

DO YOUR WORKERS SHOW SIGNS OF FATIGUE?

If they aren't getting 7 to 9 hours of recommended sleep each night, your workers might be at risk. In the U.S., one in two extraction workers don't get enough sleep. Tired workers can experience increased negative health outcomes, including diabetes, high blood pressure, heart disease, stroke, and obesity. **Remember**: Good fatigue management is a shared responsibility that enables workers to be well-rested and alert on the job. Consider the facts below in deciding how to help workers manage fatigue, and make sure your workers are prepared to RISE AND MINE.

Burden of Fatigue in the U.S.

U.S. Population

Mining Population

Average hours worked per week²

34

Average hours worked per day²

8.8

Percentage working 60+ hours per week³

17.3

What Increases Fatigue Risk?

Poor Sleep

of work injuries can be attributed to sleep problems4

Work Hours

Long shifts + Night shifts + No breaks= more than 2 times increased risk of injury⁵

What Lowers Fatigue Risk?

Educating workers on healthy sleep

"Smart" shift scheduling

Rest breaks every few hours

Voluntary sleep disorder testing

Reducing demanding tasks at end of shift and end of work week

> Alternative commute services to and from work



^{1.} Shockey TM, Wheaton A G [2017]. Short sleep duration by occupation group—29 states, 2013–2014. MMWR. Morbidity and Mortality Weekly Report 66(8):207. https://dx.doi.org/10.15585%2Fmmwr.mm6608a2
2. Bureau of Labor Statistics [2019]. Employment, hours, and earnings from the current employment statistics survey. https://data.bls.gov/cgi-bin/dsrv?ce
3. Alterman T, Luckhaupt SE, Dahlhamer JM, Ward BW, Galvert GM [2013]. Prevalence rates of work organization characteristics among workers in the US: data from the 2010 National Health Interview Survey. Amer Journal Indust Medicine 56(6):647–659. https://doi.org/10.1002/ajim.22108
4. Uehli IK, Mehha AJ, Miedinger D, Hug K, Schindler C, Holsboer-Trachsler E, Leuppi JD, Klürici IK, 10214]. Sleep Demiss and work injuries: a systematic review and meta-analysis. Sleep Med Reviews 18(1):61–73. https://doi.org/10.1016/j.smrv.2013.01.004
5. Fischer D, Lombardi DA, Folkard S, Willetts J, Christiani DC [2017]. Updating the "Risk Index": A systematic review and meta-analysis of occupational injuries and work schedule characteristics. Chronobiology Int 34(10):1423–1438. https://doi.org/10.1080/07420528.2017.1367305