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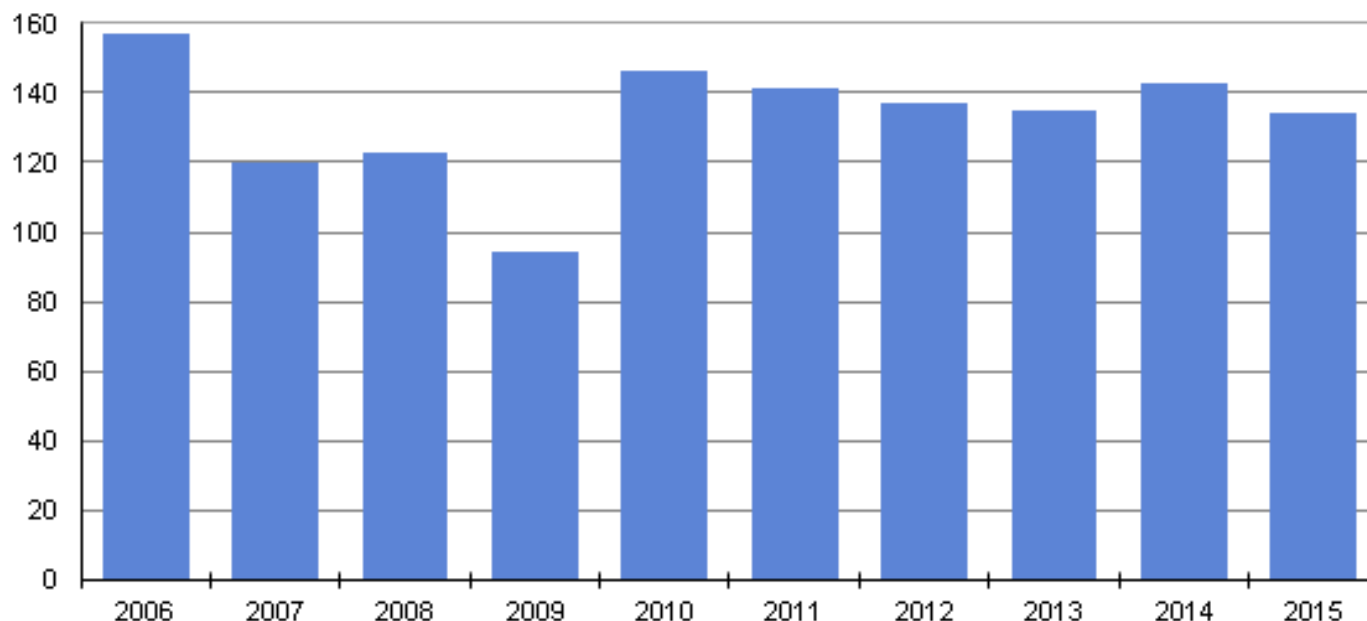
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## **Fatal Work Injuries in Michigan — 2015**

Fatal work injuries totaled 134 in 2015 for Michigan, the U.S. Bureau of Labor Statistics reported today. Assistant Commissioner for Regional Operations Charlene Peiffer noted that the number of work-related fatalities in Michigan was down from 143 in the previous year. Fatal occupational injuries in the state have ranged from a high of 182 in 1999 to a low of 94 in 2009. (See [chart 1.](#))

Nationwide, a total of 4,836 fatal work injuries were recorded in 2015, a slight increase from the 4,821 fatal injuries in 2014, according to the results from the Census of Fatal Occupational Injuries (CFOI) program.

**Chart 1. Total fatal occupational injuries, Michigan, 2006–2015**



SOURCE: U.S. Bureau of Labor Statistics.

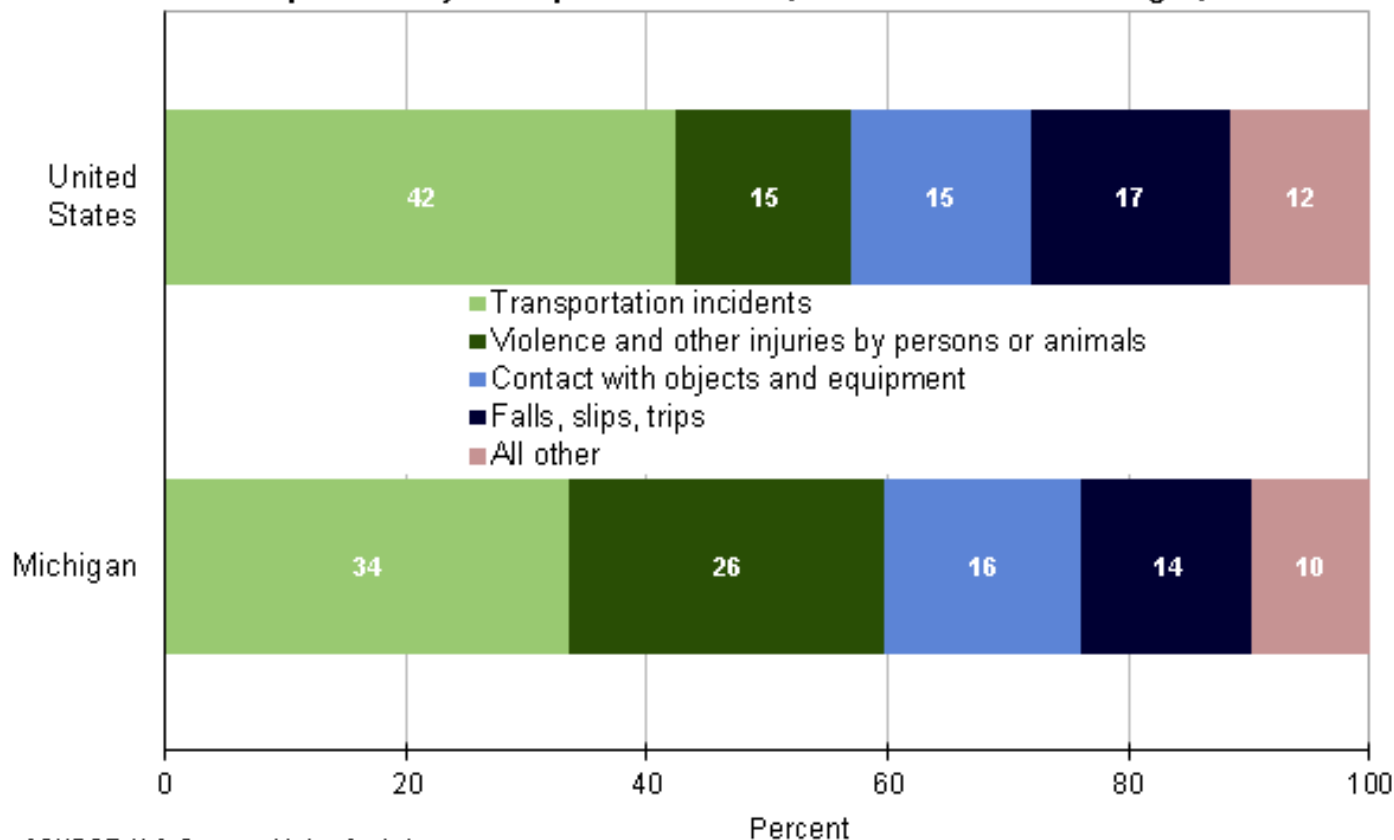
### **Type of incident**

In Michigan, transportation incidents resulted in 45 fatal work injuries and violence or other injuries by persons or animals accounted for 35 fatalities. These two major categories accounted for 60 percent of all workplace fatalities in the state. (See [table 1.](#)) The number of worker deaths from transportation incidents were down over the year and worker fatalities due to violence or other injuries by persons or animals were little changed.

Contact with objects or equipment was the third-most frequent fatal work event with 22 fatalities, unchanged from the prior year. Falls, slips, or trips resulted in 19 work-related deaths, down from 24 in 2014.

Nationally, transportation incidents were the most frequent fatal workplace event in 2015, accounting for approximately 42 percent of fatal work injuries. (See [chart 2.](#)) Falls, slips, or trips was the second-most frequent type of event (17 percent), followed by contact with objects and equipment (15 percent) and violence and other injuries by persons or animals (15 percent).

**Chart 2. Fatal occupational injuries by selected event, United States and Michigan, 2015**



## Industry

The private agriculture, forestry, fishing, and hunting industry sector had the largest number of fatalities in Michigan with 23, little changed from the previous year. (See [table 2.](#)) Transportation incidents was the most frequent fatal event with 12 worker deaths, followed by contact with objects and equipment with 4 fatalities. Fifty-two percent those fatally injured in this sector worked in crop production.

The private construction sector had 22 workplace fatalities, little changed from the previous year. Specialty trade contractors accounted for 12, or 55 percent, of the fatal injuries in this industry.

## Occupation

Transportation and material moving occupations and management occupations had the highest number of workplace fatalities with 29 and 28, respectively. (See [table 3.](#)) Heavy and tractor-trailer truck drivers accounted for 13 of the 29 fatalities among transportation and material moving workers. The majority of the fatalities within the management group were farmers, ranchers, and other agricultural managers (18).

## Additional highlights

- Men accounted for 89 percent of the work-related fatalities in Michigan, lower than the 93-percent national share. (See [table 4](#).) Transportation incidents and violence and other injuries by persons or animals made up 32 percent and 27 percent, respectively, of the fatalities for men in Michigan.
- White non-Hispanics accounted for 72 percent of those who died from a workplace injury. Nationwide, this group accounted for 67 percent of work-related deaths.
- Workers 25-54 years old accounted for 52 percent of the state's work-related fatalities in 2015, compared to 57 percent of on-the-job fatalities nationally.
- Of the 134 fatal work injuries in Michigan, 63 percent worked for wages and salaries; the remainder were self-employed. The most frequent fatal event for wage and salary workers was transportation incidents; transportation incidents and violence and other injuries by persons or animals were the most frequent fatal events for self-employed workers.

### Change in the Census of Fatal Occupational Injuries (CFOI) News Release Schedule

Beginning with the 2015 reference year, CFOI will publish a single, annual release with no revisions. A similar schedule will be followed in subsequent years. Preliminary releases, which normally appeared in August or September in past years, will no longer be produced.

## Technical Note

**Background of the program.** The Census of Fatal Occupational Injuries (CFOI), part of the BLS Occupational Safety and Health Statistics (OSHS) program, compiles a count of all fatal work injuries occurring in the U.S. during the calendar year. 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. For the 2015 data, over 21,400 unique source documents were reviewed as part of the data collection process. For technical information and definitions for CFOI, please go to the BLS Handbook of Methods on the BLS web site at [www.bls.gov/opub/hom/pdf/homch9.pdf](http://www.bls.gov/opub/hom/pdf/homch9.pdf).

**Federal/State agency coverage.** The Census of Fatal Occupational Injuries includes data for all fatal work injuries, whether the decedent was working in a job covered by the Occupational Safety and Health Administration (OSHA) or other federal or state agencies or was outside the scope of regulatory coverage. Thus, any comparison between the BLS fatality census counts and those released by other agencies should take into account the different coverage requirements and definitions being used by each agency.

**Acknowledgments.** BLS thanks the Michigan Department of Licensing and Regulatory Affairs for their efforts in collecting accurate, comprehensive, and useful data on fatal work injuries. BLS also appreciates the efforts of all federal, state, local, and private sector entities that provided source documents used to identify fatal work injuries. Among these agencies are the Occupational Safety and Health Administration; the National Transportation Safety Board; the U.S. Coast Guard; the Mine Safety and Health Administration; the Office of Workers' Compensation Programs (Federal Employees' Compensation and Longshore and Harbor Workers' Compensation divisions); the Federal Railroad Administration; the National Highway Traffic Safety

Administration; state vital statistics registrars, coroners, and medical examiners; state departments of health, labor, and industrial relations and workers' compensation agencies; state and local police departments; and state farm bureaus.

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: (800) 877-8339.

**Table 1. Fatal occupational injuries by event or exposure, Michigan, 2014–15**

Event or exposure <sup>(1)</sup>	2014	2015	
	Number	Number	Percent
Total.....	143	134	100
Violence and other injuries by persons or animals.....	32	35	26
Intentional injury by person .....	27	34	25
Homicides (Intentional injury by other person).....	18	22	16
Shooting by other person--intentional .....	14	19	14
Suicides (Self-inflicted injury--intentional) .....	9	12	9
Shooting--intentional self-harm .....	4	7	5
Transportation incidents .....	51	45	34
Aircraft incidents.....	5	3	2
Aircraft crash during takeoff or landing.....	--	3	2
Pedestrian vehicular incident .....	10	5	4
Roadway incidents involving motorized land vehicle .....	25	27	20
Roadway collision with other vehicle.....	14	14	10
Roadway collision--moving in opposite directions, oncoming .....	4	5	4
Roadway collision--moving perpendicularly .....	6	3	2
Roadway collision--moving and standing vehicle in roadway .....	1	4	3
Roadway collision with object other than vehicle .....	8	7	5
Vehicle struck object or animal on side of roadway .....	6	6	4
Roadway noncollision incident .....	3	6	4
Jack-knifed or overturned, roadway .....	--	5	4
Nonroadway incident involving motorized land vehicles .....	5	10	7
Nonroadway noncollision incident.....	4	8	6
Jack-knifed or overturned, nonroadway .....	--	4	3
Fall or jump from and struck by same vehicle in normal operation, nonroadway .....	--	3	2
Fires and explosions .....	3	3	2
Falls, slips, trips.....	24	19	14
Falls on same level.....	4	5	4
Falls to lower level.....	20	14	10
Other fall to lower level.....	17	10	7
Other fall to lower level 16 to 20 feet.....	4	3	2
Exposure to harmful substances or environments .....	11	10	7
Exposure to other harmful substances.....	5	6	4
Nonmedical use of drugs or alcohol--unintentional overdose .....	3	3	2
Inhalation of harmful substance .....	--	3	2
Inhalation of harmful substance--single episode .....	--	3	2
Contact with objects and equipment .....	22	22	16
Struck by object or equipment.....	15	12	9
Struck by powered vehicle--nontransport.....	4	6	4
Struck by falling object or equipment--other than powered vehicle.....	9	5	4
Caught in or compressed by equipment or objects.....	4	5	4
Caught in running equipment or machinery .....	4	5	4
Struck, caught, or crushed in collapsing structure, equipment, or material.....	3	4	3

**Footnotes:**

(1) Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

NOTE: Data for all years are final. Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event. Dashes indicate no data reported or data that do not meet publication criteria.

**Table 2. Fatal occupational injuries by industry, Michigan, 2014–15**

Industry <sup>(1)</sup>	2014	2015	
	Number	Number	Percent
Total .....	143	134	100
Private industry .....	134	127	95
Natural resources and mining .....	25	24	18
Agriculture, forestry, fishing and hunting .....	25	23	17
Crop production .....	12	12	9
Oilseed and grain farming .....	4	6	4
Corn farming .....	3	3	2
Animal production and aquaculture .....	6	9	7
Cattle ranching and farming .....	6	7	5
Dairy cattle and milk production .....	5	5	4
Construction .....	23	22	16
Construction .....	23	22	16
Construction of buildings .....	8	8	6
Residential building construction .....	5	6	4
Residential building construction .....	5	6	4
Residential remodelers .....	5	4	3
Specialty trade contractors .....	14	12	9
Foundation, structure, and building exterior contractors .....	5	4	3
Building equipment contractors .....	6	5	4
Plumbing, heating, and air-conditioning contractors .....	3	4	3
Manufacturing .....	11	19	14
Manufacturing .....	11	19	14
Food manufacturing .....	--	3	2
Fabricated metal product manufacturing .....	1	3	2
Transportation equipment manufacturing .....	4	4	3
Motor vehicle manufacturing .....	--	3	2
Automobile and light duty motor vehicle manufacturing .....	--	3	2
Automobile manufacturing .....	--	3	2
Trade, transportation, and utilities .....	39	28	21
Wholesale trade .....	6	8	6
Merchant wholesalers, durable goods .....	4	3	2
Merchant wholesalers, nondurable goods .....	2	5	4
Retail trade .....	13	8	6
Transportation and warehousing .....	19	12	9
Truck transportation .....	12	4	3
General freight trucking .....	8	4	3
General freight trucking, long-distance .....	7	3	2
General freight trucking, long-distance, truckload .....	6	3	2
Support activities for transportation .....	1	3	2
Financial activities .....	5	8	6
Real estate and rental and leasing .....	4	7	5
Real estate .....	3	5	4
Lessors of real estate .....	--	4	3
Lessors of residential buildings and dwellings .....	--	3	2
Professional and business services .....	8	12	9
Professional and technical services .....	--	4	3
Professional, scientific, and technical services .....	--	4	3
Administrative and waste services .....	7	8	6
Administrative and support services .....	5	8	6
Services to buildings and dwellings .....	4	5	4
Landscaping services .....	3	3	2
Leisure and hospitality .....	9	8	6
Accommodation and food services .....	6	6	4
Food services and drinking places .....	4	6	4
Restaurants and other eating places .....	3	4	3
Restaurants and other eating places .....	3	4	3

Note: See footnotes at end of table.

**Table 2. Fatal occupational injuries by industry, Michigan, 2014–15 - Continued**

Industry <sup>(1)</sup>	2014	2015	
	Number	Number	Percent
Limited-service restaurants .....	--	4	3
Other services, except public administration.....	9	5	4
Other services, except public administration.....	9	5	4
Repair and maintenance .....	4	3	2
Government <sup>(2)</sup> .....	9	7	5
Federal government .....	--	1	1
State government .....	3	2	1
Local government.....	5	4	3

Footnotes:

(1) Industry data are based on the North American Industry Classification System, 2012.

(2) Includes fatal injuries to workers employed by governmental organizations regardless of industry.

NOTE: Data for all years are final. Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event. Dashes indicate no data reported or data that do not meet publication criteria.

**Table 3. Fatal occupational injuries by occupation, Michigan, 2014–15**

Occupation <sup>(1)</sup>	2014	2015	
	Number	Number	Percent
Total .....	143	134	100
Management occupations .....	22	28	21
Other management occupations .....	19	24	18
Farmers, ranchers, and other agricultural managers .....	11	18	13
Farmers, ranchers, and other agricultural managers .....	11	18	13
Property, real estate, and community association managers .....	3	4	3
Property, real estate, and community association managers .....	3	4	3
Protective service occupations .....	3	4	3
Building and grounds cleaning and maintenance occupations .....	6	4	3
Grounds maintenance workers .....	1	3	2
Grounds maintenance workers .....	1	3	2
Sales and related occupations .....	9	8	6
Supervisors of sales workers .....	4	5	4
First-line supervisors of sales workers .....	4	5	4
First-line supervisors of retail sales workers .....	3	4	3
Office and administrative support occupations .....	5	3	2
Farming, fishing, and forestry occupations .....	11	8	6
Agricultural workers .....	6	5	4
Miscellaneous agricultural workers .....	6	5	4
Farmworkers, farm, ranch, and aquacultural animals .....	1	3	2
Forest, conservation, and logging workers .....	5	3	2
Construction and extraction occupations .....	19	22	16
Supervisors of construction and extraction workers .....	3	3	2
First-line supervisors of construction trades and extraction workers .....	3	3	2
First-line supervisors of construction trades and extraction workers .....	3	3	2
Construction trades workers .....	15	17	13
Construction laborers .....	8	8	6
Construction laborers .....	8	8	6
Installation, maintenance, and repair occupations .....	12	7	5
Other installation, maintenance, and repair occupations .....	7	5	4
Maintenance and repair workers, general .....	--	4	3
Maintenance and repair workers, general .....	--	4	3
Production occupations .....	8	12	9
Supervisors of production workers .....	--	5	4
First-line supervisors of production and operating workers .....	--	5	4
First-line supervisors of production and operating workers .....	--	5	4
Other production occupations .....	--	3	2
Transportation and material moving occupations .....	31	29	22
Motor vehicle operators .....	17	23	17
Driver/sales workers and truck drivers .....	15	20	15
Driver/sales workers .....	--	3	2
Heavy and tractor-trailer truck drivers .....	14	13	10
Light truck or delivery services drivers .....	1	4	3
Material moving workers .....	9	5	4
Laborers and material movers, hand .....	5	4	3
Laborers and freight, stock, and material movers, hand .....	5	3	2

**Footnotes:**

(1) Occupation data are based on the Standard Occupational Classification system, 2010.

NOTE: Data for all years are final. Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event. Dashes indicate no data reported or data that do not meet publication criteria.

**Table 4. Fatal occupational injuries by worker characteristics, Michigan, 2014–15**

Worker characteristics	2014	2015	
	Number	Number	Percent
Total .....	143	134	100
<b>Employee status</b>			
Wage and salary workers <sup>(1)</sup> .....	92	85	63
Self-employed <sup>(2)</sup> .....	51	49	37
<b>Gender</b>			
Men .....	125	119	89
Women .....	18	15	11
<b>Age <sup>(3)</sup></b>			
Under 16 years .....	--	1	1
16 to 17 years .....	--	1	1
18 to 19 years .....	--	1	1
20 to 24 years .....	11	9	7
25 to 34 years .....	21	19	14
35 to 44 years .....	32	23	17
45 to 54 years .....	31	28	21
55 to 64 years .....	26	26	19
65 years and over .....	22	26	19
<b>Race or ethnic origin <sup>(4)</sup></b>			
White, non-Hispanic .....	117	96	72
Black or African-American, non-Hispanic .....	15	18	13
Hispanic or Latino .....	6	12	9
Asian, non-Hispanic .....	3	4	3

## Footnotes:

(1) May include volunteers and workers receiving other types of compensation.

(2) Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

(3) Information may not be available for all age groups.

(4) Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude Hispanic and Latino workers.

NOTE: Data for all years are final. Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. CFI fatality counts exclude illness-related deaths unless precipitated by an injury event. Dashes indicate no data reported or data that do not meet publication criteria.