

Table 3. Fatal occupational injuries by event or exposure and major private industry division, United States, 2002

Originally Posted: April 28, 2004

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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	Serv
Total	5,524	14.3	2.2	20.3	10.2	16.5	3.7	8.8	1.6	12
Transportation incidents	2,381	16.4	1.6	12.4	7.1	27.3	4.7	5.5	1.3	11
Highway incident	1,372	9.8	1.6	10.2	6.7	32.6	6.5	7.1	1.2	11
Highway incident, unspecified	22	--	--	--	13.6	45.5	--	--	--	
Collision between vehicles, mobile equipment	635	9.9	1.3	11.0	6.1	26.5	7.4	9.0	1.7	12
Collision between vehicles, mobile equipment, unspecified	46	8.7	--	--	--	23.9	17.4	8.7	6.5	15
Re-entrant collision	9	--	--	--	--	--	--	--	--	
Moving in same direction	155	12.3	--	10.3	3.9	36.8	7.7	7.1	--	8
Moving in opposite directions, oncoming	202	9.9	3.0	10.9	5.4	22.8	5.4	10.9	1.5	17
Moving in intersection	145	11.7	--	12.4	9.0	15.9	5.5	10.3	--	11

Footnotes:

(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*, 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." Data for 2002 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries.

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	Serv
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
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
Noncollision incident	373	14.7	2.1	9.7	8.0	33.8	6.2	3.8	--	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
Ran off highway--no collision	25	--	--	--	--	48.0	--	--	--	28

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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	Serv
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	322	49.7	2.5	15.5	9.6	3.7	2.5	2.5	1.2	9
Collision between vehicles or mobile equipment	12	--	--	--	--	--	--	--	--	50
Vehicle, mobile equipment struck stationary object	32	46.9	--	--	15.6	--	--	--	--	21
Noncollision incident	270	52.2	2.6	17.0	9.3	3.7	2.2	1.9	1.5	5
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

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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	Serv
Loss of control	6	66.7	--	--	--	--	--	--	--	
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
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
Pedestrian struck by vehicle, mobile equipment on side of road	60	6.7	--	25.0	--	13.3	--	5.0	--	18
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
Railway incident	64	10.9	--	7.8	9.4	45.3	4.7	7.8	--	

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Event or exposure ⁽¹⁾	Total fatalities (number)	Private Industry ⁽²⁾ (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Serv
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	--	--	--	--	--	--	--	--	
Railway incident, n.e.c.	5	--	--	--	--	80.0	--	--	--	
Water vehicle incident	71	39.4	--	7.0	9.9	32.4	--	--	--	5
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	192	4.7	--	4.2	4.7	36.5	2.6	2.6	--	21
Aircraft incident, unspecified	24	--	--	--	--	29.2	--	--	--	33
During takeoff or landing	51	--	--	--	--	43.1	--	--	--	27
Aircraft incident, n.e.c.	117	6.0	--	--	4.3	35.0	--	4.3	--	17
Assaults and violent acts	840	7.1	--	3.9	4.9	8.0	3.5	33.8	4.2	20
Homicides	609	2.5	--	3.0	3.9	8.0	3.0	43.2	4.6	18

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		Agriculture, forestry, and fishing	Mining ⁽³⁾	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Serv
Homicides, unspecified	9	--	--	33.3	--	--	--	--	--	
Hitting, kicking, beating	34	--	--	--	--	--	--	44.1	--	29
Shooting	469	2.1	--	2.8	3.8	7.9	3.2	45.0	4.3	16
Stabbing	58	5.2	--	--	5.2	8.6	--	43.1	--	24
Homicides, n.e.c.	38	--	--	--	--	10.5	--	26.3	10.5	26
Self-inflicted injury	199	8.5	--	7.5	8.5	9.0	5.0	10.6	3.5	28
Suicide, attempted suicide	193	8.3	--	7.8	8.3	9.3	5.2	10.4	3.6	27
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	873	20.8	4.8	23.4	23.4	8.6	4.7	2.5	0.5	7
Struck against object	18	16.7	--	22.2	--	--	--	--	--	33
Struck against stationary object	11	27.3	--	27.3	--	--	--	--	--	
Struck against object, n.e.c.	3	--	--	--	--	--	--	--	--	
Struck by object	506	22.7	4.0	19.6	23.5	10.5	4.7	3.0	--	7
Struck by object, unspecified	11	45.5	--	27.3	--	--	--	--	--	

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		Agriculture, forestry, and fishing	Mining ⁽³⁾	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Serv
Struck by falling object	303	19.8	3.3	20.1	29.0	8.6	4.6	2.0	--	8
Struck by flying object	38	15.8	13.2	15.8	21.1	--	--	--	--	10
Struck by dislodged flying object, particle	21	14.3	23.8	--	28.6	--	--	--	--	14
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
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

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Struck by rolling, sliding objects on floor or ground level	93	33.3	--	14.0	12.9	21.5	5.4	4.3	--	5
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
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
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
Caught in or crushed in collapsing materials	116	11.2	5.2	56.9	6.9	2.6	5.2	--	--	6
Excavation or trenching cave-in	34	--	--	79.4	--	--	--	--	--	
Other cave-in	7	--	71.4	--	--	--	--	--	--	

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Caught in or crushed in collapsing structure	52	7.7	--	69.2	--	--	--	--	--	9
Caught in or crushed in collapsing materials, n.e.c.	22	36.4	--	--	27.3	--	13.6	--	--	
Falls	714	9.0	1.3	51.8	9.2	5.9	1.1	3.9	1.7	10
Fall, unspecified	11	--	--	--	27.3	--	--	--	--	45
Fall to lower level	634	9.3	1.4	57.4	8.7	5.7	1.1	2.7	0.9	8
Fall to lower level, unspecified	8	--	--	50.0	--	--	--	--	--	
Fall down stairs or steps	11	--	--	--	--	--	--	--	--	27
Fall from floor, dock, or ground level	37	--	--	64.9	13.5	10.8	--	--	--	
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	--	55.6	4.0	4.0	--	3.2	2.4	11

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Fall from roof	143	2.1	--	84.6	4.9	--	--	--	--	5
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
Fall from roof, n.e.c.	10	--	--	90.0	--	--	--	--	--	
Fall from scaffold, staging	87	--	--	79.3	8.0	--	--	--	--	9
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
Fall to lower level, n.e.c.	119	26.9	4.2	25.2	13.4	5.9	--	--	--	13
Fall on same level	63	7.9	--	7.9	11.1	6.3	--	17.5	7.9	25
Fall to floor, walkway, or other surface	52	5.8	--	5.8	11.5	7.7	--	17.3	7.7	26
Fall onto or against objects	9	--	--	--	--	--	--	--	--	
Fall, n.e.c.	4	--	--	--	--	--	--	--	--	

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Exposure to harmful substances or environments	538	14.3	3.2	36.4	8.4	11.2	1.9	3.0	0.7	15
Contact with electric current	289	14.5	2.8	49.8	7.3	9.3	2.1	1.7	1.0	8
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
Contact with wiring, transformers, or other electrical components	90	--	--	60.0	6.7	10.0	4.4	--	--	8
Contact with overhead power lines	122	22.1	3.3	50.0	2.5	12.3	--	--	--	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	--	--	--	

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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	98	9.2	--	20.4	8.2	14.3	3.1	6.1	--	27
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
Inhalation of substance, unspecified	6	--	--	--	--	--	--	--	--	
Inhalation in enclosed, restricted, or confined space	20	--	--	25.0	--	20.0	--	--	--	25
Inhalation in open or nonconfined space	23	13.0	--	17.4	13.0	13.0	--	--	--	30
Injections, stings, venomous bites	10	--	--	--	--	--	--	--	--	40

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

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(3) Includes fatalities at all establishments categorized as Mining (Division B) in the *Standard Industrial Classification Manual: 1987*, 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." Data for 2002 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries.

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	Serv
Bee, wasp, hornet sting	6	--	--	--	--	--	--	--	--	
Ingestion of substance	23	--	--	34.8	--	13.0	--	--	--	26
Exposure to caustic, noxious, or allergenic substances, n.e.c.	6	--	--	--	--	--	--	--	--	
Oxygen deficiency, n.e.c.	90	13.3	4.4	12.2	10.0	11.1	--	4.4	--	32
Drowning, submersion	60	18.3	--	13.3	--	10.0	--	--	--	38
Choking on object or substance	15	--	--	--	--	--	--	26.7	--	26
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
Fire--unintended or uncontrolled	88	11.4	8.0	17.0	17.0	8.0	--	--	--	6
Fire in residence, building, or other structure	48	--	--	18.8	14.6	6.2	--	--	--	6

Footnotes:

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

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		Agriculture, forestry, and fishing	Mining ⁽³⁾	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Serv
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
Explosion of pressure vessel or piping	33	--	9.1	--	30.3	12.1	9.1	--	--	15
Explosion, n.e.c.	42	7.1	7.1	14.3	28.6	7.1	--	--	--	11

Footnotes:

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SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries.

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