

TABLE A-8. Fatal occupational injuries by event or exposure and major private industry division, 1997

Event or exposure ¹	Total	Private industry ² (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Total	6,218	13.3	2.5	17.8	11.9	16.1	3.9	10.7	1.6	11.6
Transportation incidents	2,599	15.7	1.8	10.9	8.5	26.6	4.7	4.9	1.4	11.3
Highway	1,387	6.5	1.5	9.0	8.8	33.3	6.5	6.9	1.9	11.7
Collision between vehicles, mobile equipment	639	6.4	.6	10.0	9.4	25.0	5.2	9.2	3.4	13.9
Re-entrant collision	8	—	—	—	—	50.0	—	—	—	—
Moving in same direction	103	13.6	—	3.9	5.8	31.1	7.8	13.6	—	6.8
Moving in opposite directions, oncoming	229	2.6	—	11.8	9.2	22.7	3.5	10.5	5.7	17.0
Moving in intersection	142	11.3	—	11.3	11.3	15.5	6.3	7.7	2.1	14.1
Moving and standing vehicle, mobile equipment-in roadway	24	—	—	16.7	—	37.5	16.7	12.5	—	—
Moving and standing vehicle, mobile equipment-side of road	21	—	—	19.0	—	38.1	—	—	—	14.3
Vehicle struck stationary object or equipment in roadway	22	—	—	—	—	45.5	—	—	—	—
Vehicle struck stationary object or equipment on side of road	258	1.6	1.2	8.5	7.0	43.8	9.3	5.4	1.2	8.9
Noncollision	384	10.4	3.6	8.9	9.1	39.1	6.8	4.2	—	9.9
Jack-knifed or overturned--no collision	295	10.5	4.4	9.2	9.5	37.3	7.1	4.4	—	9.5
Ran off highway--no collision	48	8.3	—	—	—	50.0	—	—	—	12.5
Struck by shifting load	3	—	—	—	—	—	—	—	—	—
Sudden start or stop, n.e.c.	4	—	—	—	—	—	—	—	—	—
Nonhighway (farm, industrial premises)	377	56.5	3.4	10.9	7.2	5.0	3.7	1.6	—	6.4
Collision between vehicles or mobile equipment	15	26.7	—	—	20.0	20.0	—	—	—	20.0
Vehicle, mobile equipment struck stationary object	24	20.8	—	—	20.8	12.5	—	12.5	—	—
Noncollision accident	328	61.6	3.7	11.6	5.8	3.7	3.0	.9	—	4.3
Fall from moving vehicle, mobile equipment	17	47.1	—	23.5	—	—	—	—	—	—
Fell from and struck by vehicle, mobile equipment	71	73.2	—	8.5	—	—	—	—	—	—
Overturned	216	62.0	2.3	12.0	6.9	3.2	3.2	—	—	4.6
Loss of control	4	—	—	—	—	—	—	—	—	—
Struck by shifting load	5	—	—	—	—	—	—	—	—	—
Aircraft	261	9.6	1.1	5.4	8.0	23.8	1.1	—	1.9	19.5
Worker struck by vehicle, mobile equipment	367	9.0	1.4	23.4	9.8	19.3	2.2	4.9	.8	11.4
Worker struck by vehicle, mobile equipment in roadway	128	4.7	—	27.3	6.2	16.4	2.3	3.9	—	11.7
Worker struck by vehicle, mobile equipment on side of road	57	5.3	—	22.8	—	8.8	—	7.0	—	17.5
Worker struck by vehicle, mobile equipment in parking lot or non-road area	160	13.1	2.5	21.2	15.6	22.5	1.9	4.4	—	10.6
Water vehicle	109	39.4	2.8	5.5	3.7	33.0	—	—	—	8.3
Collision	8	—	—	—	—	62.5	—	—	—	—
Explosion, fire, n.e.c.	4	—	—	—	—	—	—	—	—	75.0
Fall from ship or boat, n.e.c.	37	27.0	8.1	13.5	—	37.8	—	—	—	—
Fall on ship, boat	7	—	—	—	—	57.1	—	—	—	—
Sinking, capsized water vehicle	37	70.3	—	—	—	10.8	—	—	—	—
Railway	93	3.2	—	9.7	10.8	45.2	7.5	4.3	—	5.4
Collision between railway vehicles	7	—	—	—	—	100.0	—	—	—	—
Collision between railway vehicle and other vehicle	72	4.2	—	11.1	9.7	37.5	8.3	5.6	—	5.6
Fell from and struck by railway vehicle ...	6	—	—	—	—	66.7	—	—	—	—
Assaults and violent acts	1,103	5.5	.3	2.9	6.0	11.5	2.7	38.5	3.2	17.8
Homicides	856	1.1	—	1.6	5.0	13.0	2.5	45.7	3.3	16.8
Hitting, kicking, beating	47	—	—	—	—	8.5	—	42.6	—	23.4
Shooting	705	1.0	—	1.4	4.7	13.9	2.3	46.7	3.4	14.9
Stabbing	73	—	—	—	6.8	11.0	—	39.7	—	26.0

See footnotes at end of table.

TABLE A-8. Fatal occupational injuries by event or exposure and major private industry division, 1997 - Continued

Event or exposure ¹	Total	Private industry ² (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Assaults and violent acts by person(s), n.e.c.	26	-	-	-	11.5	-	-	42.3	-	26.9
Self-inflicted injury	212	11.8	-	8.0	10.8	7.5	4.2	16.0	3.3	22.6
Assaults by animals	33	81.8	-	-	-	-	-	-	-	12.1
Contact with objects and equipment	1,034	20.0	5.9	19.3	28.5	6.8	4.3	2.9	.4	8.0
Struck by object	578	18.7	5.7	18.0	30.1	6.9	3.5	3.1	.5	8.7
Struck by falling object	384	17.2	4.7	16.9	32.8	7.3	3.6	3.4	-	9.6
Struck by flying object	53	9.4	7.5	24.5	32.1	-	-	-	-	9.4
Struck by discharged object or substance	22	18.2	-	-	27.3	-	-	-	-	18.2
Struck by swinging or slipping object	43	16.3	9.3	27.9	23.3	-	-	-	-	-
Struck by rolling, sliding objects on floor or ground level	68	35.3	4.4	14.7	17.6	8.8	-	-	-	7.4
Caught in or compressed by equipment or objects	320	24.1	4.4	11.9	34.4	7.2	5.9	2.8	-	7.2
Caught in running equipment or machinery	189	26.5	5.8	9.0	41.3	5.8	5.8	-	-	3.7
Compressed or pinched by rolling, sliding, or shifting objects	55	21.8	-	12.7	21.8	14.5	7.3	7.3	-	7.3
Caught in or crushed in collapsing materials	118	16.1	11.9	47.5	6.8	5.1	3.4	2.5	-	3.4
Excavation or trenching cave-in	35	-	8.6	74.3	-	-	-	-	-	-
Other cave-in	9	-	100.0	-	-	-	-	-	-	-
Landslide	4	-	-	-	-	-	-	-	-	-
Caught in or crushed in collapsing structure	38	7.9	-	73.7	-	-	-	-	-	-
Falls	715	9.1	2.0	52.7	7.7	5.2	2.2	4.6	2.2	9.5
Fall to lower level	652	9.2	2.0	56.9	6.1	5.5	2.3	3.7	2.1	7.2
Fall down stairs or steps	13	-	-	-	-	-	-	23.1	30.8	-
Fall from floor, dock, or ground level	40	-	7.5	55.0	-	12.5	-	-	-	10.0
Fall from ladder	116	2.6	-	54.3	6.9	6.9	-	5.2	6.9	10.3
Fall from piled or stacked material	5	-	-	-	-	-	-	-	-	-
Fall from roof	154	3.2	-	83.8	2.6	-	-	1.9	-	3.2
Fall from scaffold, staging	87	3.4	-	72.4	5.7	-	-	-	-	11.5
Fall from building girders or other structural steel	48	-	10.4	79.2	-	-	-	-	-	-
Fall from nonmoving vehicle	53	15.1	-	24.5	15.1	22.6	11.3	-	-	-
Jump to lower level	4	-	-	-	-	-	-	-	-	100.0
Fall on same level	44	9.1	-	-	31.8	-	-	15.9	-	25.0
Exposure to harmful substances or environments	550	12.9	2.5	33.8	11.1	10.0	3.1	5.6	.7	10.4
Contact with electric current	297	10.4	3.0	47.1	7.7	12.1	3.4	3.0	-	7.1
Contact with electric current of machine, tool, appliance, light fixture	41	7.3	7.3	31.7	12.2	9.8	-	-	-	17.1
Contact with wiring, transformers, or other electrical component	71	-	5.6	46.5	9.9	15.5	4.2	-	-	8.5
Contact with overhead power lines	138	13.0	-	55.8	3.6	13.8	2.9	2.9	-	4.3
Contact with underground, buried power lines	5	-	-	60.0	-	-	-	-	-	-
Struck by lightning	21	28.6	-	38.1	-	-	-	-	-	-
Contact with temperature extremes	40	17.5	-	25.0	32.5	-	-	-	-	-
Exposure to environmental heat	22	27.3	-	27.3	-	-	-	-	-	-
Contact with hot objects or substances ..	17	-	-	23.5	70.6	-	-	-	-	-
Exposure to caustic, noxious, or allergenic substances	123	9.8	-	21.1	12.2	8.9	3.3	13.0	-	21.1
Inhalation of substance	59	13.6	-	30.5	15.3	6.8	-	5.1	-	13.6
Inhalation in enclosed, restricted, or confined space ³	25	20.0	-	28.0	16.0	12.0	-	-	-	12.0
Inhalation in open or nonconfined space	19	-	-	42.1	-	-	-	-	-	21.1
Contact with skin or other exposed tissue	3	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

TABLE A-8. **Fatal occupational injuries by event or exposure and major private industry division, 1997** - Continued

Event or exposure ¹	Total	Private industry ² (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Injections, stings, venomous bites	23	13.0	-	13.0	-	13.0	-	-	-	26.1
Needle sticks	7	-	-	-	-	-	-	-	-	57.1
Bee, wasp, hornet sting	10	-	-	-	-	-	-	-	-	-
Ingestion of substance	26	-	-	15.4	-	-	-	26.9	-	30.8
Oxygen deficiency	87	21.8	3.4	11.5	11.5	8.0	-	4.6	-	10.3
Drowning, submersion	70	22.9	4.3	11.4	7.1	7.1	-	4.3	-	11.4
Depletion of oxygen in other enclosed, restricted, or confined space ³	5	-	-	-	60.0	-	-	-	-	-
Fires and explosions	196	9.7	9.2	13.3	20.4	7.7	5.1	8.2	-	11.2
Fires--unintended or uncontrolled	87	11.5	-	13.8	16.1	10.3	3.4	8.0	-	10.3
Fires, unspecified	5	-	-	-	-	-	-	-	-	-
Fire in residence, building, or other structure	39	7.7	-	7.7	17.9	-	-	-	-	7.7
Forest, brush, or other outdoor fire	8	37.5	-	-	-	-	-	-	-	-
Ignition of clothing from controlled heat source	7	-	-	42.9	-	-	-	-	-	-
Explosion	109	8.3	14.7	12.8	23.9	5.5	6.4	8.3	-	11.9
Explosion, unspecified	6	-	-	-	-	-	66.7	-	-	-
Explosion of pressure vessel or piping ...	37	16.2	13.5	8.1	24.3	-	-	8.1	-	10.8
Other events or exposures⁴	21	-	-	14.3	28.6	14.3	-	-	-	-

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 that are not considered to be permit required confined spaces as defined by the Occupational Safety and Health Administration in its regulation of these structures.

⁴ Includes the category "Bodily reaction and exertion."

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."

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