

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Total	589	160	118	116	83	48
State of incident						
Alabama	14	6	-	5	-	-
Alaska	5	-	-	-	-	-
Arizona	9	-	-	-	-	-
Arkansas	6	-	-	-	-	-
California	42	11	10	7	8	-
Colorado	13	4	6	-	-	-
Florida	23	8	3	-	4	-
Georgia	20	3	-	4	6	-
Hawaii	4	-	-	-	-	-
Idaho	4	-	-	-	-	-
Illinois	6	-	-	-	-	-
Indiana	15	4	5	-	-	-
Iowa	5	-	-	-	-	-
Kansas	7	-	-	-	-	3
Kentucky	12	-	3	-	4	-
Louisiana	15	8	-	-	3	-
Maryland	4	-	-	-	-	-
Massachusetts	7	-	3	-	-	-
Michigan	19	5	3	7	-	-
Minnesota	14	-	4	3	5	-
Mississippi	12	-	-	7	-	-
Missouri	12	-	6	-	-	-
Nebraska	9	-	3	-	-	-
New Hampshire	3	-	-	-	-	-
New Jersey	7	-	-	-	-	-
New Mexico	11	6	-	-	-	-
New York (including N.Y.C.)	27	8	8	4	-	3
New York City	8	4	-	-	-	-
North Carolina	19	3	6	7	-	-
North Dakota	5	-	-	-	-	-
Ohio	30	7	10	3	5	3
Oklahoma	11	5	3	-	-	-
Oregon	9	-	-	-	-	-
Pennsylvania	30	6	7	7	6	-
South Carolina	4	-	-	-	-	-
South Dakota	5	-	-	-	3	-
Tennessee	20	3	6	7	-	-
Texas	52	28	4	6	3	9
Utah	6	4	-	-	-	-
Vermont	3	-	-	3	-	-
Virginia	24	5	-	8	-	3
Washington	10	5	-	4	-	-
West Virginia	7	-	-	3	-	-
Wisconsin	18	3	3	5	4	3
Employee status						
Wage and salary workers ²	454	148	69	76	67	39
Self-employed ³	135	12	49	40	16	9
Sex						
Men	582	160	114	115	83	48
Women	7	-	4	-	-	-

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Age						
16 to 17 years	4	—	—	—	—	—
18 to 19 years	13	8	—	—	—	—
20 to 24 years	39	14	6	5	3	—
25 to 34 years	99	37	14	14	13	7
35 to 44 years	121	33	20	31	16	5
45 to 54 years	134	40	24	33	19	10
55 to 64 years	100	16	26	21	16	13
65 and over	77	10	27	11	13	11
Race or ethnic origin⁴						
White	403	90	90	90	66	34
Black or African American	53	10	10	13	7	5
Hispanic or Latino	119	54	16	11	10	8
American Indian or Alaskan Native	4	—	—	—	—	—
Asian, Native Hawaiian or Pacific Islander	6	4	—	—	—	—
Other races or not reported	4	—	—	—	—	—
Event or exposure¹						
Contact with objects and equipment	589	160	118	116	83	48
Struck by object or equipment	589	160	118	116	83	48
Struck by falling object or equipment	382	108	42	104	53	42
Struck by flying object	70	41	—	3	—	—
Struck by dislodged flying object	35	28	—	—	—	—
Struck by discharged object or substance	23	7	—	—	—	—
Struck by flying object, n.e.c.	10	5	—	—	—	—
Struck by swinging or slipping object	30	5	—	4	10	3
Struck by rolling, sliding objects or equipment on floor or ground level	89	—	71	3	13	—
Primary source⁵						
Vehicles	118	—	118	—	—	—
Highway vehicle, motorized	67	—	67	—	—	—
Automobile	17	—	17	—	—	—
Truck	42	—	42	—	—	—
Delivery truck	4	—	4	—	—	—
Dump truck	5	—	5	—	—	—
Pickup truck	8	—	8	—	—	—
Semitrailer, tractor trailer, trailer truck	8	—	8	—	—	—
Plant and industrial powered vehicles, tractors	42	—	42	—	—	—
Forklift	11	—	11	—	—	—
Hand/rider forklift truck--motorized	3	—	3	—	—	—
Tractor	31	—	31	—	—	—
Rail vehicle	4	—	4	—	—	—
Train	4	—	4	—	—	—
Structures and surfaces	28	—	—	—	—	—
Other structural elements	21	—	—	—	—	—
Doors	3	—	—	—	—	—
Gates	5	—	—	—	—	—
Walls	7	—	—	—	—	—
Structures	7	—	—	—	—	—
Scaffolds, staging	3	—	—	—	—	—
Towers, poles	3	—	—	—	—	—
Machinery	83	—	—	—	83	—
Agricultural and garden machinery	13	—	—	—	13	—
Harvesting and threshing machinery	5	—	—	—	5	—
Mowing machinery	6	—	—	—	6	—
Lawn mowers--riding	5	—	—	—	5	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Primary source⁵ - continued						
Construction, logging, and mining machinery	38	—	—	—	38	—
Excavating machinery	16	—	—	—	16	—
Backhoes	6	—	—	—	6	—
Bulldozers	4	—	—	—	4	—
Loaders	11	—	—	—	11	—
Front end loaders	5	—	—	—	5	—
Logging and wood processing machinery--specialized	5	—	—	—	5	—
Forwarder/yarder	3	—	—	—	3	—
Road grading and surfacing machinery	5	—	—	—	5	—
Graders, levellers, planers, scrapers	3	—	—	—	3	—
Material handling (cranes, conveyers, jacks)	17	—	—	—	17	—
Conveyors--powered	3	—	—	—	3	—
Cranes	10	—	—	—	10	—
Cranes--mobile, truck, rail mounted	4	—	—	—	4	—
Elevators, aerial lifts	3	—	—	—	3	—
Metal, woodworking, and special material machinery	7	—	—	—	7	—
Presses, except printing	4	—	—	—	4	—
Special process machinery	3	—	—	—	3	—
Miscellaneous machinery	3	—	—	—	3	—
Parts and materials	160	160	—	—	—	—
Building materials--solid elements	92	92	—	—	—	—
Bricks, blocks, structural stone	18	18	—	—	—	—
Structural stones or slabs, n.e.c.	9	9	—	—	—	—
Pipes, ducts, tubing	31	31	—	—	—	—
Structural metal materials	29	29	—	—	—	—
Plates, metal panels	8	8	—	—	—	—
Wood, lumber	11	11	—	—	—	—
Other building materials--solid elements	3	3	—	—	—	—
Fasteners, connectors, ropes, ties	7	7	—	—	—	—
Fasteners	5	5	—	—	—	—
Hoisting accessories	3	3	—	—	—	—
Machine, tool, and electrical parts	32	32	—	—	—	—
Metal materials--nonstructural	3	3	—	—	—	—
Vehicle and mobile equipment parts	20	20	—	—	—	—
Engine parts and accessories	4	4	—	—	—	—
Trailers	7	7	—	—	—	—
Persons, plants, animals, and minerals	116	—	—	116	—	—
Nonmetallic minerals, except fuel	4	—	—	4	—	—
Rocks, crushed stone	3	—	—	3	—	—
Person--other than injured or ill worker	5	—	—	5	—	—
Co-worker, former co-worker or injured worker	3	—	—	3	—	—
Plants, trees, vegetation--not processed	107	—	—	107	—	—
Trees, logs	107	—	—	107	—	—
Tools, instruments, and equipment	6	—	—	—	—	—
Handtools--nonpowered	3	—	—	—	—	—
Handtools--powered	3	—	—	—	—	—
Containers	48	—	—	—	—	48
Containers-nonpressurized	16	—	—	—	—	16
Boxes, crates, cartons	10	—	—	—	—	10
Tanks, bins, vats	5	—	—	—	—	5
Containers-pressurized	3	—	—	—	—	3
Containers-variable restraint	23	—	—	—	—	23
Bundles, bales	20	—	—	—	—	20
Reels, rolls	3	—	—	—	—	3
Skids, pallets	5	—	—	—	—	5
Other	29	—	—	—	—	—
Furniture and fixtures	8	—	—	—	—	—
Cases, cabinets, racks, and shelves	5	—	—	—	—	—
Ammunition	14	—	—	—	—	—
Bullets	13	—	—	—	—	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Primary source⁵ - continued						
Scrap, waste, debris	6	-	-	-	-	-
Chips, particles, splinters	4	-	-	-	-	-
Secondary source⁶						
Vehicles	81	28	12	5	9	15
Highway vehicle, motorized	41	14	8	4	5	6
Truck	38	13	8	4	5	6
Delivery truck	4	-	-	-	-	-
Dump truck	4	3	-	-	-	-
Semitrailer, tractor trailer, trailer truck	16	7	-	3	-	-
Plant and industrial powered vehicles, tractors	36	11	4	-	4	9
Forklift	30	10	3	-	3	7
Tractor	6	-	-	-	-	-
Structures and surfaces	19	7	5	-	3	-
Floors, walkways, ground surfaces	4	-	-	-	-	-
Other structural elements	5	-	-	-	-	-
Structures	10	6	-	-	-	-
Towers, poles	4	3	-	-	-	-
Machinery	126	64	23	11	8	8
Agricultural and garden machinery	7	-	-	-	-	-
Mowing machinery	3	-	-	-	-	-
Construction, logging, and mining machinery	31	16	-	9	-	3
Excavating machinery	13	6	-	5	-	-
Backhoes	5	-	-	-	-	-
Bulldozers	4	-	-	3	-	-
Loaders	9	4	-	-	-	-
Front end loaders	6	-	-	-	-	-
Logging and wood processing machinery--specialized	4	-	-	-	-	-
Mining and drilling machinery	3	-	-	-	-	-
Material handling (cranes, conveyers, jacks)	70	31	21	-	7	4
Conveyors--powered	4	-	-	-	-	-
Cranes	27	22	-	-	-	-
Cranes--mobile, truck, rail mounted	7	7	-	-	-	-
Cranes--overhead	8	7	-	-	-	-
Overhead hoists	5	-	-	-	-	-
Elevators, aerial lifts	3	-	-	-	-	-
Jacks	26	-	18	-	4	-
Metal, woodworking, and special material machinery	14	12	-	-	-	-
Lathes	5	5	-	-	-	-
Metal working lathes	3	3	-	-	-	-
Sawing machinery, stationary	6	5	-	-	-	-
Parts and materials	35	14	4	5	10	-
Building materials--solid elements	11	6	-	-	3	-
Pipes, ducts, tubing	6	4	-	-	-	-
Fasteners, connectors, ropes, ties	14	4	-	4	3	-
Fasteners	4	-	-	-	-	-
Ropes, ties, chains	10	-	-	4	-	-
Rope, twine, string	6	-	-	4	-	-
Machine, tool, and electrical parts	6	3	-	-	-	-
Vehicle and mobile equipment parts	4	-	-	-	3	-
Trailers	4	-	-	-	3	-
Persons, plants, animals, and minerals	18	-	-	12	-	-
Plants, trees, vegetation--not processed	13	-	-	12	-	-
Trees, logs	13	-	-	12	-	-
Tools, instruments, and equipment	25	5	-	5	-	-
Handtools--powered	9	4	-	4	-	-
Cutting handtools	5	-	-	4	-	-
Chainsaws	4	-	-	4	-	-

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Secondary source⁶ - continued						
Other tools	14	—	—	—	—	—
Firearms	14	—	—	—	—	—
Pistol, handgun, revolver	7	—	—	—	—	—
Containers	6	4	—	—	—	—
Containers-nonpressurized	4	3	—	—	—	—
Other	19	6	—	5	—	5
Furniture and fixtures	5	—	—	—	—	3
Cases, cabinets, racks, and shelves	3	—	—	—	—	3
Atmospheric and environmental conditions	12	4	—	5	—	—
Weather and atmospheric conditions	12	4	—	5	—	—
High winds, gusts	10	—	—	5	—	—
Not reported	259	31	70	72	52	18
Nature¹						
Traumatic injuries to bones, nerves, spinal cord	22	7	4	7	—	—
Fractures	4	—	—	—	—	—
Traumatic injuries to spinal cord	3	—	—	—	—	—
Multiple traumatic injuries to bones, nerves, spinal cord	15	5	—	5	—	—
Open wounds	31	6	—	—	—	—
Cuts, lacerations	7	—	—	—	—	—
Gunshot wounds	14	—	—	—	—	—
Punctures, except bites	9	5	—	—	—	—
Surface wounds and bruises	3	—	—	—	—	—
Intracranial injuries	179	54	28	53	20	6
Multiple intracranial injuries	110	36	19	31	10	3
Multiple traumatic injuries and disorders	171	45	31	32	27	21
Intracranial injuries and injuries to internal organs	44	13	8	10	5	6
Other combinations of traumatic injuries	30	8	6	7	6	—
Other traumatic injuries and disorders	181	46	52	22	31	20
Asphyxiations/strangulations, suffocations ⁷	42	5	17	4	6	6
Internal injuries to organs and blood vessels of the trunk	139	41	35	18	25	14
Part of body¹						
Head	189	57	28	54	20	6
Cranial region, including skull	182	56	28	53	20	6
Brain	181	56	28	53	20	6
Neck, including throat	16	6	3	—	—	—
Neck, except internal location of diseases or disorders	16	6	3	—	—	—
Trunk	170	46	43	22	27	15
Chest, including ribs, internal organs	71	16	24	7	8	6
Back, including spine, spinal cord	6	—	—	4	—	—
Abdomen	9	—	—	—	3	—
Pelvic region	7	—	3	—	—	—
Multiple trunk locations	60	19	14	6	11	8
Lower extremities	14	4	—	—	3	—
Body systems	34	5	11	4	6	5
Multiple body parts	165	42	30	32	25	21

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Worker activity						
Vehicular and transportation operations	65	16	27	6	5	6
Driving, operating	11	4	—	3	—	—
Industrial or construction vehicle	8	—	—	—	—	—
Riding in, on	4	3	—	—	—	—
Boat	4	3	—	—	—	—
Boarding, alighting	10	—	7	—	3	—
Directing, flagging traffic	4	—	—	—	—	—
Walking in or near roadway, etc., n.e.c.	13	—	6	—	—	4
Vehicular and transportation operations, n.e.c.	20	4	13	—	—	—
Driving, operating farm vehicle	6	—	—	—	—	—
Boarding, alighting farm vehicle	5	—	5	—	—	—
Using or operating tools, machinery	146	30	8	83	12	4
Operating heavy equipment	33	11	3	5	6	4
Crane	7	5	—	—	—	—
Farm machinery	4	—	—	—	—	—
Earth moving machinery	5	—	—	3	—	—
Materials handling machinery	6	—	—	—	—	—
Operating machinery	13	8	—	—	—	—
Using power tools	15	—	—	9	—	—
Operating or reading gauges, valves, switches	3	—	3	—	—	—
Welding	9	5	—	—	—	—
Logging, trimming, pruning	69	—	—	65	—	—
Constructing, repairing, cleaning	223	68	70	8	45	11
Construction, assembling, dismantling	84	39	12	—	13	5
Constructing, assembling	27	14	—	—	3	3
Installing	21	12	3	—	—	—
Dismantling, removing	26	9	6	—	6	—
Repair, maintenance	112	21	55	—	28	4
Repairing	54	5	32	—	15	—
Maintenance	11	4	3	—	3	—
Adjusting	9	4	—	—	—	—
Unjamming	9	—	—	—	—	—
Inspecting or checking	6	3	—	—	—	—
Cleaning, washing	9	—	—	—	—	—
Clearing, spraying	7	—	—	6	—	—
Materials handling operations	95	35	8	6	17	19
Lifting materials	4	—	—	—	—	—
Loading, unloading (packing, unpacking) materials	60	23	8	—	9	11
Materials handling, n.e.c.	22	6	—	3	7	4
Physical activity⁸, n.e.c.	22	5	—	3	4	5
All other activities	36	6	3	9	—	3
Office work	4	—	—	—	—	—
Animal care and tending	4	—	—	—	—	—
Teaching	5	—	—	—	—	—
Activity, n.e.c.	22	5	3	6	—	—
Location						
Street or highway	33	6	10	7	6	—
Other highway (State or U.S.)	4	—	—	—	—	—
Local road or street	21	—	9	6	—	—
Road construction ⁹	8	3	—	—	4	—
Industrial place or premise	269	118	44	7	41	33
Industrial place and premises, unspecified	9	—	—	—	5	—
Dockyard	7	—	—	—	—	4
Loading platform, factory or store	7	—	—	—	—	—
Railway yard, includes railway line, tracks	6	—	4	—	—	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Location - continued						
Warehouse	21	—	3	—	—	10
Construction site	62	38	—	—	7	5
Factory, plant	48	28	—	—	8	3
Industrial place or premises, nec	82	33	24	—	13	7
Other specified place¹⁰	108	9	16	61	10	—
Parking lot, garage (employer's premises)	14	—	11	—	—	—
Parking lot, garage (except employer's premises)	6	—	3	—	—	—
River	7	4	—	—	—	—
Sea	3	3	—	—	—	—
Woods	60	—	—	56	3	—
Public building¹¹	14	4	—	—	3	—
School (State, public, private)	3	—	—	—	—	—
Farm	85	7	39	11	10	11
Farm buildings	9	—	5	—	—	4
Farm land under cultivation, fields, meadows	42	3	18	8	7	4
Private residence¹²	60	12	6	21	9	—
Residential construction ¹³	29	8	3	—	6	—
Mine, quarry	10	3	—	3	3	—
Gravel, sand pit	3	—	—	—	—	—
Mine	5	—	—	—	—	—
Place for recreation and sport	6	—	—	3	—	—
Recreational and sports areas	4	—	—	—	—	—
Unspecified place	3	—	—	—	—	—
Occupation¹⁴ (SOC)						
Management occupations	70	4	34	9	12	7
Other management occupations	68	4	33	8	12	7
Agricultural managers	60	3	32	7	10	6
Farmers and ranchers	60	3	32	7	10	6
Property, real estate, and community association managers	3	—	—	—	—	—
Property, real estate, and community association managers ..	3	—	—	—	—	—
Architecture and engineering occupations	3	—	—	—	—	—
Protective service occupations	6	—	—	—	—	—
Law enforcement workers	3	—	—	—	—	—
Building and grounds cleaning and maintenance occupations ...	39	—	—	33	5	—
Grounds maintenance workers	36	—	—	31	5	—
Grounds maintenance workers	36	—	—	31	5	—
Landscaping and groundskeeping workers	15	—	—	10	5	—
Tree trimmers and pruners	20	—	—	20	—	—
Personal care and service occupations	3	—	—	—	—	—
Sales and related occupations	10	3	5	—	—	—
Supervisors, sales workers	6	—	3	—	—	—
First-line supervisors/managers, sales workers	6	—	3	—	—	—
First-line supervisors/managers of retail sales workers	5	—	—	—	—	—
Office and administrative support occupations	4	—	—	—	—	—
Material recording, scheduling, dispatching, and distributing workers	3	—	—	—	—	—
Farming, fishing, and forestry occupations	71	—	8	50	3	5

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Occupation¹⁴ (SOC) - continued						
Supervisors, farming, fishing, and forestry workers	4	—	—	4	—	—
First-line supervisors/managers of farming, fishing, and forestry workers	4	—	—	4	—	—
First-line supervisors/managers of farming, fishing, and forestry workers	4	—	—	4	—	—
Agricultural workers	19	—	8	—	—	5
Miscellaneous agricultural workers	19	—	8	—	—	5
Farmworkers and laborers, crop, nursery, and greenhouse	9	—	5	—	—	—
Farmworkers, farm and ranch animals	9	—	—	—	—	4
Forest, conservation, and logging workers	48	—	—	44	3	—
Logging workers	48	—	—	44	3	—
Fallers	34	—	—	33	—	—
Logging workers, all other	12	—	—	9	—	—
Construction and extraction occupations	134	69	7	5	27	8
Supervisors, construction and extraction workers	12	4	—	—	—	4
First-line supervisors/managers of construction trades and extraction workers	12	4	—	—	—	4
First-line supervisors/managers of construction trades and extraction workers	12	4	—	—	—	4
Construction trades workers	90	42	6	—	22	4
Carpenters	7	—	—	—	—	—
Carpenters	7	—	—	—	—	—
Construction laborers	46	24	3	—	8	—
Construction laborers	46	24	3	—	8	—
Construction equipment operators	16	7	—	—	8	—
Operating engineers and other construction equipment operators	13	6	—	—	6	—
Electricians	3	—	—	—	—	—
Electricians	3	—	—	—	—	—
Glaziers	3	—	—	—	—	—
Glaziers	3	—	—	—	—	—
Pipelayers, plumbers, pipefitters, and steamfitters	7	4	—	—	—	—
Plumbers, pipefitters, and steamfitters	5	3	—	—	—	—
Other construction and related workers	4	—	—	—	—	—
Extraction workers	26	19	—	—	—	—
Derrick, rotary drill, and service unit operators, oil, gas, and mining	7	5	—	—	—	—
Derrick operators, oil and gas	3	3	—	—	—	—
Rotary drill operators, oil and gas	4	—	—	—	—	—
Earth drillers, except oil and gas	4	—	—	—	—	—
Earth drillers, except oil and gas	4	—	—	—	—	—
Mining machine operators	4	—	—	—	—	—
Mining machine operators, all other	3	—	—	—	—	—
Miscellaneous extraction workers	9	9	—	—	—	—
Extraction workers, all other	9	9	—	—	—	—
Installation, maintenance, and repair occupations	82	18	31	3	22	—
Supervisors of installation, maintenance, and repair workers	3	—	—	—	—	—
First-line supervisors/managers of mechanics, installers, and repairers	3	—	—	—	—	—
First-line supervisors/managers of mechanics, installers, and repairers	3	—	—	—	—	—
Electrical and electronic equipment mechanics, installers, and repairers	4	—	—	—	—	—
Vehicle and mobile equipment mechanics, installers, and repairers	50	9	27	—	12	—
Automotive technicians and repairers	25	4	19	—	—	—
Automotive service technicians and mechanics	22	4	16	—	—	—
Bus and truck mechanics and diesel engine specialists	5	—	—	—	—	—
Bus and truck mechanics and diesel engine specialists	5	—	—	—	—	—
Heavy vehicle and mobile equipment service technicians and mechanics	16	—	5	—	8	—
Mobile heavy equipment mechanics, except engines	13	—	3	—	7	—
Other installation, maintenance, and repair occupations	25	7	3	3	7	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Occupation¹⁴ (SOC) - continued						
Heating, air conditioning, and refrigeration mechanics and installers	3	—	—	—	—	—
Heating, air conditioning, and refrigeration mechanics and installers	3	—	—	—	—	—
Industrial machinery installation, repair, and maintenance workers	13	4	3	—	5	—
Industrial machinery mechanics	6	3	—	—	—	—
Maintenance and repair workers, general	4	—	—	—	—	—
Line installers and repairers	5	—	—	—	—	—
Electrical power-line installers and repairers	3	—	—	—	—	—
Miscellaneous installation, maintenance, and repair workers	4	—	—	—	—	—
Installation, maintenance, and repair workers, all other	3	—	—	—	—	—
Production occupations	51	31	3	—	5	3
First-line supervisors/managers of production and operating workers	4	—	—	—	—	—
First-line supervisors/managers of production and operating workers	4	—	—	—	—	—
Assemblers and fabricators	6	5	—	—	—	—
Miscellaneous assemblers and fabricators	4	3	—	—	—	—
Assemblers and fabricators, all other	3	—	—	—	—	—
Metal workers and plastic workers	21	15	—	—	—	—
Machine tool cutting setters, operators, and tenders, metal and plastic	3	3	—	—	—	—
Welding, soldering, and brazing workers	14	10	—	—	—	—
Welders, cutters, solderers, and brazers	14	10	—	—	—	—
Textile, apparel, and furnishings workers	3	—	—	—	—	—
Woodworkers	8	5	—	—	—	—
Woodworking machine setters, operators, and tenders	8	5	—	—	—	—
Sawing machine setters, operators, and tenders, wood	7	5	—	—	—	—
Other production occupations	8	3	—	—	—	—
Miscellaneous production workers	5	3	—	—	—	—
Production workers, all other	4	3	—	—	—	—
Transportation and material moving occupations	98	29	26	5	7	23
Motor vehicle operators	53	17	15	5	4	10
Driver/sales workers and truck drivers	53	17	15	5	4	10
Truck drivers, heavy and tractor-trailer	46	16	11	5	3	10
Truck drivers, light or delivery services	5	—	3	—	—	—
Water transportation workers	4	3	—	—	—	—
Sailors and marine oilers	3	—	—	—	—	—
Sailors and marine oilers	3	—	—	—	—	—
Material moving workers	37	9	7	—	3	13
Industrial truck and tractor operators	7	—	3	—	—	—
Industrial truck and tractor operators	7	—	3	—	—	—
Laborers and material movers, hand	27	7	4	—	—	11
Laborers and freight, stock, and material movers, hand	27	7	4	—	—	11
Military occupations¹⁵	7	—	—	—	—	—
Industry¹⁶ (NAICS)						
Private industry	567	157	116	112	81	47
Goods-producing	355	115	55	71	54	26
Natural resources and mining	171	27	42	64	17	14
Agriculture, forestry, fishing and hunting	137	5	42	60	14	11
Crop production	51	3	29	9	6	—
Oilseed and grain farming	3	—	—	—	—	—
Other crop farming	17	—	11	—	3	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Industry¹⁶						
(NAICS) - continued						
Hay farming	5	—	3	—	—	—
All other crop farming	9	—	6	—	—	—
All other miscellaneous crop farming	7	—	5	—	—	—
Animal production	27	—	11	—	4	8
Cattle ranching and farming	21	—	9	—	3	6
Beef cattle ranching and farming, including feedlots	6	—	—	—	3	—
Beef cattle ranching and farming	5	—	—	—	3	—
Dairy cattle and milk production	7	—	—	—	—	4
Forestry and logging	56	—	—	51	4	—
Logging	55	—	—	50	4	—
Logging	55	—	—	50	4	—
Mining¹⁷	34	22	—	4	3	3
Mining (except oil and gas)	5	—	—	—	—	—
Coal mining	3	—	—	—	—	—
Coal mining	3	—	—	—	—	—
Support activities for mining	27	20	—	—	—	3
Support activities for mining	27	20	—	—	—	3
Support activities for mining	27	20	—	—	—	3
Drilling oil and gas wells	12	9	—	—	—	—
Support activities for oil and gas operations	15	11	—	—	—	—
Construction	120	56	8	3	27	6
Construction	120	56	8	3	27	6
Construction of buildings	19	12	—	—	—	—
Residential building construction	10	5	—	—	—	—
Residential building construction	10	5	—	—	—	—
New single-family housing construction (except operative builders)	6	3	—	—	—	—
Nonresidential building construction	7	6	—	—	—	—
Commercial and institutional building construction	4	4	—	—	—	—
Heavy and civil engineering construction	29	11	—	—	13	—
Utility system construction	13	8	—	—	3	—
Water and sewer line and related structures construction	7	4	—	—	3	—
Oil and gas pipeline and related structures construction	4	—	—	—	—	—
Highway, street, and bridge construction	11	—	—	—	8	—
Highway, street, and bridge construction	11	—	—	—	8	—
Other heavy and civil engineering construction	5	—	—	—	—	—
Other heavy and civil engineering construction	5	—	—	—	—	—
Specialty trade contractors	65	29	5	—	12	5
Foundation, structure, and building exterior contractors	28	12	—	—	—	3
Structural steel and precast concrete contractors	3	—	—	—	—	—
Nonresidential structural steel and precast concrete contractors	3	—	—	—	—	—
Framing contractors	5	—	—	—	—	—
Masonry contractors	8	5	—	—	—	—
Glass and glazing contractors	5	—	—	—	—	—
Roofing contractors	3	—	—	—	—	—
Building equipment contractors	10	4	—	—	3	—
Plumbing, heating, and air-conditioning contractors	7	4	—	—	—	—
Building finishing contractors	4	—	—	—	—	—
Other specialty trade contractors	22	10	—	—	7	—
Site preparation contractors	17	9	—	—	5	—
Nonresidential site preparation contractors	7	4	—	—	—	—
All other specialty trade contractors	5	—	—	—	—	—
Manufacturing	64	32	5	4	10	6
Manufacturing	64	32	5	4	10	6
Wood product manufacturing	9	5	—	—	—	—
Sawmills and wood preservation	6	4	—	—	—	—
Sawmills and wood preservation	6	4	—	—	—	—
Sawmills	6	4	—	—	—	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Industry¹⁶						
(NAICS) - continued						
Other wood product manufacturing	3	-	-	-	-	-
Nonmetallic mineral product manufacturing	9	-	-	-	-	-
Cement and concrete product manufacturing	4	-	-	-	-	-
Other nonmetallic mineral product manufacturing	3	-	-	-	-	-
All other nonmetallic mineral product manufacturing	3	-	-	-	-	-
Cut stone and stone product manufacturing	3	-	-	-	-	-
Primary metal manufacturing	9	6	-	-	-	-
Iron and steel mills and ferroalloy manufacturing	4	4	-	-	-	-
Iron and steel mills and ferroalloy manufacturing	4	4	-	-	-	-
Iron and steel mills	4	4	-	-	-	-
Foundries	3	-	-	-	-	-
Ferrous metal foundries	3	-	-	-	-	-
Fabricated metal product manufacturing	11	7	-	-	-	-
Architectural and structural metals manufacturing	5	4	-	-	-	-
Plate work and fabricated structural product manufacturing	3	3	-	-	-	-
Other fabricated metal product manufacturing	3	-	-	-	-	-
Machinery manufacturing	7	4	-	-	-	-
Transportation equipment manufacturing	8	4	-	-	-	-
Service-providing	212	42	61	41	27	21
Trade, transportation, and utilities	109	32	35	-	10	20
Wholesale trade	34	12	11	-	4	4
Merchant wholesalers, durable goods	29	12	9	-	4	-
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	5	-	4	-	-	-
Motor vehicle parts (used) merchant wholesalers	5	-	4	-	-	-
Lumber and other construction materials merchant wholesalers	3	-	-	-	-	-
Metal and mineral (except petroleum) merchant wholesalers	5	3	-	-	-	-
Metal service centers and other metal merchant wholesalers	5	3	-	-	-	-
Machinery, equipment, and supplies merchant wholesalers	9	-	-	-	4	-
Construction and mining (except oil well) machinery and equipment merchant wholesalers	3	-	-	-	-	-
Farm and garden machinery and equipment merchant wholesalers	3	-	-	-	-	-
Industrial machinery and equipment merchant wholesalers	3	-	-	-	-	-
Miscellaneous durable goods merchant wholesalers	6	3	-	-	-	-
Recyclable material merchant wholesalers	6	3	-	-	-	-
Merchant wholesalers, nondurable goods	5	-	-	-	-	-
Retail trade	16	5	6	-	-	-
Motor vehicle and parts dealers	6	-	3	-	-	-
Automobile dealers	4	-	-	-	-	-
Used car dealers	3	-	-	-	-	-
Building material and garden equipment and supplies dealers	7	3	-	-	-	-
Building material and supplies dealers	7	3	-	-	-	-
Other building material dealers	4	-	-	-	-	-
Transportation and warehousing	53	15	17	-	3	14
Water transportation	4	3	-	-	-	-
Deep sea, coastal, and great lakes water transportation	3	-	-	-	-	-
Deep sea, coastal, and great lakes water transportation	3	-	-	-	-	-
Truck transportation	24	9	4	-	-	7
General freight trucking	17	8	-	-	-	5
General freight trucking, local	7	3	-	-	-	3
General freight trucking, long-distance	9	4	-	-	-	-
General freight trucking, long-distance, truckload	6	3	-	-	-	-
Specialized freight trucking	5	-	-	-	-	-
Specialized freight (except used goods) trucking, local	3	-	-	-	-	-
Support activities for transportation	18	3	7	-	-	6
Support activities for water transportation	8	-	-	-	-	5
Marine cargo handling	6	-	-	-	-	3
Support activities for road transportation	5	-	4	-	-	-

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Industry¹⁶ (NAICS) - continued						
Motor vehicle towing	5	—	4	—	—	—
Couriers and messengers	3	—	3	—	—	—
Utilities	6	—	—	—	—	—
Utilities	6	—	—	—	—	—
Electric power generation, transmission and distribution	3	—	—	—	—	—
Information	3	—	—	—	—	—
Information	3	—	—	—	—	—
Financial activities	4	—	—	—	—	—
Real estate and rental and leasing	4	—	—	—	—	—
Real estate	4	—	—	—	—	—
Lessors of real estate	4	—	—	—	—	—
Professional and business services	49	3	—	32	8	—
Professional, scientific, and technical services	3	—	—	—	—	—
Professional, scientific, and technical services	3	—	—	—	—	—
Administrative and waste services	46	—	—	31	7	—
Administrative and support services	40	—	—	31	6	—
Employment services	3	—	—	—	—	—
Professional employer organizations	3	—	—	—	—	—
Investigation and security services	3	—	—	—	—	—
Services to buildings and dwellings	33	—	—	29	4	—
Landscaping services	32	—	—	29	3	—
Waste management and remediation services	6	—	—	—	—	—
Educational and health services	4	—	—	—	—	—
Health care and social assistance	4	—	—	—	—	—
Leisure and hospitality	8	—	—	3	—	—
Arts, entertainment, and recreation	5	—	—	—	—	—
Performing arts, spectator sports, and related industries	3	—	—	—	—	—
Accommodation and food services	3	—	—	—	—	—
Other services, except public administration	34	6	19	—	6	—
Other services, except public administration	34	6	19	—	6	—
Repair and maintenance	30	5	18	—	6	—
Automotive repair and maintenance	22	3	17	—	—	—
Automotive mechanical and electrical repair and maintenance ..	19	3	14	—	—	—
General automotive repair	19	3	14	—	—	—
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	7	—	—	—	5	—
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	7	—	—	—	5	—
Government¹⁸	22	3	—	4	—	—
Federal government (including resident armed forces)	8	—	—	—	—	—
Service-providing	8	—	—	—	—	—
Public administration	8	—	—	—	—	—
Public administration	8	—	—	—	—	—
National security and international affairs	7	—	—	—	—	—

See footnotes at end of table.

TABLE F-4. Fatal occupational injuries to workers struck by objects¹ by type of object, 2006 — Continued

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
Industry¹⁶ (NAICS) - continued						
National security and international affairs	7	—	—	—	—	—
National security	7	—	—	—	—	—
State government	4	—	—	—	—	—
Service-providing	4	—	—	—	—	—
Local government	9	—	—	—	—	—
Goods-producing	3	—	—	—	—	—
Construction	3	—	—	—	—	—
Construction	3	—	—	—	—	—
Service-providing	6	—	—	—	—	—

¹ Based on the BLS Occupational Injury and Illness Classification Manual.
² May include volunteers and workers receiving other types of compensation.
³ 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.
⁴ Persons identified as Hispanic or Latino may be of any race. The racial categories shown exclude data for Hispanics and Latinos.
⁵ The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted.
⁶ The secondary source of injury, if any, identifies the object, substance, or person that generated the source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "perpetrator" is the secondary source. For most falls, the secondary source identifies the equipment or surface from which the worker fell.
⁷ May include some asphyxiations due to chest compressions.
⁸ Includes, but is not limited to, walking, sitting, running, and climbing ladders or stairs.
⁹ The road construction location category was implemented in 1995. Includes road construction workers and vehicle occupants fatally injured in work zones. Work zones include construction, maintenance, and utility work on a road, street, or highway.
¹⁰ Primarily includes outdoor areas such as bodies of water, woods, noncultivated fields, and parking lots.
¹¹ Includes buildings and adjacent grounds used by the general public or a particular group, such as hotels, restaurants, stores, office buildings, courthouses, and schools.
¹² Private residence fatalities primarily occurred to repair or maintenance workers, police while on duty, firefighters, or residential construction workers.
¹³ The residential construction location category was implemented in 1998.
¹⁴ Based on the 2000 Standard Occupational Classification system.
¹⁵ Includes fatalities to persons identified as resident armed forces regardless of individual occupation listed.
¹⁶ Based on the North American Industry Classification System, 2002.
¹⁷ Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.
¹⁸ Includes fatalities to workers employed by governmental organizations regardless of industry.
NOTE: Totals for 2006 are revised and final. Totals for major categories may include subcategories not shown separately. 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, New York City, District of Columbia, and Federal agencies, Census of Fatal Occupational Injuries