

## CPWR Construction Safety and Health Research and Resources on Latino Workers, Young Workers, and Small Businesses in the Construction Industry

The following are CPWR and CPWR-funded resources on Latino workers, young workers, and small businesses.

### Studies/Publications that Encompass More Than One of the Three Groups

These CPWR and/or CPWR-funded studies/publications may cover more than one of the groups:

- ➔ **Nonstandard Work Arrangements in the Construction Industry**, 2019  
Link: <https://www.cpwr.com/publications/nonstandard-work-arrangements-construction-industry>
- ➔ **Pilot-testing the Safety Climate Assessment Tool (S-CAT<sup>SC</sup>) for Small Hispanic Construction Firms**, 2018  
Link: <https://www.cpwr.com/sites/default/files/publications/RR2018-SCATSC-Spanish-Report.pdf>
- ➔ **The Construction Chart Book: The U.S. Construction Industry and Its Workers, 6th Ed.**, 2018. The Chart Book contains statistics on the construction industry's demographics and safety and health trends, including information on Latino/Hispanic workers, young workers, and small construction contractors.  
Link: <https://www.cpwr.com/publications/construction-chart-book>
- ➔ **Caught-in/between Injuries and Prevention in the Construction Industry**, 2017  
Link: <https://www.cpwr.com/publications/fourth-quarter-caught-inbetween-injuries-and-prevention-construction-industry>
- ➔ **Workplace Safety and Health Perceptions of Construction Workers**, 2016  
Link: <http://www.cpwr.com/publications/third-quarter-workplace-safety-and-health-perceptions-construction-workers>
- ➔ **Work-related musculoskeletal disorders among construction workers in the United States from 1992 to 2014**, 2016  
Link: <https://cpwr.com/publications/work-related-musculoskeletal-disorders-among-construction-workers-united-states-1992>
- ➔ **Electrocutions and Prevention in the Construction Industry**, 2017  
Link: <https://www.cpwr.com/publications/third-quarter-electrocutions-and-prevention-construction-industry>
- ➔ **Struck-by Injuries and Prevention in the Construction Industry**, 2017  
Link: <https://www.cpwr.com/publications/second-quarter-struck-injuries-and-prevention-construction-industry>
- ➔ **Fall injuries and prevention in the construction industry**, 2017  
Link: <https://www.cpwr.com/publications/first-quarter-fall-injuries-and-prevention-construction-industry>
- ➔ **Fall risk characteristics in the construction industry**, 2016 (In: Hongwei Hsiao, eds. *Fall Prevention and Protection: Principles, Guidelines and Practices*, pp.41-60.)  
Link: <https://www.crcpress.com/Fall-Prevention-and-Protection-Principles-Guidelines-and-Practices/PhD/p/book/9781482217148>
- ➔ **Health, Healthcare, and Medical Expenditures among Construction Workers**, 2016  
Link: <https://www.cpwr.com/publications/fourth-quarter-health-healthcare-and-medical-expenditures-among-construction-workers>

- ➔ **Impact of the Affordable Care Act on health insurance coverage and healthcare utilization among construction workers**, 2015  
Link: <https://www.cpwr.com/publications/fourth-quarter-impact-affordable-care-act-health-insurance-coverage-and-healthcare>
- ➔ **Temporary Workers in the Construction Industry**, 2015  
Link: <https://www.cpwr.com/publications/second-quarter-temporary-workers-construction-industry>
- ➔ **Fatal falls in the U.S. residential construction industry**, 2014  
Link: <http://onlinelibrary.wiley.com/doi/10.1002/ajim.22341/abstract>
- ➔ **Risks of a lifetime in construction, Part I: traumatic injuries**, 2014  
Link: <http://www.ncbi.nlm.nih.gov/pubmed/25060328>
- ➔ **Data Brief, New Trends in Fatalities among Construction Workers**, 2014  
Link:  
<https://www.cpwr.com/sites/default/files/publications/New%20Trends%20in%20Fatalities%20among%20Construction%20Workers.pdf>
- ➔ **Fatal falls from roofs among U.S. construction workers**, 2013  
Link: <https://www.cpwr.com/publications/fatal-falls-roofs-among-us-construction-workers>

### **Latino Worker Research and Resources**

*The following CPWR and/or CPWR-funded Latino worker resources:*

- ➔ **Hispanic Employment and Business Owners in the U.S. Construction Industry**, 2016  
Link: <https://www.cpwr.com/publications/first-quarter-hispanic-employment-and-business-owners-us-construction-industry>
- ➔ **Promoting adoption of fall prevention measures among Latino workers and residential contractors: formative research findings**, 2015  
Link: <https://www.ncbi.nlm.nih.gov/pubmed/26010497>
- ➔ **Using social media to inform Latino construction workers about fall protection**, 2015  
Link: [http://www.cpwr.com/sites/default/files/publications/WolfsonSocialMediaToolKF\\_2.pdf](http://www.cpwr.com/sites/default/files/publications/WolfsonSocialMediaToolKF_2.pdf)
- ➔ **Bending Toward Justice, How Latino Immigrants became community and safety leaders**, 2014  
Links:  
English - <http://www.cpwr.com/sites/default/files/publications/Bending%20Toward%20Justice.pdf>  
Spanish - <http://www.cpwr.com/sites/default/files/publications/Hacia%20la%20Justicia.pdf>
- ➔ **Construction Working Conditions in Texas: Survey Instrument Development and Pilot Project**, 2013  
Link: [http://www.cpwr.com/sites/default/files/publications/WorkerDefenseKF\\_0.pdf](http://www.cpwr.com/sites/default/files/publications/WorkerDefenseKF_0.pdf)
- ➔ **Analysis of Ethnic Disparities in Workers' Compensation Claims Using Data Linkage**, 2012  
Link: <http://www.cpwr.com/sites/default/files/publications/FriedmanRuestowForstWhiteConstructionKF.pdf>  
Link: [http://journals.lww.com/joem/Abstract/2012/10000/Analysis\\_of\\_Ethnic\\_Disparities\\_in\\_Workers\\_.13.aspx](http://journals.lww.com/joem/Abstract/2012/10000/Analysis_of_Ethnic_Disparities_in_Workers_.13.aspx)
- ➔ **A longitudinal assessment of occupation, respiratory symptoms, and blood lead levels among Latino day laborers...**, 2011  
Link: <http://www.cpwr.com/publications/longitudinal-assessment-occupation-respiratory-symptoms-and-blood-lead-levels-among-0>

- ➔ **Occupational Exposures, Respiratory Symptoms and Blood Lead Levels among Latino Day Workers in Greater New Orleans, 2011**  
Link: <http://www.cpwr.com/publications/occupational-exposures-respiratory-symptoms-and-blood-lead-levels-among-latino-day-0>
  
- ➔ **Immigrant Workers in U.S. Construction: Sharing Lessons Learned in Our Unions, 2010**  
Link: <http://www.cpwr.com/research/immigrant-workers-construction-sharing-lessons-learned-our-unions>  
Link: [http://www.cpwr.com/sites/default/files/Immigrant%20Workers%20in%20Construction\\_CPWR-LOHP%20Report.pdf](http://www.cpwr.com/sites/default/files/Immigrant%20Workers%20in%20Construction_CPWR-LOHP%20Report.pdf)
  
- ➔ **Part V. Empirical Studies, Chapter 16: Expanding Access to Health Care for Hispanic Construction Workers and Their Children, *Expanding Access to Health Care: A Management Approach*, 2009**  
Link: <http://www.cpwr.com/publications/expanding-access-health-care-hispanic-construction-workers-and-their-children>
  
- ➔ **Medical costs and sources of payment for work-related injuries among Hispanic construction workers, 2007**  
Link: <http://www.ncbi.nlm.nih.gov/pubmed/18231083>
  
- ➔ **Occupational fatalities of Hispanic construction workers from 1992 to 2000, 2004.**  
Link: <http://www.ncbi.nlm.nih.gov/pubmed/14691968>
  
- ➔ **Analysis of Work-Related Safety & Health Hazards of Unrepresented Workers in the Iron Working Industry, 2010**  
Link: <https://www.cpwr.com/publications/analysis-work-related-safety-health-hazards-unrepresented-workers-iron-working-industry>
  
- ➔ **Work-Related Injuries among Hispanic Construction Workers: Evidence from the Medical Expenditure Panel Survey, 2010**  
Link: <http://www.ncbi.nlm.nih.gov/pubmed/20187004>
  
- ➔ **The Economics of Immigration, CERN Meeting: December 2007**  
Link: <http://www.cpwr.com/research/cern-meeting-december-2007>
  
- ➔ **Spanish-Speaking Construction Workers Discuss Their Safety Needs and Experiences, 2004**  
Link: <https://www.cpwr.com/publications/spanish-speaking-construction-workers-discuss-their-safety-needs-and-experiences>
  
- ➔ **[Latino Worker Resources Collection](#), 2014** This collection contains additional resources (not listed above) including: 4 longer case examples, 13 shorter project write-ups, a list of 36 articles, as well as a list of thematic issues and potential areas for future research on Latino construction workers.  
Link: <https://www.cpwr.com/whats-new/latino-construction-worker-resources-collection>

*The following CPWR and/or CPWR-funded Latino worker resources are included in this Collection:*

1. **Latino Fall Prevention Partnerships, 2014**  
Link: <http://www.cpwr.com/research/latino-fall-prevention-partnerships>
  
2. **Using Social Media to Inform Latino Construction Workers about Fall Protection, 2014**  
Link: <http://www.cpwr.com/publications/using-social-media-inform-latino-construction-workers-about-fall-protection>
  
3. **The Impact of a Peer-Led Participatory Health and Safety Training Program for Latino Day Laborers in Construction, 2014**  
Link: <http://www.cpwr.com/publications/impact-peer-led-participatory-health-and-safety-training-program-latino-day-laborers>

4. **Use of a TV Show to Inform Latino Viewers about Construction Hazards and Safe Practices**, 2013  
Link: <http://www.cpwr.com/publications/use-tv-show-inform-latino-viewers-about-construction-hazards-and-safe-practices>
5. **Safety and Health Disparities among Construction Workers**, 2009 - 2013  
Link: <http://www.cpwr.com/research/safety-and-health-disparities-among-construction-workers>  
***The Impact of Language Barriers on Healthcare Utilization among Hispanic Construction Workers***, 2013  
Link: <http://www.cpwr.com/sites/default/files/publications/donglanguagebarrierskf.pdf>  
***Fatal falls among Hispanic construction workers***, 2009  
Link: [http://www.cpwr.com/sites/default/files/publications/dongfatalfallshispanicworkerskf\\_0.pdf](http://www.cpwr.com/sites/default/files/publications/dongfatalfallshispanicworkerskf_0.pdf)
6. **Evaluating the Efficacy of Safety Liaisons and Worker Training**, 2012  
Link: <http://www.cpwr.com/research/evaluating-efficacy-safety-liaisons-and-worker-training>  
***Beyond the Classroom – A Case Study of Immigrant Safety Liaisons in Residential Construction***, 2012  
Link: <http://www.cpwr.com/sites/default/files/publications/ochsnerbeyondclassroomkf.pdf>
7. **Latino Construction Worker Safety and Health Project**, 2011  
Link: <http://www.cpwr.com/research/latino-construction-worker-safety-and-health-project>  
***Empowering Day Laborers to Work Safely in Construction***, 2011  
Link: <http://www.cpwr.com/sites/default/files/publications/EmpoweringDayLaborsIMPACTCardPDF.pdf>
8. **Hispanic Workers in Construction**, 2009 – 2010  
Link: <http://www.cpwr.com/research/hispanic-workers-construction>
9. **Hispanic Employment in Construction**, 2009  
Link: <https://www.cpwr.com/publications/vol-1-no-1-hispanic-employment-construction>
10. **Health Insurance Coverage and Health Care Utilization Among Hispanic Construction Workers**, 2010  
Link: <https://www.cpwr.com/publications/health-insurance-coverage-and-health-care-utilization-among-hispanic-construction>
11. **Fatal and Nonfatal Injuries among Hispanic Construction Workers, 1992-2008**, 2010  
Link: <https://www.cpwr.com/publications/fatal-and-nonfatal-injuries-among-hispanic-construction-workers-1992-2008>

### Young Worker Resources

- ➔ **Long-term health outcomes of work-related injuries among construction workers—findings from the National Longitudinal Survey of Youth**, 2015  
Link: <https://www.cpwr.com/publications/long-term-health-outcomes-work-related-injuries-among-construction-workers-%E2%80%93findings>
- ➔ **Formative Research Findings - Integrating Occupational Safety and Health Training into Career Technical Education in Construction**, 2013  
Link: <http://www.cpwr.com/publications/integrating-occupational-safety-and-health-training-career-technical-education>
- ➔ **Disparities Surveillance Research**  
Link: <http://www.cpwr.com/research/disparities-surveillance-research>
- ➔ **Safety Voice for Ergonomics (SAVE)**  
Link: <http://www.cpwr.com/research/safety-voice-ergonomics-save>

→ **OSH Education in Post-secondary Career Technical Education Construction Programs**

Link: <http://www.cpwr.com/research/osh-education-post-secondary-career-technical-education-construction-programs>

**Small Business Resources**

→ **Fatal Injuries among Small Construction Establishments, 2018**

Link: <https://www.cpwr.com/publications/third-quarter-fatal-injuries-among-small-construction-establishments>

→ **Safety Management in the Construction Industry, 2017**

Link: [https://www.cpwr.com/sites/default/files/publications/Dodge\\_Safety\\_Report\\_2017.pdf](https://www.cpwr.com/sites/default/files/publications/Dodge_Safety_Report_2017.pdf)

→ **Workers' compensation loss prevention representative contact and risk of lost-time injury in construction policyholders, 2017**

Link: <https://www.cpwr.com/sites/default/files/publications/SchofieldInsuranceLossPreventionKF.pdf>

→ **Building a Safety Culture: Improving Safety & Health Management in the Construction Industry, 2016**

Link:

<https://www.cpwr.com/sites/default/files/publications/Building%20a%20Safety%20Culture%20SmartMarket%20Report%202016%20ff.pdf>

→ **Reaching Residential Contractors and Influencing their Safety and Health Practices Survey, 2014**

Link:

<https://www.cpwr.com/sites/default/files/publications/Reaching%20and%20Influencing%20Residential%20Contractors.pdf>

→ **Literature Review and Environmental Scan for Better Translation of Research to Practice in Residential Construction, 2013**

Link: <https://www.cpwr.com/publications/literature-review-and-environmental-scan-better-translation-research-practice>

→ **Safety Management in the Construction Industry, 2013**

Link: [https://www.cpwr.com/sites/default/files/publications/SafetyManagementinConstructionSMR-2013\\_0.pdf](https://www.cpwr.com/sites/default/files/publications/SafetyManagementinConstructionSMR-2013_0.pdf)

→ **Injury underreporting among small establishments in the construction industry, 2011**

Link: [http://www.cpwr.com/sites/default/files/publications/DongUnderreporting\\_webpost.pdf](http://www.cpwr.com/sites/default/files/publications/DongUnderreporting_webpost.pdf)

**Other CPWR Materials and Resources for the Three Groups (those available in Spanish are noted)**

→ **Best Built Plans – Manual Materials Handling Planning Tool and Resources:** provides contractors and workers with practical tools and information to plan for safe materials handling while staying productive and profitable.

Link: <https://www.cpwr.com/research/research-practice-library/construction-ergonomic-research-solutions/manual-materials-handling-planning-tool-and-resources>

→ **Best Built Plans – Lift Coach Microgames:** these games are used with related CPWR toolbox talks and hazard alert card, as well as with training programs to reinforce safe materials handling practices. They can also be used on their own.

Lift Coach: Plan Your Route (English and Spanish) - <https://www.cpwr.com/do-you-know-how-safely-move-materials>

Lift Coach: Plan Your Lift (English and Spanish) - <https://www.cpwr.com/do-you-know-how-safely-move-materials>

- ➔ **Foundations for Safety Leadership (FSL):** The FSL training module is an OSHA approved 30-hour elective module. It is designed to provide construction foremen and other lead workers with the skills to become effective safety leaders who are able to create a strong jobsite safety climate. The training module can also be used as a stand-alone class.  
Link: <https://www.cpwr.com/foundations-safety-leadership-fsl>  
Many of the FSL materials are available in Spanish: <https://www.cpwr.com/research/foundations-safety-leadership-fsl-spanish>
- ➔ **Safety Climate Assessment Tool (S-CAT):** The S-CAT is tool for contractors to assess their company's safety climate and get tips to improve it. The S-CAT is available in both online and print formats, and there is a streamlined version for Small Contractors (S-CAT<sup>SC</sup>). Both the S-CAT and S-CAT<sup>SC</sup> is available in English and Spanish.

#### ***Safety Climate Assessment Tool (S-CAT)***

##### **Booklet:**

Links:

English - [https://www.cpwr.com/sites/default/files/research/Safety\\_Climate\\_Assessment\\_Tool-S-CAT\\_092116.pdf](https://www.cpwr.com/sites/default/files/research/Safety_Climate_Assessment_Tool-S-CAT_092116.pdf)

Spanish - [https://www.cpwr.com/sites/default/files/publications/spanish/Safety\\_Climate\\_Assessment\\_Tool-S-CAT\\_Spanish\\_5-7-18.pdf](https://www.cpwr.com/sites/default/files/publications/spanish/Safety_Climate_Assessment_Tool-S-CAT_Spanish_5-7-18.pdf)

**S-CAT Online:** Click on then English or Spanish buttons to take the S-CAT

Links:

English Instructions - [https://safetyclimateassessment.com/?page\\_id=71204](https://safetyclimateassessment.com/?page_id=71204)

Spanish Instructions - <https://safetyclimateassessment.com/s-cat-pdfs/Instructions%20in%20Spanish.pdf>

#### ***Safety Climate Assessment Tool for Small Contractors (S-CAT<sup>SC</sup>)***

##### **Booklet:**

Links:

English - <https://www.cpwr.com/sites/default/files/publications/SCAT-SC.pdf>

Spanish - [https://www.cpwr.com/sites/default/files/research\\_s-cat-sc-small-contractors\\_spanish.pdf](https://www.cpwr.com/sites/default/files/research_s-cat-sc-small-contractors_spanish.pdf)

##### **S-CAT<sup>SC</sup> Online:**

English - [https://cpwr.az1.qualtrics.com/jfe/form/SV\\_3x6RhwceVP6A2z3](https://cpwr.az1.qualtrics.com/jfe/form/SV_3x6RhwceVP6A2z3)

Spanish - [https://cpwr.az1.qualtrics.com/jfe/form/SV\\_7UNw5Ud9Y0cz91X](https://cpwr.az1.qualtrics.com/jfe/form/SV_7UNw5Ud9Y0cz91X)

##### **Additional S-CAT<sup>SC</sup> resources**

**Link:** <https://www.cpwr.com/research/s-cat-sc-small-contractors>

- ➔ **Your Construction Safety Program: Safe Students, Safe Workers.** This handbook can help Career and Technical Education program administrators ensure that students entering the trades receive occupational safety and health preparation for their new careers, as well as skills training.

Link: [https://www.cpwr.com/sites/default/files/publications/LOHP\\_toolkit\\_final-12-4-17.pdf](https://www.cpwr.com/sites/default/files/publications/LOHP_toolkit_final-12-4-17.pdf)

- ➔ **Materials developed for the safety and health training program for Latino day laborers:** A complete safety and health training program for Latino day laborers. It includes the following materials, available in English and Spanish.

Link: <https://www.cpwr.com/research/completed/evaluating-efficacy-safety-liaisons-and-worker-training>

#### ***The Day Laborers' Health and Safety Workbook***

Links:

English - <http://www.cpwr.com/sites/default/files/publications/DayLaborersTrainingGuide-UIC-edition-English.pdf>

Spanish -

[http://www.cpwr.com/sites/default/files/publications/Latino%20S%26H%20Training%20Workbook\\_Rutgers-New%20Labor-2014.pdf](http://www.cpwr.com/sites/default/files/publications/Latino%20S%26H%20Training%20Workbook_Rutgers-New%20Labor-2014.pdf)

**Trainer's Companion Guide to the Day Laborers' Health and Safety Workbook**

Links:

English - [http://www.cpwr.com/sites/default/files/publications/Training%20Guide-English\\_Latino%20S-H%20Workbook.pdf](http://www.cpwr.com/sites/default/files/publications/Training%20Guide-English_Latino%20S-H%20Workbook.pdf)

Spanish - [http://www.cpwr.com/sites/default/files/publications/Training%20Guide-Guia%20complementario\\_Libro%20de%20trabajo%20de%20salud%20y%20seguridad.pdf](http://www.cpwr.com/sites/default/files/publications/Training%20Guide-Guia%20complementario_Libro%20de%20trabajo%20de%20salud%20y%20seguridad.pdf)

**Construction Safety Checklist** -- Printed checklists folded to fit in a pocket

Links:

English - [http://www.cpwr.com/sites/default/files/publications/ConstructionSafetyChecklist\\_English.pdf](http://www.cpwr.com/sites/default/files/publications/ConstructionSafetyChecklist_English.pdf)

Spanish - [http://www.cpwr.com/sites/default/files/publications/ConstructionSafetyChecklist\\_Lista-de-Chequeo-es.pdf](http://www.cpwr.com/sites/default/files/publications/ConstructionSafetyChecklist_Lista-de-Chequeo-es.pdf)

**About the Safety Checklist**

Links:

English - [http://www.cpwr.com/sites/default/files/publications/About\\_SafetyChecklist\\_English\\_web.pdf](http://www.cpwr.com/sites/default/files/publications/About_SafetyChecklist_English_web.pdf)

Spanish - [http://www.cpwr.com/sites/default/files/publications/About\\_SafetyChecklist\\_Spanish\\_web.pdf](http://www.cpwr.com/sites/default/files/publications/About_SafetyChecklist_Spanish_web.pdf)

**Safety Audit Checklist for Construction – a free bilingual template for an app**

Link: <http://www.cpwr.com/sites/default/files/publications/Sandy%20Audit%20LIVE%20draft%20EDITED.pdf>

**Tools for Researchers and Trainers** -- Bilingual surveys developed through research to measure progress made in understanding construction safety hazards and control techniques and reducing/eliminating hazards.

Links:

Safety Liaison Follow-up Survey -- Actions Taken - [http://www.cpwr.com/sites/default/files/publications/Follow-up%20Survey\\_Encuesta%20de%20seguimiento.pdf](http://www.cpwr.com/sites/default/files/publications/Follow-up%20Survey_Encuesta%20de%20seguimiento.pdf)

Safety Liaisons: Baseline Survey -

[http://www.cpwr.com/sites/default/files/publications/Baseline%20Survey\\_Encuesta%20de%20referencia.pdf](http://www.cpwr.com/sites/default/files/publications/Baseline%20Survey_Encuesta%20de%20referencia.pdf)

- ➔ **Toolbox Talks:** CPWR's toolbox talk series is designed to help contractors of all sizes educate their employees on how to identify and respond to hazards and improve jobsite safety. All are available in both English and Spanish for download on the CPWR website. New topics are added on a regular basis.  
Link: <https://www.cpwr.com/publications/toolbox-talks>
  - ➔ **Hazard Alert Cards:** CPWR Hazard Alerts describe common hazards and steps to reduce risks and prevent injuries and illnesses. All are available in both English and Spanish for download on the CPWR website. New topics are added on a regular basis.  
Link: <http://www.cpwr.com/publications/hazard-alert-cards>
  - ➔ **Infographics:** Using data from CPWR research and other trusted sources, these infographics were created to raise awareness of occupational hazards and solutions. They are available in English and Spanish and can be downloaded as PDFs or JPEGs for use in social media, presentations, and print materials. New topics are added on a regular basis.  
Link: <https://www.cpwr.com/research/infographics>
  - ➔ **Videos on a construction fatality or hazard and prevention**  
Link: <https://www.youtube.com/channel/UCAC28BCIEBdALIJ8A--MhWw>
- Lessons to Go Home Safe:** Two-three minute videos on trench collapse, overhead power-line electrocution, and using a stepladder. All videos are available for download on the CPWR website and on YouTube in English and Spanish.  
Link: <https://www.cpwr.com/publications/handouts-and-toolbox-talks/health-and-safety-videos>
- Don't Fall For It!** An 11-min. training video on ladder safety in high- and low-resolution and accompanying worker tip sheets. Videos and tip sheets are available in English and Spanish.  
Link: <https://www.cpwr.com/publications/handouts-and-toolbox-talks/health-and-safety-videos>

→ **eLCOSH – Electronic Library of Construction Occupational Safety and Health** -- Allows the user to easily identify materials by category (toolbox talks, presentations, etc.)

Links:

English – <http://www.elcosh.org>

Spanish – <http://www.elcosh.org/es/>