Connecticut's Work-Related Fatality Rate Second Lowest in Nation

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Connecticut lost 23 lives to work injuries in 2021, for a rate of 1.4 deaths per 100,000 full-time equivalent workers. This is the lowest recorded number of deaths since the program began in 1992. This is a decrease from 2020’s 29 deaths and is below Connecticut’s annual average of 38 work-related deaths (Chart 1). Only one other state –Rhode Island – recorded a rate lower than Connecticut’s (Table 1).

 The nation lost 5,190 lives to workplace injuries in 2021, an increase from 2020’s 4,764 deaths. The fatal injury rate increased from 3.4 per 100,000 full-time equivalent workers in 2020 to 3.6 in 2021. The highest loss was seen in Texas with 533 deaths, followed by California with 462 deaths and Florida with 315 deaths. High rates were recorded in Wyoming (10.4) and North Dakota (9.0). Rhode Island had 5 deaths, the lowest recorded number for states.

**Industry**

 Nationally, the construction industry recorded the highest number of deaths at 986, followed by transportation and warehousing with 976 deaths. Together, these two industries account for 38 percent of deaths.

With 6 deaths, the construction industry had the highest number of deaths in Connecticut, accounting for 26.1 percent of 2021’s deaths. Administrative and waste services came in second with 5 deaths, accounting for 21.7 percent of total deaths (Table 2). With an overall rate of 1.4, Connecticut saw a rate of 5.2 in construction and 2.5 in professional and business services. Rates for other industry sectors did not meet publishing criteria.

**Worker Characteristics**

 Eighteen of the workers were wage and salary workers; five were self-employed. Fifty seven percent (13) of deaths were white. Six were Hispanic or Latino. Nationally, Hispanic or Latino workers made up 21.8 percent of fatal occupational injuries in 2021. Deaths for Black or African American workers climbed to 653 in 2021 from 541 in 2020, a 20.7 percent increase.

 While Connecticut data was not published for gender, nationally 91 percent of 2021’s work-related deaths were men. In both Connecticut and the nation, 35 percent of workplace fatalities were age 55 and over.

**Event**

 Historically, the United States loses the most workers to transportation incidents. The year 2021 saw 1,982 lives lost to transportation incidents – 38 percent of all work-related deaths. Falls, slips and trips was the second most common event with 850 deaths (16 percent). Exposure to harmful substances or environments was the third most common event with 798 deaths (15 percent). Violence and other injuries by persons or animals had 761 deaths (15 percent). Workplace homicides claimed 481 lives and suicides claimed 236.

 With seven deaths, transportation incidents claimed the most lives in Connecticut, accounting for 30 percent of total deaths. The contact with objects and equipment category had 6 deaths, and exposure to harmful substances or environments had 4 deaths.

**Occupations**

 Construction and extraction occupations and transportation and material moving occupations each lost six lives in Connecticut, accounting for 52 percent of total deaths. Three of the transportation and material moving occupations were motor vehicle operators (Table 4).

 Nationally, the transportation and material moving occupational group and the construction and extraction occupational group accounted for 47.7 percent of worker deaths in 2021. Transportation and material moving occupations lost 1,523 workers and construction and extraction occupations lost 951 workers. While the overall rate was 3.6 for 100,000 full time equivalent workers, logging workers saw a rate of 82.2. This was followed by fishing and hunting workers with a rate of 75.2 and roofers with a rate of 59.0.

**Identifying Work-Related Deaths**

 The CFOI (Census of Fatal Occupational Injuries) program reports fatal work injuries only. CFOI does not report any illness related information, including COVID-19. The CFOI program requires a minimum of two sources to verify a work-related death. The media is often the first notice of a work-related death. Other resources include death certificates, coast guard reports, the NHTSA (National Highway and Traffic Safety Administration), and OSHA (Occupational Safety and Health Administration).

 While every attempt is made to capture every work-related death, some are missed. The CFOI program uses diverse state, federal, and independent data sources to identify, verify, and describe fatal work injuries. This ensures counts are as complete and accurate as possible.

 It is important to note that the Bureau of Labor Statistics holds all information on companies and the deceased in strict confidence. Information is never shared for compliance measures.

 OSHA requires all employers to report workplace fatalities within eight hours. Included are small establishments and industries that are normally exempt from OSHA jurisdiction. Natural deaths, such as heart attacks, must also be reported. However, many employers are unaware of this requirement. Additionally, OSHA does not require employers to report all fatalities. Employers are not required to report:

o Street and transportation deaths unless they occur in a construction work zone

o Deaths on commercial or public transportation systems (airplane, subway, bus, train, etc.)

o Deaths occurring more than 30 days after the incident

 OSHA does not investigate every work-related death. Homicides and most transportation incidents fall outside OSHA’s jurisdiction. However, OSHA is beginning to investigate some of these incidents to develop training programs. Homicides may be prevented with changes in security cameras and enforcing safety rules. Transportation deaths can be prevented with training programs on distracted driving, sleep deprivation, and safe driving techniques.

**History of the Program**

 When President Nixon signed the Occupational Safety and Health Act of 1970 (OSHA) into law, a census of workplace fatalities did not exist. It was estimated that approximately 14,000 workers were killed on the job annually. While OSHA immediately began investigating workplace deaths, the U.S. Department of Labor did not have a comprehensive statistical program dedicated to documenting workplace deaths.

In 1992, the Bureau of Labor Statistics’ Census of Fatal Occupational Injuries (CFOI) was established to track all work-related deaths and collect the much-needed data. That first year, 6,217 deaths were documented nationally, 42 of which were in Connecticut. Since then, national numbers have dropped by 17 percent to 5,190 deaths in 2021.

 Since 1992, the CFOI program has seen several changes. Prior to 2006, rates were calculated per 100,000 workers. Now the rates take into account the number of hours spent in the workplace, resulting in rates per 100,000 full-time equivalent workers. The coding structure for nature, part of body, event, and sources was changed in 2011. In 2012, the program began documenting contractor status, the use of drugs or alcohol, seat belt use, and union status.

 Most recently, there has been a change in the release of data. Formerly, a preliminary release was made in August or September with revised, final data published in April of the following year. Beginning with the 2015 reference year, final data is now released in December – 4 months earlier than in past years. This December release is the only release of CFOI data.

 The program continues to develop to meet the needs of researchers, as the data is beneficial in creating engineering solutions, regulations, and education programs to minimize workplace deaths. n