

TABLE A-8. Fatal occupational injuries by event or exposure and age, All United States, 2002

| Event or exposure ¹ | Total fatalities (number) | Age (percent) | | | | | | | | |
|---|---------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| | | Under 16 years | 16-17 years | 18-19 years | 20-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65 years and over |
| Total | 5,524 | 0.3 | 0.5 | 1.7 | 7.9 | 18.5 | 25.4 | 22.6 | 14.2 | 8.9 |
| Transportation incidents | 2,381 | 0.4 | 0.6 | 1.6 | 7.5 | 17.3 | 24.4 | 21.8 | 15.7 | 10.4 |
| Highway incident | 1,372 | -- | 0.4 | 1.8 | 7.7 | 17.9 | 26.3 | 22.0 | 15.2 | 8.2 |
| Highway incident, unspecified | 22 | -- | -- | -- | -- | 13.6 | 50.0 | -- | -- | -- |
| Collision between vehicles, mobile equipment | 635 | -- | -- | 1.4 | 7.1 | 14.2 | 27.1 | 22.7 | 15.6 | 11.3 |
| Collision between vehicles, mobile equipment, unspecified | 46 | -- | -- | 6.5 | -- | 21.7 | 10.9 | 30.4 | 17.4 | 10.9 |
| Re-entrant collision | 9 | -- | -- | -- | -- | -- | -- | 33.3 | 33.3 | -- |
| Moving in same direction | 155 | -- | -- | -- | 5.8 | 10.3 | 32.3 | 25.2 | 14.8 | 11.0 |
| Moving in opposite directions, oncoming | 202 | -- | -- | 1.5 | 9.4 | 14.9 | 33.7 | 16.3 | 14.9 | 9.4 |
| Moving in intersection | 145 | -- | -- | 2.1 | 5.5 | 14.5 | 22.8 | 21.4 | 18.6 | 14.5 |
| Moving and standing vehicle, mobile equipment--in roadway | 46 | -- | -- | -- | 15.2 | 19.6 | 13.0 | 30.4 | 10.9 | 10.9 |
| Moving and standing vehicle, mobile equipment--side of road | 19 | -- | -- | -- | -- | -- | 31.6 | 36.8 | -- | -- |
| Collision between vehicles, mobile equipment, n.e.c. | 13 | -- | -- | -- | -- | -- | 30.8 | 23.1 | -- | -- |
| Vehicle struck stationary object or equipment in roadway | 33 | -- | -- | -- | -- | 21.2 | 12.1 | 36.4 | 21.2 | -- |
| Vehicle struck stationary object, equipment on side of road | 293 | -- | -- | 2.4 | 7.2 | 21.8 | 26.3 | 21.2 | 16.0 | 4.8 |
| Noncollision incident | 373 | -- | -- | 2.1 | 9.4 | 21.4 | 24.9 | 20.9 | 14.2 | 5.9 |
| Noncollision incident, unspecified | 5 | -- | -- | -- | -- | 60.0 | -- | -- | -- | -- |
| Jack-knifed or overturned--no collision | 312 | -- | -- | 2.6 | 10.6 | 21.2 | 24.7 | 21.5 | 14.1 | 4.5 |
| Ran off highway--no collision | 25 | -- | -- | -- | -- | 20.0 | 28.0 | 24.0 | -- | 12.0 |
| Sudden start or stop, n.e.c. | 9 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Noncollision incident, n.e.c. | 21 | -- | -- | -- | -- | 19.0 | 33.3 | 14.3 | 14.3 | 14.3 |
| Highway incident, n.e.c. | 16 | -- | -- | -- | 18.8 | -- | 25.0 | 25.0 | -- | -- |
| Nonhighway incident, except rail, air, water | 322 | 1.9 | -- | -- | 7.1 | 12.7 | 16.5 | 20.8 | 15.8 | 24.2 |
| Collision between vehicles or mobile equipment | 12 | -- | -- | -- | -- | 25.0 | -- | 25.0 | -- | -- |
| Vehicle, mobile equipment struck stationary object | 32 | -- | -- | -- | -- | 15.6 | 9.4 | 28.1 | 9.4 | 25.0 |
| Noncollision incident | 270 | 1.5 | -- | -- | 7.0 | 12.2 | 17.4 | 19.6 | 17.0 | 24.1 |
| Noncollision incident, unspecified | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Fall from moving vehicle, mobile equipment | 20 | -- | -- | -- | -- | 20.0 | 20.0 | -- | 15.0 | 30.0 |
| Fell from and struck by vehicle, mobile equipment | 58 | -- | -- | -- | 12.1 | 10.3 | 22.4 | 8.6 | 17.2 | 25.9 |
| Overturned | 164 | -- | -- | -- | 5.5 | 11.6 | 14.0 | 25.0 | 18.3 | 22.6 |
| Loss of control | 6 | -- | -- | -- | -- | -- | 66.7 | -- | -- | -- |
| Noncollision incident, n.e.c. | 16 | -- | -- | -- | -- | 18.8 | -- | 31.3 | -- | 25.0 |
| Nonhighway incident, n.e.c. | 7 | -- | -- | -- | -- | -- | -- | -- | -- | 42.9 |
| Pedestrian, nonpassenger struck by vehicle, mobile equipment | 356 | -- | 1.1 | 2.5 | 7.3 | 17.4 | 21.3 | 21.3 | 17.1 | 11.0 |
| Pedestrian struck by vehicle, mobile equipment, unspecified | 6 | -- | -- | -- | -- | -- | -- | 50.0 | -- | -- |
| Pedestrian struck by vehicle, mobile equipment in roadway | 126 | -- | -- | -- | 6.3 | 12.7 | 18.3 | 25.4 | 18.3 | 15.1 |
| Pedestrian struck by vehicle, mobile equipment on side of road | 60 | -- | -- | -- | 11.7 | 23.3 | 20.0 | 25.0 | 11.7 | 5.0 |
| Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway area | 164 | -- | -- | 3.0 | 6.7 | 19.5 | 23.8 | 15.9 | 18.3 | 10.4 |
| Railway incident | 64 | -- | -- | -- | 10.9 | 14.1 | 23.4 | 23.4 | 18.8 | 7.8 |
| Collision between railway vehicles | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Collision between railway vehicle and other vehicle | 47 | -- | -- | -- | 10.6 | 12.8 | 27.7 | 19.1 | 17.0 | 10.6 |
| Fell from and struck by railway vehicle | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Railway incident, n.e.c. | 5 | -- | -- | -- | -- | -- | -- | 80.0 | -- | -- |
| Water vehicle incident | 71 | -- | -- | -- | 5.6 | 18.3 | 33.8 | 21.1 | 8.5 | 4.2 |

See footnotes at end of table.

TABLE A-8. Fatal occupational injuries by event or exposure and age, All United States, 2002 - continued

| Event or exposure ¹ | Total fatalities (number) | Age (percent) | | | | | | | | |
|--|---------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| | | Under 16 years | 16-17 years | 18-19 years | 20-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65 years and over |
| Collision | 8 | -- | -- | -- | -- | -- | -- | -- | 37.5 | -- |
| Fall from ship, boat, n.e.c. | 27 | -- | -- | -- | 11.1 | 14.8 | 40.7 | 18.5 | -- | -- |
| Fall on ship, boat | 8 | -- | -- | -- | -- | -- | -- | 37.5 | -- | -- |
| Sinking, capsized water vehicle | 19 | -- | -- | -- | -- | 26.3 | 31.6 | 15.8 | -- | -- |
| Water vehicle incident, n.e.c. | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aircraft incident | 192 | -- | -- | -- | 6.3 | 20.8 | 26.6 | 22.4 | 18.2 | 4.7 |
| Aircraft incident, unspecified | 24 | -- | -- | -- | 16.7 | 25.0 | 25.0 | 12.5 | 12.5 | -- |
| During takeoff or landing | 51 | -- | -- | -- | -- | 19.6 | 25.5 | 21.6 | 23.5 | -- |
| Aircraft incident, n.e.c. | 117 | -- | -- | -- | 5.1 | 20.5 | 27.4 | 24.8 | 17.1 | 4.3 |
| Assaults and violent acts | 840 | 0.4 | 0.4 | 1.5 | 6.0 | 21.8 | 27.7 | 24.5 | 12.7 | 5.0 |
| Homicides | 609 | -- | 0.5 | 1.6 | 5.6 | 24.1 | 27.4 | 24.1 | 12.5 | 3.9 |
| Homicides, unspecified | 9 | -- | -- | -- | -- | -- | 33.3 | -- | -- | 33.3 |
| Hitting, kicking, beating | 34 | -- | -- | -- | -- | 17.6 | 14.7 | 23.5 | 29.4 | -- |
| Shooting | 469 | -- | -- | 1.3 | 5.3 | 25.8 | 29.2 | 23.7 | 11.3 | 2.8 |
| Stabbing | 58 | -- | -- | -- | 8.6 | 19.0 | 17.2 | 29.3 | 17.2 | 5.2 |
| Homicides, n.e.c. | 38 | -- | -- | -- | -- | 23.7 | 31.6 | 23.7 | -- | -- |
| Self-inflicted injury | 199 | -- | -- | 1.5 | 7.5 | 16.6 | 30.2 | 26.1 | 13.6 | 4.5 |
| Suicide, attempted suicide | 193 | -- | -- | 1.6 | 6.7 | 17.1 | 30.1 | 26.4 | 13.5 | 4.7 |
| Self-inflicted injury or fatality--intent unknown | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Assaults by animals | 32 | -- | -- | -- | -- | 9.4 | 18.8 | 21.9 | 12.5 | 28.1 |
| Assaults by animals, n.e.c. | 31 | -- | -- | -- | -- | 9.7 | 19.4 | 22.6 | 12.9 | 25.8 |
| Contact with objects and equipment | 873 | -- | 0.3 | 1.9 | 7.8 | 17.3 | 22.9 | 23.9 | 15.7 | 9.9 |
| Struck against object | 18 | -- | -- | -- | 22.2 | -- | -- | 44.4 | -- | -- |
| Struck against stationary object | 11 | -- | -- | -- | -- | -- | -- | 54.5 | -- | -- |
| Struck against object, n.e.c. | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Struck by object | 506 | -- | -- | 1.2 | 6.1 | 16.4 | 21.1 | 24.9 | 18.0 | 12.3 |
| Struck by object, unspecified | 11 | -- | -- | -- | -- | 36.4 | -- | -- | -- | -- |
| Struck by falling object | 303 | -- | -- | 1.3 | 6.3 | 15.5 | 23.1 | 26.1 | 17.5 | 10.2 |
| Struck by flying object | 38 | -- | -- | -- | 7.9 | 18.4 | 26.3 | 26.3 | 13.2 | -- |
| Struck by dislodged flying object, particle | 21 | -- | -- | -- | -- | 23.8 | 28.6 | 28.6 | 14.3 | -- |
| Struck by discharged object or substance | 12 | -- | -- | -- | -- | -- | -- | 33.3 | -- | -- |
| Struck by flying object, n.e.c. | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Struck by swinging or slipping object | 42 | -- | -- | -- | 9.5 | 19.0 | 28.6 | 26.2 | 9.5 | 7.1 |
| Struck by swinging or slipping object, unspecified | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Struck by or slammed in swinging door or gate | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Struck by slipping handheld object | 8 | -- | -- | -- | -- | -- | -- | 37.5 | -- | -- |
| Struck by swinging or slipping object, n.e.c. | 27 | -- | -- | -- | 11.1 | 14.8 | 29.6 | 25.9 | 11.1 | -- |
| Struck by rolling, sliding objects on floor or ground level | 93 | -- | -- | -- | 3.2 | 12.9 | 11.8 | 20.4 | 25.8 | 25.8 |
| Struck by object, n.e.c. | 19 | -- | -- | -- | -- | 26.3 | 15.8 | 26.3 | 15.8 | -- |
| Caught in or compressed by equipment or objects | 231 | -- | -- | 2.2 | 8.2 | 19.0 | 25.5 | 21.2 | 14.3 | 8.2 |
| Caught in or compressed by equipment or objects, unspecified | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Caught in running equipment or machinery | 110 | -- | -- | -- | 8.2 | 20.9 | 22.7 | 20.9 | 11.8 | 10.9 |
| Compressed or pinched by rolling, sliding, or shifting objects | 50 | -- | -- | -- | 8.0 | 16.0 | 32.0 | 16.0 | 18.0 | 6.0 |
| Caught in or compressed by equipment or objects, n.e.c. | 67 | -- | -- | -- | 7.5 | 19.4 | 26.9 | 23.9 | 14.9 | 6.0 |
| Caught in or crushed in collapsing materials | 116 | -- | -- | 2.6 | 12.1 | 19.8 | 27.6 | 22.4 | 9.5 | 4.3 |
| Excavation or trenching cave-in | 34 | -- | -- | -- | 17.6 | 20.6 | 29.4 | 20.6 | -- | -- |
| Other cave-in | 7 | -- | -- | -- | -- | -- | -- | 42.9 | -- | -- |
| Caught in or crushed in collapsing structure | 52 | -- | -- | -- | 13.5 | 19.2 | 26.9 | 21.2 | 9.6 | 5.8 |
| Caught in or crushed in collapsing materials, n.e.c. | 22 | -- | -- | -- | -- | 18.2 | 31.8 | 22.7 | -- | -- |

See footnotes at end of table.

TABLE A-8. Fatal occupational injuries by event or exposure and age, All United States, 2002 - continued

| Event or exposure ¹ | Total fatalities (number) | Age (percent) | | | | | | | | |
|---|---------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| | | Under 16 years | 16-17 years | 18-19 years | 20-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65 years and over |
| Falls | 714 | -- | -- | 1.0 | 7.0 | 16.4 | 23.0 | 23.2 | 16.7 | 12.5 |
| Fall, unspecified | 11 | -- | -- | -- | -- | -- | -- | 27.3 | -- | 45.5 |
| Fall to lower level | 634 | -- | -- | 1.1 | 7.9 | 17.5 | 24.1 | 22.9 | 16.6 | 9.6 |
| Fall to lower level, unspecified | 8 | -- | -- | -- | -- | -- | -- | 50.0 | -- | 37.5 |
| Fall down stairs or steps | 11 | -- | -- | -- | -- | -- | -- | 27.3 | -- | 45.5 |
| Fall from floor, dock, or ground level | 37 | -- | -- | -- | 16.2 | 21.6 | 24.3 | 18.9 | 10.8 | -- |
| Fall through existing floor opening | 24 | -- | -- | -- | 20.8 | 20.8 | 29.2 | -- | 12.5 | -- |
| Fall from loading dock | 3 | -- | -- | -- | -- | -- | -- | 100.0 | -- | -- |
| Fall from ground level to lower level | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Fall from floor, dock, or ground level, n.e.c. | 6 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Fall from ladder | 126 | -- | -- | -- | 2.4 | 15.9 | 23.8 | 21.4 | 18.3 | 17.5 |
| Fall from roof | 143 | -- | -- | -- | 10.5 | 25.9 | 25.9 | 19.6 | 9.8 | 7.0 |
| Fall from roof, unspecified | 29 | -- | -- | -- | 10.3 | 17.2 | 20.7 | 24.1 | 10.3 | 13.8 |
| Fall through existing roof opening | 11 | -- | -- | -- | -- | -- | 54.5 | 27.3 | -- | -- |
| Fall through roof surface | 11 | -- | -- | -- | -- | 27.3 | -- | -- | -- | -- |
| Fall through skylight | 20 | -- | -- | -- | 20.0 | 20.0 | 30.0 | 15.0 | -- | -- |
| Fall from roof edge | 62 | -- | -- | -- | 6.5 | 30.6 | 25.8 | 21.0 | 9.7 | 6.5 |
| Fall from roof, n.e.c. | 10 | -- | -- | -- | 30.0 | 40.0 | -- | -- | -- | -- |
| Fall from scaffold, staging | 87 | -- | -- | -- | 8.0 | 18.4 | 24.1 | 28.7 | 16.1 | 3.4 |
| Fall from building girders or other structural steel | 41 | -- | -- | -- | 14.6 | 26.8 | 29.3 | 22.0 | -- | -- |
| Fall from nonmoving vehicle | 60 | -- | -- | -- | 8.3 | 8.3 | 13.3 | 26.7 | 28.3 | 15.0 |
| Fall to lower level, n.e.c. | 119 | -- | -- | 2.5 | 6.7 | 11.8 | 27.7 | 21.8 | 24.4 | 5.0 |
| Fall on same level | 63 | -- | -- | -- | -- | 6.3 | 12.7 | 27.0 | 20.6 | 33.3 |
| Fall to floor, walkway, or other surface | 52 | -- | -- | -- | -- | 7.7 | 9.6 | 25.0 | 21.2 | 36.5 |
| Fall onto or against objects | 9 | -- | -- | -- | -- | -- | 33.3 | 44.4 | -- | -- |
| Fall, n.e.c. | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Exposure to harmful substances or environments | 538 | -- | 0.6 | 2.8 | 13.0 | 23.2 | 31.8 | 19.9 | 5.6 | 3.2 |
| Contact with electric current | 289 | -- | 1.0 | 3.8 | 13.1 | 25.3 | 32.5 | 17.6 | 5.2 | 1.4 |
| Contact with electric current, unspecified | 7 | -- | -- | -- | -- | -- | 57.1 | -- | -- | -- |
| Contact with electric current of machine, tool, appliance, or light fixture | 42 | -- | -- | -- | -- | 23.8 | 38.1 | 21.4 | 9.5 | -- |
| Contact with wiring, transformers, or other electrical components | 90 | -- | -- | -- | 14.4 | 24.4 | 31.1 | 20.0 | 4.4 | -- |
| Contact with overhead power lines | 122 | -- | -- | 6.6 | 17.2 | 27.9 | 33.6 | 12.3 | -- | -- |
| Contact with underground, buried power lines | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Struck by lightning | 16 | -- | -- | -- | -- | 25.0 | 18.8 | 25.0 | -- | -- |
| Contact with electric current, n.e.c. | 8 | -- | -- | -- | -- | -- | -- | -- | 37.5 | -- |
| Contact with temperature extremes | 60 | -- | -- | -- | 5.0 | 21.7 | 30.0 | 23.3 | 11.7 | 6.7 |
| Exposure to environmental heat | 40 | -- | -- | -- | 7.5 | 22.5 | 30.0 | 27.5 | 10.0 | -- |
| Exposure to environmental cold | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Contact with hot objects or substances | 14 | -- | -- | -- | -- | 28.6 | 35.7 | -- | -- | -- |
| Exposure to caustic, noxious, or allergenic substances | 98 | -- | -- | -- | 13.3 | 21.4 | 32.7 | 25.5 | 4.1 | 3.1 |
| Exposure to caustic, noxious, or allergenic substances, unspecified | 9 | -- | -- | -- | -- | 33.3 | -- | 33.3 | -- | -- |
| Inhalation of substance | 49 | -- | -- | -- | 18.4 | 24.5 | 26.5 | 24.5 | -- | -- |
| Inhalation of substance, unspecified | 6 | -- | -- | -- | 50.0 | -- | -- | -- | -- | -- |
| Inhalation in enclosed, restricted, or confined space | 20 | -- | -- | -- | -- | 35.0 | 25.0 | 20.0 | -- | -- |
| Inhalation in open or nonconfined space | 23 | -- | -- | -- | 17.4 | 17.4 | 34.8 | 26.1 | -- | -- |
| Injections, stings, venomous bites | 10 | -- | -- | -- | -- | -- | 40.0 | 30.0 | -- | -- |
| Bee, wasp, hornet sting | 6 | -- | -- | -- | -- | -- | 50.0 | -- | -- | -- |
| Ingestion of substance | 23 | -- | -- | -- | -- | 17.4 | 47.8 | 26.1 | -- | -- |

See footnotes at end of table.

TABLE A-8. Fatal occupational injuries by event or exposure and age, All United States, 2002 - continued

| Event or exposure ¹ | Total fatalities (number) | Age (percent) | | | | | | | | |
|--|---------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| | | Under 16 years | 16-17 years | 18-19 years | 20-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65 years and over |
| Exposure to caustic, noxious, or allergenic substances, n.e.c. | 6 | -- | -- | -- | -- | -- | 66.7 | -- | -- | -- |
| Oxygen deficiency, n.e.c. | 90 | -- | -- | 3.3 | 16.7 | 20.0 | 30.0 | 18.9 | 4.4 | 6.7 |
| Drowning, submersion | 60 | -- | -- | -- | 20.0 | 21.7 | 26.7 | 20.0 | 5.0 | -- |
| Choking on object or substance | 15 | -- | -- | -- | -- | -- | 33.3 | 26.7 | -- | 20.0 |
| Depletion of oxygen in other enclosed, restricted, or confined space | 10 | -- | -- | -- | -- | 30.0 | 30.0 | -- | -- | -- |
| Other oxygen deficiency, n.e.c. | 5 | -- | -- | -- | -- | -- | 60.0 | -- | -- | -- |
| Fires and explosions | 165 | -- | -- | -- | 11.5 | 17.6 | 31.5 | 22.4 | 9.7 | 5.5 |
| Fire--unintended or uncontrolled | 88 | -- | -- | -- | 10.2 | 18.2 | 29.5 | 22.7 | 9.1 | 8.0 |
| Fire in residence, building, or other structure | 48 | -- | -- | -- | 14.6 | 14.6 | 33.3 | 25.0 | 8.3 | -- |
| Forest, brush, or other outdoor fire | 9 | -- | -- | -- | -- | -- | -- | -- | -- | 44.4 |
| Fire, n.e.c. | 28 | -- | -- | -- | -- | 25.0 | 28.6 | 17.9 | 14.3 | -- |
| Explosion | 77 | -- | -- | -- | 13.0 | 16.9 | 33.8 | 22.1 | 10.4 | -- |
| Explosion of pressure vessel or piping | 33 | -- | -- | -- | 9.1 | 15.2 | 24.2 | 36.4 | 12.1 | -- |
| Explosion, n.e.c. | 42 | -- | -- | -- | 16.7 | 19.0 | 38.1 | 11.9 | 9.5 | -- |

¹ Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

NOTE: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding.

Dashes indicate no data reported or data that do not meet publication criteria.

n.e.c. means "not elsewhere classified."

Data for 2002 are preliminary; data for previous years are final.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries