

TABLE A-9. Fatal occupational injuries by event or exposure and major private industry division, All United States, 2002

Event or exposure ¹	Total fatalities (number)	Private Industry ² (percent)								
		Agriculture, forestry, and fishing	Mining ³	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Total	5,534	14.3	2.2	20.3	10.2	16.4	3.7	8.8	1.6	12.3
Transportation incidents	2,385	16.4	1.6	12.4	7.0	27.3	4.7	5.5	1.3	11.1
Highway incident	1,373	9.8	1.6	10.2	6.7	32.6	6.5	7.1	1.2	11.1
Highway incident, unspecified	22	--	--	--	13.6	45.5	--	--	--	--
Collision between vehicles, mobile equipment	636	9.9	1.3	11.0	6.1	26.4	7.4	9.0	1.7	12.7
Collision between vehicles, mobile equipment, unspecified	46	8.7	--	--	--	23.9	17.4	8.7	6.5	15.2
Re-entrant collision	9	--	--	--	--	--	--	--	--	--
Moving in same direction	155	12.3	--	10.3	3.9	36.8	7.7	7.1	--	8.4
Moving in opposite directions, oncoming	202	9.9	3.0	10.9	5.4	22.8	5.4	10.9	1.5	17.8
Moving in intersection	146	11.6	--	12.3	8.9	15.8	5.5	10.3	--	11.6
Moving and standing vehicle, mobile equipment--in roadway	46	--	--	15.2	6.5	47.8	10.9	6.5	--	--
Moving and standing vehicle, mobile equipment--side of road	19	--	--	--	--	36.8	--	--	--	--
Collision between vehicles, mobile equipment, n.e.c.	13	--	--	--	--	--	--	--	--	30.8
Vehicle struck stationary object or equipment in roadway	33	--	--	--	--	45.5	--	9.1	--	--
Vehicle struck stationary object, equipment on side of road	293	4.1	2.0	9.9	5.8	41.6	4.8	7.8	1.0	11.3
Noncollision incident	373	14.7	2.1	9.7	8.0	33.8	6.2	3.8	--	8.8
Noncollision incident, unspecified	5	--	--	--	--	--	--	--	--	--
Jack-knifed or overturned--no collision	312	15.4	2.6	8.7	9.0	33.0	6.7	4.2	--	7.7
Ran off highway--no collision	25	--	--	--	--	48.0	--	--	--	28.0
Sudden start or stop, n.e.c.	9	--	--	--	--	--	--	--	--	--
Noncollision incident, n.e.c.	21	14.3	--	19.0	--	38.1	--	--	--	--
Highway incident, n.e.c.	16	--	--	--	--	37.5	--	--	--	--
Nonhighway incident, except rail, air, water	323	49.5	2.5	15.8	9.6	3.7	2.5	2.5	1.2	9.0
Collision between vehicles or mobile equipment	12	--	--	--	--	--	--	--	--	50.0
Vehicle, mobile equipment struck stationary object	32	46.9	--	--	15.6	--	--	--	--	21.9
Noncollision incident	271	52.0	2.6	17.3	9.2	3.7	2.2	1.8	1.5	5.2
Noncollision incident, unspecified	4	--	--	--	--	--	--	--	--	--
Fall from moving vehicle, mobile equipment	20	20.0	--	20.0	--	--	--	--	--	--
Fell from and struck by vehicle, mobile equipment	58	63.8	5.2	13.8	6.9	5.2	--	--	--	--
Overtaken	164	55.5	1.8	16.5	8.5	2.4	1.8	1.8	--	6.1
Loss of control	6	66.7	--	--	--	--	--	--	--	--
Sudden start or stop, n.e.c.	3	--	--	--	--	--	--	--	--	--
Noncollision incident, n.e.c.	16	25.0	--	37.5	18.8	--	--	--	--	--
Nonhighway incident, n.e.c.	7	--	--	--	--	--	--	--	--	--
Pedestrian, nonpassenger struck by vehicle, mobile equipment	356	14.9	1.7	24.2	6.2	19.1	1.7	3.9	2.2	9.8
Pedestrian struck by vehicle, mobile equipment, unspecified	6	--	--	66.7	--	--	--	--	--	--
Pedestrian struck by vehicle, mobile equipment in roadway	126	10.3	--	28.6	4.0	19.0	--	2.4	3.2	11.9
Pedestrian struck by vehicle, mobile equipment on side of road	60	6.7	--	25.0	--	13.3	--	5.0	--	18.3
Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway area	164	21.3	3.7	18.9	9.8	21.3	2.4	4.9	2.4	5.5
Railway incident	64	10.9	--	7.8	9.4	45.3	4.7	7.8	--	--
Collision between railway vehicles	3	--	--	--	--	--	--	--	--	--
Collision between railway vehicle and other vehicle	47	14.9	--	10.6	6.4	38.3	--	8.5	--	--
Fell from and struck by railway vehicle	5	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-9. Fatal occupational injuries by event or exposure and major private industry division, All United States, 2002 - continued

Event or exposure ¹	Total fatalities (number)	Private Industry ² (percent)								
		Agriculture, forestry, and fishing	Mining ³	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Railway incident, n.e.c.	5	--	--	--	--	80.0	--	--	--	--
Water vehicle incident	71	39.4	--	7.0	9.9	32.4	--	--	--	5.6
Collision	8	50.0	--	--	--	--	--	--	--	--
Fall from ship, boat, n.e.c.	27	40.7	--	--	--	29.6	--	--	--	--
Fall on ship, boat	8	--	--	--	--	37.5	--	--	--	--
Sinking, capsized water vehicle	19	42.1	--	--	--	26.3	--	--	--	--
Water vehicle incident, n.e.c.	5	--	--	--	--	60.0	--	--	--	--
Aircraft incident	194	4.6	--	4.1	4.6	36.1	2.6	2.6	--	21.6
Aircraft incident, unspecified	24	--	--	--	--	29.2	--	--	--	33.3
During takeoff or landing	51	--	--	--	--	43.1	--	--	--	27.5
Aircraft incident, n.e.c.	119	5.9	--	--	4.2	34.5	--	4.2	--	16.8
Assaults and violent acts	840	7.1	--	3.9	4.9	8.0	3.5	33.8	4.2	20.0
Homicides	609	2.5	--	3.0	3.9	8.0	3.0	43.2	4.6	18.1
Homicides, unspecified	9	--	--	33.3	--	--	--	--	--	--
Hitting, kicking, beating	34	--	--	--	--	--	--	44.1	--	29.4
Shooting	469	2.1	--	2.8	3.8	7.9	3.2	45.0	4.3	16.0
Stabbing	58	5.2	--	--	5.2	8.6	--	43.1	--	24.1
Homicides, n.e.c.	38	--	--	--	--	10.5	--	26.3	10.5	26.3
Self-inflicted injury	199	8.5	--	7.5	8.5	9.0	5.0	10.6	3.5	28.1
Suicide, attempted suicide	193	8.3	--	7.8	8.3	9.3	5.2	10.4	3.6	27.5
Self-inflicted injury or fatality--intent unknown	5	--	--	--	--	--	--	--	--	--
Assaults by animals	32	87.5	--	--	--	--	--	--	--	--
Assaults by animals, n.e.c.	31	87.1	--	--	--	--	--	--	--	--
Contact with objects and equipment	872	20.9	4.8	23.4	23.4	8.6	4.7	2.5	0.5	7.6
Struck against object	18	16.7	--	22.2	--	--	--	--	--	33.3
Struck against stationary object	11	27.3	--	27.3	--	--	--	--	--	--
Struck against object, n.e.c.	3	--	--	--	--	--	--	--	--	--
Struck by object	505	22.8	4.0	19.6	23.6	10.5	4.8	3.0	--	7.9
Struck by object, unspecified	11	45.5	--	27.3	--	--	--	--	--	--
Struck by falling object	302	19.9	3.3	20.2	29.1	8.6	4.6	2.0	--	8.9
Struck by flying object	38	15.8	13.2	15.8	21.1	--	--	--	--	10.5
Struck by dislodged flying object, particle	21	14.3	23.8	--	28.6	--	--	--	--	14.3
Struck by discharged object or substance	12	25.0	--	25.0	--	--	--	--	--	--
Struck by flying object, n.e.c.	4	--	--	--	--	--	--	--	--	--
Struck by swinging or slipping object	42	23.8	--	28.6	16.7	7.1	--	--	--	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	--	37.5	--	--	--	--	--	--
Struck by swinging or slipping object, n.e.c.	27	18.5	--	29.6	18.5	--	--	--	--	11.1
Struck by rolling, sliding objects on floor or ground level	93	33.3	--	14.0	12.9	21.5	5.4	4.3	--	5.4
Struck by object, n.e.c.	19	15.8	--	21.1	15.8	--	--	--	--	--
Caught in or compressed by equipment or objects	231	22.1	6.5	15.2	32.5	7.4	4.8	2.2	--	5.2
Caught in or compressed by equipment or objects, unspecified	4	--	--	--	--	--	--	--	--	--
Caught in running equipment or machinery	110	23.6	9.1	9.1	42.7	2.7	5.5	--	--	--
Compressed or pinched by rolling, sliding, or shifting objects	50	22.0	--	16.0	24.0	20.0	--	--	--	12.0
Caught in or compressed by equipment or objects, n.e.c.	67	19.4	6.0	25.4	23.9	6.0	7.5	--	--	6.0
Caught in or crushed in collapsing materials	116	11.2	5.2	56.9	6.9	2.6	5.2	--	--	6.9
Excavation or trenching cave-in	34	--	--	79.4	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-9. Fatal occupational injuries by event or exposure and major private industry division, All United States, 2002 - continued

Event or exposure ¹	Total fatalities (number)	Private Industry ² (percent)								
		Agriculture, forestry, and fishing	Mining ³	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Other cave-in	7	--	71.4	--	--	--	--	--	--	--
Caught in or crushed in collapsing structure	52	7.7	--	69.2	--	--	--	--	--	9.6
Caught in or crushed in collapsing materials, n.e.c.	22	36.4	--	--	27.3	--	13.6	--	--	--
Falls	719	8.9	1.4	51.9	9.3	5.8	1.1	4.0	1.7	11.0
Fall, unspecified	11	--	--	--	27.3	--	--	--	--	45.5
Fall to lower level	638	9.2	1.6	57.5	8.8	5.6	1.1	2.7	0.9	8.6
Fall to lower level, unspecified	10	--	--	50.0	--	--	--	--	--	--
Fall down stairs or steps	11	--	--	--	--	--	--	--	--	27.3
Fall from floor, dock, or ground level	38	--	--	65.8	13.2	10.5	--	--	--	--
Fall through existing floor opening	24	--	--	75.0	--	--	--	--	--	--
Fall from loading dock	3	--	--	--	--	--	--	--	--	--
Fall from ground level to lower level	4	--	--	--	--	--	--	--	--	--
Fall from floor, dock, or ground level, n.e.c.	6	--	--	66.7	--	--	--	--	--	--
Fall from ladder	126	9.5	--	56.3	4.0	4.0	--	3.2	2.4	11.1
Fall from roof	143	2.1	--	84.6	4.9	--	--	--	--	5.6
Fall from roof, unspecified	29	10.3	--	82.8	--	--	--	--	--	--
Fall through existing roof opening	11	--	--	90.9	--	--	--	--	--	--
Fall through roof surface	11	--	--	100.0	--	--	--	--	--	--
Fall through skylight	20	--	--	80.0	20.0	--	--	--	--	--
Fall from roof edge	62	--	--	82.3	4.8	--	--	--	--	9.7
Fall from roof, n.e.c.	10	--	--	90.0	--	--	--	--	--	--
Fall from scaffold, staging	88	--	--	78.4	8.0	--	--	--	--	9.1
Fall from building girders or other structural steel	41	--	--	80.5	--	--	--	--	--	--
Fall from nonmoving vehicle	60	13.3	--	20.0	15.0	28.3	--	6.7	--	5.0
Fall to lower level, n.e.c.	119	26.9	4.2	25.2	14.3	5.9	--	--	--	13.4
Fall on same level	64	7.8	--	7.8	10.9	6.3	--	18.8	7.8	25.0
Fall to floor, walkway, or other surface	53	5.7	--	5.7	11.3	7.5	--	18.9	7.5	26.4
Fall onto or against objects	9	--	--	--	--	--	--	--	--	--
Fall, n.e.c.	4	--	--	--	--	--	--	--	--	--
Exposure to harmful substances or environments	539	14.3	3.2	36.4	8.3	11.1	1.9	3.0	0.7	15.6
Contact with electric current	289	14.5	2.8	49.8	7.3	9.3	2.1	1.7	1.0	8.7
Contact with electric current, unspecified	7	--	--	42.9	--	--	--	--	--	--
Contact with electric current of machine, tool, appliance, or light fixture	42	7.1	--	35.7	23.8	--	--	9.5	--	14.3
Contact with wiring, transformers, or other electrical components	90	--	--	60.0	6.7	10.0	4.4	--	--	8.9
Contact with overhead power lines	122	22.1	3.3	50.0	2.5	12.3	--	--	--	6.6
Contact with underground, buried power lines	4	--	--	--	--	--	--	--	--	--
Struck by lightning	16	50.0	--	25.0	--	--	--	--	--	--
Contact with electric current, n.e.c.	8	--	--	62.5	--	--	--	--	--	--
Contact with temperature extremes	60	23.3	--	33.3	11.7	15.0	--	--	--	--
Exposure to environmental heat	40	25.0	--	40.0	7.5	10.0	--	--	--	--
Exposure to environmental cold	5	--	--	--	--	--	--	--	--	--
Contact with hot objects or substances	14	--	--	28.6	28.6	28.6	--	--	--	--
Exposure to caustic, noxious, or allergenic substances	99	9.1	--	20.2	8.1	14.1	3.0	6.1	--	28.3
Exposure to caustic, noxious, or allergenic substances, unspecified	9	--	--	--	--	33.3	--	--	--	--
Inhalation of substance	49	12.2	--	22.4	8.2	14.3	--	6.1	--	24.5
Inhalation of substance, unspecified	6	--	--	--	--	--	--	--	--	--
Inhalation in enclosed, restricted, or confined space	20	--	--	25.0	--	20.0	--	--	--	25.0

See footnotes at end of table.

TABLE A-9. Fatal occupational injuries by event or exposure and major private industry division, All United States, 2002 - continued

Event or exposure ¹	Total fatalities (number)	Private Industry ² (percent)								
		Agriculture, forestry, and fishing	Mining ³	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Inhalation in open or nonconfined space	23	13.0	--	17.4	13.0	13.0	--	--	--	30.4
Injections, stings, venomous bites	10	--	--	--	--	--	--	--	--	40.0
Bee, wasp, hornet sting	6	--	--	--	--	--	--	--	--	--
Ingestion of substance	23	--	--	34.8	--	13.0	--	--	--	26.1
Exposure to caustic, noxious, or allergenic substances, n.e.c.	7	--	--	--	--	--	--	--	--	42.9
Oxygen deficiency, n.e.c.	90	13.3	4.4	12.2	10.0	11.1	--	4.4	--	32.2
Drowning, submersion	60	18.3	--	13.3	--	10.0	--	--	--	38.3
Choking on object or substance	15	--	--	--	--	--	--	26.7	--	26.7
Depletion of oxygen in other enclosed, restricted, or confined space	10	--	30.0	--	40.0	--	--	--	--	--
Other oxygen deficiency, n.e.c.	5	--	--	--	--	--	--	--	--	--
Fires and explosions	165	8.5	7.9	13.9	23.0	8.5	3.6	2.4	--	10.3
Fire--unintended or uncontrolled	88	11.4	8.0	17.0	17.0	8.0	--	--	--	6.8
Fire in residence, building, or other structure	48	--	--	18.8	14.6	6.3	--	--	--	6.3
Forest, brush, or other outdoor fire	9	66.7	--	--	--	--	--	--	--	--
Fire, n.e.c.	28	--	25.0	14.3	28.6	10.7	--	--	--	--
Explosion	77	5.2	7.8	10.4	29.9	9.1	6.5	--	--	14.3
Explosion of pressure vessel or piping	33	--	9.1	--	30.3	12.1	9.1	--	--	15.2
Explosion, n.e.c.	42	7.1	7.1	14.3	28.6	7.1	--	--	--	11.9

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

² Classified according to the *Standard Industrial Classification Manual, 1987*

³ Includes fatalities at all establishments categorized as Mining (Division B) in the *Standard Industrial Classification Manual, 1987 Edition*, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

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."

All Data are revised and final.

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