

**Table A-6. Fatal occupational injuries by worker activity at the time of the incident and event, 1993**

Worker activity	Fatalities		Event or exposure <sup>1</sup> (percent)						
	Number	Percent	Total	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Total .....	6,271	100.0	100	39.6	20.9	16.6	9.7	9.4	3.2
<b>Vehicular and transportation operations</b> .....	2,352	37.5	100	87.8	6.0	3.0	1.3	1.5	.4
Driving, operating .....	1,583	25.2	100	89.2	7.3	1.6	.3	1.0	.4
Automobile .....	466	7.4	100	79.4	19.1	.9	—	—	—
Airplane .....	143	2.3	100	99.3	—	—	—	—	—
Truck .....	702	11.2	100	94.2	2.8	1.0	—	.7	.7
Industrial or construction vehicle .....	87	1.4	100	80.5	—	11.5	—	5.7	—
Boat .....	27	.4	100	85.2	—	—	—	—	—
Train .....	8	.1	100	100.0	—	—	—	—	—
Bus .....	8	.1	100	87.5	—	—	—	—	—
Bicycle, motorcycle .....	17	.3	100	100.0	—	—	—	—	—
Riding in, on .....	403	6.4	100	90.6	2.2	1.5	2.7	2.5	—
Automobile .....	48	.8	100	89.6	8.3	—	—	—	—
Airplane .....	108	1.7	100	100.0	—	—	—	—	—
Truck .....	92	1.5	100	97.8	—	—	—	—	—
Industrial/construction vehicle .....	11	.2	100	72.7	—	—	—	—	—
Boat .....	80	1.3	100	88.8	—	—	—	6.2	—
Train .....	9	.1	100	88.9	—	—	—	—	—
Bus .....	4	.1	100	100.0	—	—	—	—	—
Boarding, alighting .....	38	.6	100	26.3	21.1	18.4	26.3	—	—
Resurfacing, blacktopping, etc. ....	13	.2	100	53.8	—	—	—	—	—
Directing, flagging traffic .....	36	.6	100	94.4	—	—	—	—	—
Walking in or near roadway, etc., n.e.c. ....	75	1.2	100	88.0	—	10.7	—	—	—
Vehicular and transportation operations, n.e.c. ....	184	2.9	100	82.6	2.2	11.4	—	2.7	—
Driving, operating farm vehicle .....	144	2.3	100	88.9	—	8.3	—	—	—
Riding in, on farm vehicle .....	11	.2	100	90.9	—	—	—	—	—
<b>Using or operating tools, machinery</b> .....	698	11.1	100	22.6	1.1	48.7	7.4	10.9	8.7
Operating heavy equipment .....	307	4.9	100	45.3	—	42.3	3.9	6.5	1.3
Hydraulic equipment .....	7	.1	100	—	—	71.4	—	—	—
Crane .....	12	.2	100	—	—	41.7	33.3	—	—
Farm machinery .....	170	2.7	100	57.6	—	37.1	—	4.1	—
Mine machinery .....	26	.4	100	—	—	84.6	—	—	—
Earth moving machinery .....	24	.4	100	62.5	—	29.2	—	—	—
Materials handling machinery .....	24	.4	100	45.8	—	41.7	—	—	—
Operating machinery .....	81	1.3	100	—	4.9	61.7	—	8.6	21.0
Using power tools .....	35	.6	100	11.4	—	45.7	—	34.3	—
Using nonpowered hand tools .....	24	.4	100	—	—	45.8	16.7	33.3	—
Operating or reading gauges, valves, switches .....	21	.3	100	—	—	—	—	33.3	38.1
Welding .....	36	.6	100	—	—	16.7	—	—	63.9
Logging, trimming, pruning .....	166	2.6	100	6.6	—	66.9	16.9	9.6	—
Using or operating tools, machinery, gauges, n.e.c. ....	17	.3	100	—	—	35.3	—	—	29.4
<b>Constructing, repairing, cleaning</b> .....	1,066	17.0	100	7.3	3.0	31.0	29.0	24.1	5.5
Construction, assembling, dismantling .....	364	5.8	100	6.9	1.9	29.7	37.9	22.0	1.6
Constructing, assembling .....	94	1.5	100	5.3	—	26.6	41.5	23.4	—
Installing .....	108	1.7	100	4.6	—	29.6	28.7	33.3	3.7
Dismantling, removing .....	70	1.1	100	—	—	47.1	28.6	15.7	—
Repair, maintenance .....	418	6.7	100	6.9	2.9	39.5	17.2	25.1	8.4
Repairing .....	213	3.4	100	8.0	—	39.0	14.6	27.2	9.9
Maintenance .....	71	1.1	100	—	5.6	35.2	16.9	31.0	8.5
Adjusting .....	12	.2	100	—	—	66.7	—	—	—
Unjamming .....	16	.3	100	—	—	62.5	—	—	—
Inspecting or checking .....	67	1.1	100	10.4	—	11.9	34.3	34.3	7.5
Cleaning, washing .....	86	1.4	100	9.3	9.3	31.4	20.9	22.1	7.0
Clearing, spraying .....	20	.3	100	25.0	—	35.0	—	25.0	—
Painting, etc. ....	46	.7	100	—	—	—	58.7	23.9	13.0
Constructing, repairing, cleaning, n.e.c. ....	12	.2	100	—	—	—	41.7	—	—
<b>Protective service activities</b> .....	174	2.8	100	6.9	68.4	4.6	2.9	6.9	10.3
Fighting a fire .....	19	.3	100	—	—	—	—	—	89.5
Apprehending, breaking up fight, chasing .....	34	.5	100	—	97.1	—	—	—	—
Rescuing or evacuating .....	7	.1	100	—	—	—	—	71.4	—
<b>Materials handling operations</b> .....	252	4.0	100	10.3	4.8	42.9	11.9	20.2	6.7
Carrying materials .....	16	.3	100	—	—	—	—	31.2	—
Holding materials .....	8	.1	100	—	—	—	—	75.0	—
Loading, unloading (packing, unpacking) materials .....	105	1.7	100	10.5	4.8	60.0	11.4	8.6	4.8
Working with chemicals (except cleaning) .....	14	.2	100	—	—	—	—	50.0	42.9
Retrieving objects .....	17	.3	100	29.4	—	—	—	29.4	—
Materials handling, n.e.c. ....	62	1.0	100	11.3	—	45.2	11.3	22.6	—
<b>Physical activity<sup>2</sup>, n.e.c.</b> .....	362	5.8	100	20.4	21.3	19.3	26.2	10.8	—
<b>All other activities</b> .....	1,366	21.8	100	5.1	67.4	8.3	6.6	8.7	2.5
Tending a retail establishment .....	480	7.7	100	—	96.0	.8	.8	.8	—

See footnotes at end of table.

**Table A-6. Fatal occupational injuries by worker activity at the time of the incident and event, 1993 — Continued**

Worker activity	Fatalities		Event or exposure <sup>1</sup> (percent)						
	Number	Percent	Total	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Office work .....	50	.8	100	—	92.0	—	—	—	—
Health care and social services activities .....	24	.4	100	—	50.0	—	—	16.7	—
Animal care and tending .....	33	.5	100	—	60.6	15.2	—	12.1	—
Legal service activities .....	5	.1	100	—	100.0	—	—	—	—
Activity, n.e.c. ....	760	12.1	100	8.2	48.9	13.2	9.9	13.7	3.9

<sup>1</sup> Based on the 1992 BLS Occupational Injury and Illness Classification Structures.

<sup>2</sup> Includes walking, sitting, running, and climbing ladders or stairs.

n.e.c. = not elsewhere classified.

NOTE: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries, 1993.