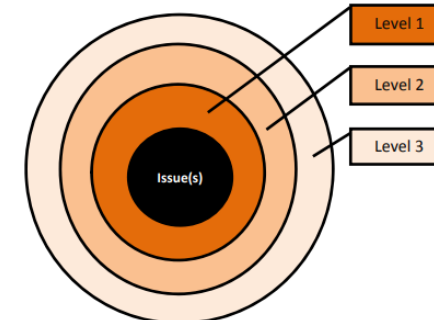
- The Roofing r2p Partnership
- The Ergonomics Community of Practice
- TRU-Net
- Construction Safety & Health Network
- CPWR OSHA Alliance

Tools & Activities

TOOL 1-A: ISSUE(S) BULL'S EYE

Instructions:

1. Write the issue(s) and what you hope to accomplish through a partnership in the center of a piece of flip chart paper or a whiteboard; draw three rings around the issue(s); label the rings Level 1, Level 2, and Level 3 respectively. Each level refers to a type of stakeholder:
Level 1: Stakeholders who are actively engaged in or directly affected by the issue(s), are highly influential, and have critical perspectives to consider.
Level 2: Stakeholders who may be impacted by the issue(s) and are able to influence other stakeholders.
Level 3: Stakeholders who have the potential to be convinced about the importance of the issue(s) and could be helpful supporters.
2. Brainstorm and write the names of the stakeholders (organizations or persons) that have an interest in or connection to the issue(s) on sticky notes; place the sticky notes in one of the rings based on your knowledge of how close or pivotal each is to the issue(s). *Tip: If you are doing this in a group, you may want to have each individual decide who the key stakeholders are on their own and place their sticky notes on the target. The group can then discuss the possibilities and move sticky notes around to reflect consensus.*



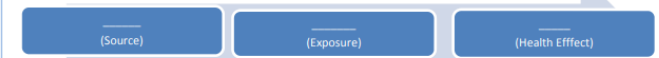
SIMULATING THE SOURCE-EXPOSURE PATHWAY

ard.
Address across the top.
g the pathway for the hazard or issue
point(s) of exposure, and identify the
vs below) given the available solutions.

source of a hazard is generally preferable
ure is preferable to having to wait to

4. You can repeat this exercise for each of the hazards your partnership would like to address.

Hazard: _____



Based on the identified pathway, what are possible opportunities to intervene?
Possible Solution(s): _____

Thank You!



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Jessica Bunting
R2p Director, CPWR
jbunting@cpwr.com

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