CPWR KEY FINDINGS FROM RESEARCH



Overview

The opioid crisis has had a substantial impact on the U.S. workforce, particularly construction workers. Studies have found that both the prevalence of opioid use and death rate due to opioid overdoses were significantly higher among construction workers than for workers in other industries. Previous CPWR research suggests that work-related injuries were strongly associated with higher prescription opioid use among construction workers, and approximately one-fourth of the industry's nonfatal injuries are musculoskeletal disorders (MSDs). Most studies on construction workers evaluated MSDs and opioid use separately; others were either clinical research or estimates based on workers' compensation data in nonconstruction settings, which cannot meet the needs of occupational surveillance and intervention in the construction industry. This study analyzed a large national survey dataset-the 2011-2017 Medical Expenditure Panel Survey (MEPS)-to examine the relationship between MSDs and prescription opioid use among construction workers.

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See abstract:

https://bit.ly/3kGtW1A

Learn more about CPWR's research on opioids:

https://bit.ly/2UAEULI

©2020, CPWR-The Center for Construction Research and Training. All rights reserved. CPWR is the research and training arm of NABTU. Production of this document was supported by cooperative agreement OH 009762 from the National Institute for Occupational Safety and Health (NIOSH). The contents are solely the responsibility of the authors and do not necessarily represent the official views of NIOSH. Connections between MSDs and Prescription Opioid Use in Construction

Musculoskeletal Disorders and Prescription Opioid Use among U.S. Construction Workers

Xiuwen Sue Dong, Raina D. Brooks, and Samantha Brown. Journal of Occupational and Environmental Medicine, 2020.

Key Findings

About 34.2% of construction workers reported at least one type of musculoskeletal disorder (MSD).

MSDs were more prevalent among construction workers who were older, selfemployed, or in poorer physical or mental health; but MSDs were less likely to be reported by workers who were racial/ethnic minorities or lacked health insurance.

Compared to workers without MSDs, prescription opioid use tripled among construction workers with any type of MSD and quadrupled among those with MSD injuries.

Prescription opioid use increased among workers with more than one type of MSD.

The findings suggest:

- The prevalence of MSDs in construction may be underestimated by injury data from the Bureau of Labor Statistics, as the estimates based on MEPS data indicate that the figure is much higher.
- To reduce the combined burden of MSDs and the opioid epidemic, the construction industry must adopt ergonomic solutions to reduce MSDs and support workers in injury recovery with effective, non-opioid pain management methods.



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