

**TABLE F-4. Fatal occupational injuries to workers struck by objects<sup>1</sup> 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
<b>State of incident</b>						
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
<b>Employee status</b>						
Wage and salary workers <sup>2</sup> .....	454	148	69	76	67	39
Self-employed <sup>3</sup> .....	135	12	49	40	16	9
<b>Sex</b>						
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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Age</b>						
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
<b>Race or ethnic origin<sup>4</sup></b>						
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	—	—	—	—	—
<b>Event or exposure<sup>1</sup></b>						
<b>Contact with objects and equipment</b> .....	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	—
<b>Primary source<sup>5</sup></b>						
<b>Vehicles</b> .....	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	—	—	—
<b>Structures and surfaces</b> .....	28	—	—	—	—	—
Other structural elements .....	21	—	—	—	—	—
Doors .....	3	—	—	—	—	—
Gates .....	5	—	—	—	—	—
Walls .....	7	—	—	—	—	—
Structures .....	7	—	—	—	—	—
Scaffolds, staging .....	3	—	—	—	—	—
Towers, poles .....	3	—	—	—	—	—
<b>Machinery</b> .....	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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Primary source<sup>5</sup> - continued</b>						
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	-
<b>Parts and materials</b> .....	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	-	-	-	-
<b>Persons, plants, animals, and minerals</b> .....	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	-	-
<b>Tools, instruments, and equipment</b> .....	6	-	-	-	-	-
Handtools--nonpowered .....	3	-	-	-	-	-
Handtools--powered .....	3	-	-	-	-	-
<b>Containers</b> .....	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
<b>Other</b> .....	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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Primary source<sup>5</sup> - continued</b>						
Scrap, waste, debris .....	6	—	—	—	—	—
Chips, particles, splinters .....	4	—	—	—	—	—
<b>Secondary source<sup>6</sup></b>						
<b>Vehicles</b> .....	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	—	—	—	—	—
<b>Structures and surfaces</b> .....	19	7	5	—	3	—
Floors, walkways, ground surfaces .....	4	—	—	—	—	—
Other structural elements .....	5	—	—	—	—	—
Structures .....	10	6	—	—	—	—
Towers, poles .....	4	3	—	—	—	—
<b>Machinery</b> .....	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	—	—	—	—
<b>Parts and materials</b> .....	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	—
<b>Persons, plants, animals, and minerals</b> .....	18	—	—	12	—	—
Plants, trees, vegetation--not processed .....	13	—	—	12	—	—
Trees, logs .....	13	—	—	12	—	—
<b>Tools, instruments, and equipment</b> .....	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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Secondary source<sup>6</sup> - continued</b>						
Other tools .....	14	—	—	—	—	—
Firearms .....	14	—	—	—	—	—
Pistol, handgun, revolver .....	7	—	—	—	—	—
<b>Containers</b> .....	6	4	—	—	—	—
Containers-nonpressurized .....	4	3	—	—	—	—
<b>Other</b> .....	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	—	—
<b>Not reported</b> .....	259	31	70	72	52	18
<b>Nature<sup>1</sup></b>						
<b>Traumatic injuries to bones, nerves, spinal cord</b> .....	22	7	4	7	—	—
Fractures .....	4	—	—	—	—	—
Traumatic injuries to spinal cord .....	3	—	—	—	—	—
Multiple traumatic injuries to bones, nerves, spinal cord .....	15	5	—	5	—	—
<b>Open wounds</b> .....	31	6	—	—	—	—
Cuts, lacerations .....	7	—	—	—	—	—
Gunshot wounds .....	14	—	—	—	—	—
Punctures, except bites .....	9	5	—	—	—	—
<b>Surface wounds and bruises</b> .....	3	—	—	—	—	—
<b>Intracranial injuries</b> .....	179	54	28	53	20	6
Multiple intracranial injuries .....	110	36	19	31	10	3
<b>Multiple traumatic injuries and disorders</b> .....	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	—
<b>Other traumatic injuries and disorders</b> .....	181	46	52	22	31	20
Asphyxiations/strangulations, suffocations <sup>7</sup> .....	42	5	17	4	6	6
Internal injuries to organs and blood vessels of the trunk .....	139	41	35	18	25	14
<b>Part of body<sup>1</sup></b>						
<b>Head</b> .....	189	57	28	54	20	6
Cranial region, including skull .....	182	56	28	53	20	6
Brain .....	181	56	28	53	20	6
<b>Neck, including throat</b> .....	16	6	3	—	—	—
Neck, except internal location of diseases or disorders .....	16	6	3	—	—	—
<b>Trunk</b> .....	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
<b>Lower extremities</b> .....	14	4	—	—	3	—
<b>Body systems</b> .....	34	5	11	4	6	5
<b>Multiple body parts</b> .....	165	42	30	32	25	21

See footnotes at end of table.

**TABLE F-4. Fatal occupational injuries to workers struck by objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Worker activity</b>						
<b>Vehicular and transportation operations</b> .....	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	—	—	—
<b>Using or operating tools, machinery</b> .....	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	—	—
<b>Constructing, repairing, cleaning</b> .....	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
<b>Physical activity<sup>8</sup>, n.e.c.</b> .....	22	5	—	3	4	5
<b>All other activities</b> .....	36	6	3	9	—	3
Office work .....	4	—	—	—	—	—
Animal care and tending .....	4	—	—	—	—	—
Teaching .....	5	—	—	—	—	—
Activity, n.e.c. ....	22	5	3	6	—	—
<b>Location</b>						
<b>Street or highway</b> .....	33	6	10	7	6	—
Other highway (State or U.S.) .....	4	—	—	—	—	—
Local road or street .....	21	—	9	6	—	—
Road construction <sup>9</sup> .....	8	3	—	—	4	—
<b>Industrial place or premise</b> .....	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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Location - continued</b>						
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
<b>Other specified place<sup>10</sup></b> .....	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	—
<b>Public building<sup>11</sup></b> .....	14	4	—	—	3	—
School (State, public, private) .....	3	—	—	—	—	—
<b>Farm</b> .....	85	7	39	11	10	11
Farm buildings .....	9	—	5	—	—	4
Farm land under cultivation, fields, meadows .....	42	3	18	8	7	4
<b>Private residence<sup>12</sup></b> .....	60	12	6	21	9	—
Residential construction <sup>13</sup> .....	29	8	3	—	6	—
<b>Mine, quarry</b> .....	10	3	—	3	3	—
Gravel, sand pit .....	3	—	—	—	—	—
Mine .....	5	—	—	—	—	—
<b>Place for recreation and sport</b> .....	6	—	—	3	—	—
Recreational and sports areas .....	4	—	—	—	—	—
<b>Unspecified place</b> .....	3	—	—	—	—	—
<b>Occupation<sup>14</sup> (SOC)</b>						
<b>Management occupations</b> .....	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	—	—	—	—	—
<b>Architecture and engineering occupations</b> .....	3	—	—	—	—	—
<b>Protective service occupations</b> .....	6	—	—	—	—	—
Law enforcement workers .....	3	—	—	—	—	—
<b>Building and grounds cleaning and maintenance occupations</b> ...	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	—	—
<b>Personal care and service occupations</b> .....	3	—	—	—	—	—
<b>Sales and related occupations</b> .....	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	—	—	—	—	—
<b>Office and administrative support occupations</b> .....	4	—	—	—	—	—
Material recording, scheduling, dispatching, and distributing workers .....	3	—	—	—	—	—
<b>Farming, fishing, and forestry occupations</b> .....	71	—	8	50	3	5

See footnotes at end of table.

**TABLE F-4. Fatal occupational injuries to workers struck by objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Occupation<sup>14</sup> (SOC) - continued</b>						
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	—	—
<b>Construction and extraction occupations .....</b>	<b>134</b>	<b>69</b>	<b>7</b>	<b>5</b>	<b>27</b>	<b>8</b>
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	—	—	—	—
<b>Installation, maintenance, and repair occupations .....</b>	<b>82</b>	<b>18</b>	<b>31</b>	<b>3</b>	<b>22</b>	<b>—</b>
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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Occupation<sup>14</sup> (SOC) - continued</b>						
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	—	—	—	—	—
<b>Production occupations</b> .....	<b>51</b>	<b>31</b>	<b>3</b>	<b>—</b>	<b>5</b>	<b>3</b>
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	—	—	—	—
<b>Transportation and material moving occupations</b> .....	<b>98</b>	<b>29</b>	<b>26</b>	<b>5</b>	<b>7</b>	<b>23</b>
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
<b>Military occupations<sup>15</sup></b> .....	<b>7</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Industry<sup>16</sup> (NAICS)</b>						
<b>Private industry</b> .....	<b>567</b>	<b>157</b>	<b>116</b>	<b>112</b>	<b>81</b>	<b>47</b>
<b>Goods-producing</b> .....	<b>355</b>	<b>115</b>	<b>55</b>	<b>71</b>	<b>54</b>	<b>26</b>
<b>Natural resources and mining</b> .....	<b>171</b>	<b>27</b>	<b>42</b>	<b>64</b>	<b>17</b>	<b>14</b>
<b>Agriculture, forestry, fishing and hunting</b> .....	<b>137</b>	<b>5</b>	<b>42</b>	<b>60</b>	<b>14</b>	<b>11</b>
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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Industry<sup>16</sup> (NAICS) - continued</b>						
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	—
<b>Mining<sup>17</sup> .....</b>	<b>34</b>	<b>22</b>	<b>—</b>	<b>4</b>	<b>3</b>	<b>3</b>
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	—	—	—	—
<b>Construction .....</b>	<b>120</b>	<b>56</b>	<b>8</b>	<b>3</b>	<b>27</b>	<b>6</b>
<b>Construction .....</b>	<b>120</b>	<b>56</b>	<b>8</b>	<b>3</b>	<b>27</b>	<b>6</b>
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	—	—	—	—	—
<b>Manufacturing .....</b>	<b>64</b>	<b>32</b>	<b>5</b>	<b>4</b>	<b>10</b>	<b>6</b>
<b>Manufacturing .....</b>	<b>64</b>	<b>32</b>	<b>5</b>	<b>4</b>	<b>10</b>	<b>6</b>
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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Industry<sup>16</sup></b>						
<b>(NAICS) - continued</b>						
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	-	-	-	-
<b>Service-providing</b> .....	212	42	61	41	27	21
<b>Trade, transportation, and utilities</b> .....	109	32	35	-	10	20
<b>Wholesale trade</b> .....	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	-	-	-	-	-
<b>Retail trade</b> .....	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	-	-	-	-	-
<b>Transportation and warehousing</b> .....	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 objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Industry<sup>16</sup> (NAICS) - continued</b>						
Motor vehicle towing .....	5	—	4	—	—	—
Couriers and messengers .....	3	—	3	—	—	—
<b>Utilities</b> .....	6	—	—	—	—	—
Utilities .....	6	—	—	—	—	—
Electric power generation, transmission and distribution .....	3	—	—	—	—	—
<b>Information</b> .....	3	—	—	—	—	—
Information .....	3	—	—	—	—	—
<b>Financial activities</b> .....	4	—	—	—	—	—
<b>Real estate and rental and leasing</b> .....	4	—	—	—	—	—
Real estate .....	4	—	—	—	—	—
Lessors of real estate .....	4	—	—	—	—	—
<b>Professional and business services</b> .....	49	3	—	32	8	—
<b>Professional, scientific, and technical services</b> .....	3	—	—	—	—	—
Professional, scientific, and technical services .....	3	—	—	—	—	—
<b>Administrative and waste services</b> .....	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	—	—	—	—	—
<b>Educational and health services</b> .....	4	—	—	—	—	—
<b>Health care and social assistance</b> .....	4	—	—	—	—	—
<b>Leisure and hospitality</b> .....	8	—	—	3	—	—
<b>Arts, entertainment, and recreation</b> .....	5	—	—	—	—	—
Performing arts, spectator sports, and related industries .....	3	—	—	—	—	—
<b>Accommodation and food services</b> .....	3	—	—	—	—	—
<b>Other services, except public administration</b> .....	34	6	19	—	6	—
<b>Other services, except public administration</b> .....	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	—
<b>Government<sup>18</sup></b> .....	22	3	—	4	—	—
<b>Federal government (including resident armed forces)</b> .....	8	—	—	—	—	—
<b>Service-providing</b> .....	8	—	—	—	—	—
<b>Public administration</b> .....	8	—	—	—	—	—
<b>Public administration</b> .....	8	—	—	—	—	—
National security and international affairs .....	7	—	—	—	—	—

See footnotes at end of table.

**TABLE F-4. Fatal occupational injuries to workers struck by objects<sup>1</sup> by type of object, 2006 — Continued**

Characteristics	All objects	Parts and materials	Vehicles	Persons, plants, animals, and minerals	Machinery	Containers
<b>Industry<sup>16</sup> (NAICS) - continued</b>						
National security and international affairs .....	7	—	—	—	—	—
National security .....	7	—	—	—	—	—
<b>State government</b> .....	4	—	—	—	—	—
<b>Service-providing</b> .....	4	—	—	—	—	—
<b>Local government</b> .....	9	—	—	—	—	—
<b>Goods-producing</b> .....	3	—	—	—	—	—
<b>Construction</b> .....	3	—	—	—	—	—
<b>Construction</b> .....	3	—	—	—	—	—
<b>Service-providing</b> .....	6	—	—	—	—	—

<sup>1</sup> Based on the BLS Occupational Injury and Illness Classification Manual.  
<sup>2</sup> May include volunteers and workers receiving other types of compensation.  
<sup>3</sup> 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.  
<sup>4</sup> Persons identified as Hispanic or Latino may be of any race. The racial categories shown exclude data for Hispanics and Latinos.  
<sup>5</sup> 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.  
<sup>6</sup> 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.  
<sup>7</sup> May include some asphyxiations due to chest compressions.  
<sup>8</sup> Includes, but is not limited to, walking, sitting, running, and climbing ladders or stairs.  
<sup>9</sup> 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.  
<sup>10</sup> Primarily includes outdoor areas such as bodies of water, woods, noncultivated fields, and parking lots.  
<sup>11</sup> Includes buildings and adjacent grounds used by the general public or a particular group, such as hotels, restaurants, stores, office buildings, courthouses, and schools.  
<sup>12</sup> Private residence fatalities primarily occurred to repair or maintenance workers, police while on duty, firefighters, or residential construction workers.  
<sup>13</sup> The residential construction location category was implemented in 1998.  
<sup>14</sup> Based on the 2000 Standard Occupational Classification system.  
<sup>15</sup> Includes fatalities to persons identified as resident armed forces regardless of individual occupation listed.  
<sup>16</sup> Based on the North American Industry Classification System, 2002.  
<sup>17</sup> 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.  
<sup>18</sup> 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