

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Total U. S.	6,217	6,331	6,632	6,275	6,202	6,238	6,055	6,054	5,920	5,915	5,534
State of incident											
Alabama	145	138	153	150	155	139	135	123	103	138	102
Alaska	91	66	60	78	63	51	43	42	53	64	42
Arizona	67	55	79	86	77	61	74	70	118	87	101
Arkansas	82	71	85	93	88	102	86	76	106	68	80
California	644	657	639	646	641	651	626	603	555	516	478
Colorado	103	99	120	112	91	120	77	106	117	139	123
Connecticut	42	31	35	32	35	32	57	38	55	41	39
Delaware	11	13	15	12	18	17	11	14	13	10	11
District of Columbia	8	25	21	16	19	23	13	14	13	11	8
Florida	329	345	358	391	336	366	384	345	329	368	354
Georgia	204	230	249	237	214	242	202	229	195	237	197
Hawaii	28	26	21	24	27	19	15	33	21	41	25
Idaho	45	43	50	53	62	56	51	43	35	45	39
Illinois	250	252	247	250	262	240	216	208	206	231	190
Indiana	148	136	195	156	143	190	155	171	159	152	136
Iowa	110	88	74	54	70	80	68	80	71	62	57
Kansas	82	99	106	95	85	93	98	87	85	94	89
Kentucky	117	143	158	140	141	143	117	120	132	105	146
Louisiana	153	171	187	139	134	137	159	141	143	117	103
Maine	19	20	22	18	23	19	26	32	26	24	30
Maryland	103	82	80	86	82	82	78	82	84	64	102
Massachusetts	67	85	74	66	62	69	44	84	70	54	46
Michigan	143	160	180	149	155	174	179	182	156	175	152
Minnesota	103	113	82	84	92	72	88	72	68	76	81
Mississippi	123	121	126	128	104	104	113	129	125	111	94
Missouri	140	131	155	125	140	123	145	165	148	145	175
Montana	65	38	50	34	50	56	58	49	42	58	51
Nebraska	43	78	83	54	56	46	56	66	59	57	83
Nevada	49	38	41	51	52	55	60	58	51	40	47
New Hampshire	10	13	14	12	11	23	23	14	13	9	19
New Jersey	138	145	114	118	100	101	103	104	115	129	129
New Mexico	35	55	54	58	60	50	48	39	35	59	63
New York (except N.Y.C.)	127	154	180	158	169	155	149	121	122	120	140
New York City	187	191	184	144	148	109	94	122	111	100	100
North Carolina	169	214	226	187	191	210	228	222	234	203	169
North Dakota	20	30	21	28	23	35	24	22	34	25	25
Ohio	203	190	209	186	201	201	186	222	207	209	202
Oklahoma	78	86	97	200	87	104	75	100	82	115	92

See footnotes at end of table.

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	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
State of incident - continued											
Oregon	88	84	80	73	85	84	72	69	52	44	63
Pennsylvania	242	241	354	233	282	259	235	221	199	225	188
Rhode Island	17	16	12	11	6	11	12	23	7	17	8
South Carolina	100	87	83	115	109	131	111	140	115	91	107
South Dakota	28	28	31	26	32	23	28	46	35	35	36
Tennessee	145	154	170	179	152	168	150	154	160	136	140
Texas	536	529	497	475	514	459	523	468	572	536	417
Utah	59	66	66	51	64	66	67	54	61	65	52
Vermont	11	7	8	16	7	9	16	14	15	6	11
Virginia	175	135	164	132	154	166	177	155	149	146	142
Washington	97	112	118	109	128	116	113	88	75	102	86
West Virginia	77	66	61	56	66	53	57	57	46	63	40
Wisconsin	135	138	109	117	108	114	97	105	107	110	91
Wyoming	26	36	35	32	28	29	33	32	36	40	33
Employee status											
Wage and salary workers ²	4,975	5,025	5,370	5,074	4,977	4,970	4,804	4,904	4,736	4,781	4,481
Self-employed ³	1,242	1,303	1,262	1,201	1,225	1,268	1,251	1,150	1,184	1,134	1,053
Sex											
Men	5,774	5,842	6,104	5,736	5,688	5,761	5,569	5,612	5,471	5,442	5,092
Women	443	489	528	539	514	477	486	442	449	473	442
Age											
Under 16 years	27	29	25	26	27	21	33	26	29	20	16
16 to 17 years	41	39	42	42	43	41	32	46	44	33	25
18 to 19 years	107	102	114	130	125	113	137	122	127	122	92
20 to 24 years	544	508	545	486	444	503	421	451	446	441	436
25 to 34 years	1,556	1,521	1,567	1,409	1,362	1,325	1,238	1,175	1,163	1,142	1,023
35 to 44 years	1,538	1,584	1,619	1,571	1,586	1,524	1,525	1,510	1,473	1,478	1,403
45 to 54 years	1,167	1,204	1,310	1,256	1,242	1,302	1,279	1,333	1,313	1,368	1,253
55 to 64 years	767	811	866	827	855	875	836	816	831	775	784
65 and over	469	530	534	525	518	534	554	575	494	530	495

See footnotes at end of table.

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	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Race or ethnic origin⁴											
White	4,711	4,665	4,954	4,599	4,586	4,576	4,478	4,410	4,244	4,175	3,926
Black or African American	618	649	695	684	615	661	583	616	575	565	491
Hispanic or Latino	533	634	624	619	638	658	707	730	815	895	841
American Indian or Alaskan Native	36	46	39	27	35	34	28	54	33	48	40
Asian, Native Hawaiian or Pacific Islander	192	206	211	188	188	218	164	180	185	182	140
Multiple races	—	—	—	—	—	—	—	—	—	6	4
Other races or not reported	127	131	109	158	140	91	95	63	68	44	92
Event or exposure											
Contact with objects and equipment	1,004	1,045	1,017	916	1,010	1,035	944	1,030	1,006	962	872
Struck by object	557	565	590	547	582	579	520	585	571	553	505
Struck by falling object	361	346	372	341	403	384	319	358	357	343	302
Struck by flying object	77	81	68	63	58	54	59	55	61	60	38
Struck by discharged object or substance	27	32	21	23	24	22	19	19	13	24	12
Struck by swinging or slipping object	42	33	31	44	36	43	30	39	31	39	42
Struck by rolling, sliding objects on floor or ground level	38	63	60	60	55	68	75	97	92	72	93
Caught in or compressed by equipment or objects	316	311	280	255	285	320	266	302	294	266	231
Caught in running equipment or machinery	159	151	147	131	146	189	129	163	157	144	110
Compressed or pinched by rolling, sliding, or shifting objects	55	57	56	56	66	55	62	51	46	59	50
Caught in or crushed in collapsing materials	110	138	132	99	131	118	140	129	123	122	116
Excavation or trenching cave-in	42	38	49	33	55	35	46	44	40	36	34
Other cave-in	5	23	12	5	13	9	15	18	6	10	7
Landslide	5	3	3	4	3	4	—	—	—	—	—
Caught in or crushed in collapsing structure	31	27	31	32	35	38	42	28	45	44	52
Falls	600	618	665	651	691	716	706	721	734	810	719
Fall to lower level	507	534	580	578	610	653	625	634	659	700	638
Fall down stairs or steps	13	14	19	16	15	13	12	23	22	24	11
Fall from floor, dock, or ground level	37	38	27	33	27	40	32	43	46	43	38
Fall through existing floor opening	11	24	14	16	13	20	21	19	25	24	24
Fall through floor surface	—	4	—	4	3	4	—	7	6	5	—
Fall from loading dock	—	5	4	—	4	6	—	—	4	3	3
Fall from ground level to lower level	10	4	5	7	4	4	3	7	5	6	4
Fall from ladder	78	76	86	97	97	116	111	96	110	123	126
Fall from piled or stacked material	3	7	5	—	4	5	3	4	—	5	—
Fall from roof	108	120	129	143	149	154	157	153	150	159	143
Fall through existing roof opening	8	6	11	18	15	20	12	14	15	11	11
Fall through roof surface	12	14	18	19	21	17	20	16	12	26	11
Fall through skylight	10	19	14	18	16	17	22	18	16	23	20

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	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Event or exposure - continued											
Fall from roof edge	44	38	41	36	46	56	47	70	69	55	62
Fall from scaffold, staging	66	71	89	82	88	87	98	92	85	91	88
Fall from building girders or other structural steel	37	40	34	34	38	48	44	49	44	41	41
Fall from nonmoving vehicle	39	33	48	34	55	53	48	47	61	58	60
Fall to lower level, n.e.c.	95	112	119	117	117	121	107	116	123	143	119
Jump to lower level	8	8	7	3	13	4	-	3	3	5	-
Jump from structure, or structural element	3	-	-	-	5	-	-	-	-	-	-
Fall on same level	62	49	63	53	52	44	51	70	56	84	64
Fall to floor, walkway, or other surface	43	35	46	33	40	33	34	54	44	65	53
Fall onto or against objects	14	9	14	13	7	9	8	10	9	11	9
Exposure to harmful substances or environments	605	592	641	609	533	554	576	533	481	499	539
Contact with electric current	334	325	348	348	281	298	334	280	256	285	289
Contact with electric current of machine, tool, appliance, light fixture	60	44	63	55	46	41	51	51	42	47	42
Contact with wiring, transformers, or other electrical component	66	100	98	94	70	71	84	76	67	78	90
Contact with overhead power lines	140	115	132	139	116	138	153	125	128	124	122
Contact with underground, buried power lines	-	5	6	5	5	5	9	4	-	4	4
Struck by lightning	15	16	15	17	18	22	21	13	7	15	16
Contact with temperature extremes	33	38	50	56	33	40	48	51	29	35	60
Exposure to environmental heat	12	22	28	35	18	22	34	35	21	24	40
Exposure to environmental cold	5	4	7	8	-	-	-	-	-	-	5
Contact with hot objects or substances	16	11	15	13	13	17	11	15	7	9	14
Exposure to caustic, noxious, or allergenic substances ..	127	116	133	107	123	123	105	108	100	96	99
Inhalation of substance	83	68	84	62	76	59	48	55	48	49	49
Inhalation in enclosed, restricted, or confined space ⁵	51	43	44	35	56	25	27	23	22	25	20
Inhalation in open or nonconfined space	18	15	24	21	12	19	14	23	20	18	23
Contact with skin or other exposed tissue	5	3	-	3	5	3	4	-	5	7	-
Injections, stings, venomous bites	10	10	11	9	14	23	12	16	10	9	10
Needle sticks	3	-	-	-	3	7	-	6	-	-	-
Bee, wasp, hornet sting	4	5	8	4	5	10	6	5	6	3	6
Ingestion of substance	13	13	12	18	20	26	20	21	24	16	23
Oxygen deficiency	111	112	109	97	95	90	87	92	94	83	90
Drowning, submersion	78	90	89	77	70	72	75	75	75	59	60
Depletion of oxygen from cave-in or collapsed materials	-	4	3	-	-	-	-	-	-	-	-
Depletion of oxygen in other enclosed, restricted, or confined space ⁵	13	3	-	10	12	5	7	-	5	13	10
Transportation incidents	2,484	2,499	2,762	2,587	2,601	2,605	2,645	2,618	2,573	2,524	2,385
Highway	1,158	1,242	1,343	1,346	1,346	1,393	1,442	1,496	1,365	1,409	1,373

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	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Event or exposure - continued											
Collision between vehicles, mobile equipment	578	659	654	642	667	640	707	714	696	727	636
Re-entrant collision	13	13	9	9	19	8	14	29	16	14	9
Moving in same direction	78	100	120	127	96	103	120	129	136	142	155
Moving in opposite directions, oncoming	201	245	230	246	220	230	272	270	243	257	202
Moving in intersection	107	123	144	99	153	142	143	161	154	138	146
Moving and standing vehicle, mobile equipment-in roadway	28	31	21	31	35	24	39	39	50	43	46
Moving and standing vehicle, mobile equipment-side of road	18	22	19	14	16	21	14	19	21	29	19
Vehicle struck stationary object or equipment in roadway	28	30	27	19	29	22	18	33	24	29	33
Vehicle struck stationary object or equipment on side of road	164	159	228	256	214	260	289	301	255	268	293
Noncollision	301	336	373	352	352	387	375	390	356	339	373
Jack-knifed or overturned--no collision	213	236	274	261	266	298	302	322	304	273	312
Ran off highway--no collision	64	57	58	57	43	49	32	41	30	35	25
Struck by shifting load	-	3	-	-	3	3	9	-	-	5	-
Sudden start or stop, n.e.c.	-	7	8	11	12	4	4	8	5	5	9
Nonhighway (farm, industrial premises)	436	392	409	387	374	377	388	352	399	326	323
Collision between vehicles or mobile equipment	16	13	17	4	11	15	9	13	15	10	12
Vehicle, mobile equipment struck stationary object	19	22	27	23	37	24	30	29	50	35	32
Noncollision accident	389	342	353	355	316	328	332	305	326	272	271
Fall from moving vehicle, mobile equipment	26	17	23	36	20	17	19	21	23	36	20
Fell from and struck by vehicle, mobile equipment ..	94	87	71	71	59	71	70	58	72	57	58
Overturned	208	214	226	209	206	216	217	206	213	158	164
Loss of control	24	3	8	6	6	4	4	-	-	8	6
Struck by shifting load	-	3	-	-	-	5	3	5	-	3	-
Sudden start or stop, n.e.c.	4	-	-	5	-	-	-	-	-	-	3
Aircraft	353	282	426	283	324	261	224	228	280	247	194
Worker struck by vehicle, mobile equipment	346	365	391	388	353	367	413	377	370	383	356
Worker struck by vehicle, mobile equipment in roadway	109	127	137	123	125	129	131	137	122	157	126
Worker struck by vehicle, mobile equipment on side of road	59	56	66	60	51	56	66	65	70	50	60
Worker struck by vehicle, mobile equipment in parking lot or non-road area	144	151	151	175	162	160	199	165	169	169	164
Water vehicle	109	119	94	87	119	109	112	102	84	90	71
Collision	-	4	4	-	-	8	9	5	-	12	8
Explosion, fire, n.e.c.	-	-	6	-	9	4	-	-	-	4	-
Fall from ship or boat, n.e.c.	40	43	39	32	43	37	49	32	38	25	27
Fall on ship, boat	4	-	7	6	7	7	6	8	4	3	8
Sinking, capsized water vehicle	54	54	32	29	40	37	37	42	25	39	19
Railway	66	86	81	82	74	93	60	56	71	62	64

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Event or exposure - continued											
Collision between railway vehicles	—	7	12	10	10	7	—	8	6	6	3
Collision between railway vehicle and other vehicle	47	64	62	60	52	72	48	42	54	52	47
Collision between railway vehicle and other object	—	—	—	—	4	—	—	—	—	—	—
Fell from and struck by railway vehicle	5	—	—	4	—	6	5	—	3	—	5
Derailment	—	6	—	—	—	—	—	—	—	—	—
Fall in, on, or from railway vehicle in motion, n.e.c.	3	—	—	—	—	—	—	—	—	—	—
Assaults and violent acts	1,281	1,329	1,321	1,280	1,165	1,111	962	909	930	908	840
Homicides	1,044	1,074	1,080	1,036	927	860	714	651	677	643	609
Hitting, kicking, beating	52	35	47	46	50	48	48	48	37	36	34
Shooting	852	884	934	762	761	708	574	509	533	509	469
Stabbing	90	95	60	67	80	73	61	62	66	58	58
Assaults and violent acts by person(s), n.e.c.	30	48	31	153	29	26	24	26	38	38	38
Suicide, self-inflicted injury	205	222	214	221	204	216	221	218	221	230	199
Assaults by animals	29	32	27	20	32	33	24	39	31	35	32
Fires and explosions	167	204	202	207	185	196	206	216	177	188	165
Fires--unintended or uncontrolled	59	91	106	97	98	87	117	115	100	89	88
Fires, unspecified	3	9	6	3	5	5	4	—	5	—	—
Fire in residence, building, or other structure	31	53	52	57	64	39	69	74	56	52	48
Forest, brush, or other outdoor fire	5	4	20	9	10	8	14	6	6	7	9
Ignition of clothing from controlled heat source	4	—	3	3	—	7	3	6	—	6	—
Explosion	105	111	96	107	85	109	89	99	76	99	77
Explosion, unspecified	18	8	5	7	4	6	4	5	—	5	—
Explosion of pressure vessel or piping	36	39	32	42	45	37	39	38	30	47	33
Other events or exposures	76	44	24	25	17	21	16	27	19	24	14
Primary and secondary source											
Primary source⁶											
Vehicles	2,466	2,557	2,803	2,603	2,637	2,642	2,710	2,701	2,641	2,607	2,453
Air vehicle	347	286	428	284	328	266	230	233	287	253	195
Aircraft--powered fixed wing	199	164	314	184	203	142	121	152	187	185	143
Jet	45	37	142	30	74	21	16	29	29	48	24
Propeller-driven aircraft	81	65	127	80	83	99	71	85	135	105	90
Aircraft--powered rotary wing	89	71	67	54	80	66	74	62	79	43	37
Helicopter	78	69	66	50	69	64	74	59	58	43	37
Aircraft--nonpowered	—	—	—	—	5	8	7	5	6	4	5
Highway vehicle, motorized	1,592	1,716	1,784	1,786	1,768	1,850	1,924	1,946	1,839	1,874	1,803
Automobile	468	464	476	500	448	436	436	415	409	396	354

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	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Bus	13	16	9	18	21	12	13	23	26	27	14
Motorcycle, moped	14	15	18	13	15	23	15	18	23	31	26
Truck	904	1,025	1,060	1,035	1,068	1,168	1,239	1,261	1,200	1,221	1,223
Delivery truck	38	39	43	39	45	54	48	58	51	46	50
Dump truck	89	80	93	88	101	98	110	92	100	93	107
Pickup truck	148	174	212	187	184	224	253	273	231	279	291
Semitrailer, tractor trailer, trailer truck	353	448	449	441	442	496	532	568	548	500	503
Van--passenger or light delivery	78	66	106	90	98	96	128	149	129	143	144
Highway vehicle, nonmotorized	6	4	15	8	10	8	3	5	6	4	7
Animal or human powered vehicle	6	4	15	8	8	8	3	5	6	4	7
horse drawn carriage	-	-	3	-	-	-	-	-	-	-	-
Bicycle	6	-	11	4	3	3	-	5	4	-	-
Offroad vehicle, nonindustrial	24	15	21	18	34	16	19	28	29	23	30
All terrain vehicle (ATV)	11	7	9	9	16	9	9	13	16	14	22
Golf cart, powered	-	-	4	5	3	-	6	10	3	-	6
Snowmobile	3	-	-	-	6	-	-	-	-	-	-
Plant and industrial powered vehicles, tractors	323	347	404	344	320	327	373	344	347	310	297
Forklift	60	64	80	71	78	75	90	105	96	93	70
Hand/riding forklift truck--motorized	-	-	4	-	-	-	-	3	4	-	-
Order picker high lift truck	-	-	-	-	-	3	-	-	-	-	-
Pallet lift truck--motorized	-	-	-	4	-	-	5	-	5	-	-
Platform lift truck--high or low lift	-	4	5	5	3	-	8	5	3	3	3
Powered industrial carrier, except forklift	12	7	10	4	4	5	3	4	8	4	4
Stacker carrier	-	3	-	-	-	-	-	-	-	-	-
Tractor	244	269	307	264	230	240	276	230	231	211	214
Rail vehicle	40	56	41	49	43	49	35	34	36	37	33
Amusement park rail vehicle	-	-	-	-	-	-	3	-	-	-	-
Train	35	48	38	41	36	40	21	27	21	27	29
Water vehicle	114	122	93	91	121	114	117	105	90	93	78
Barge	20	19	21	9	7	19	17	8	13	10	14
Canoe, kayak, rowboat, raft	-	6	5	3	-	-	4	3	9	5	4
Motorboat	-	11	4	3	4	14	-	15	11	10	8
Ships--other than sail powered	7	10	12	10	32	19	14	7	10	11	9
Tugboat, commercial fishing boat	59	51	40	47	66	50	60	60	35	48	38
Structures and surfaces	609	663	717	704	783	806	795	796	831	915	821
Floors, walkways, ground surfaces	521	564	614	612	675	702	683	686	727	784	690
Floors	144	164	210	191	195	208	228	239	235	252	211
Ground	191	221	228	242	284	309	304	300	289	330	308
Sidewalks, paths, outdoor walkways	22	21	36	21	20	26	34	31	38	38	40
Street, road	19	13	22	8	17	12	15	22	29	19	13

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Surfaces below ground level, n.e.c.	30	12	21	22	41	25	32	25	35	25	19
Ditches, channels, trenches, excavations	25	8	19	20	38	23	27	22	31	18	17
Parking lots	16	13	16	12	19	25	16	21	19	22	19
Other floors, walkways, ground surfaces	14	24	15	15	14	11	14	10	15	23	14
Piers, wharfs	-	-	-	-	-	-	-	-	3	-	-
Ramps, runways, loading docks	3	7	4	4	-	3	6	-	-	3	3
Floors, walkways, ground surfaces, n.e.c.	7	12	7	8	6	3	4	6	6	8	7
Other structural elements	34	37	53	50	46	51	49	43	45	47	58
Doors	-	3	10	7	-	4	6	3	8	7	6
Fences, fence panels	-	-	-	-	3	4	-	-	3	5	3
Gates	4	5	6	-	3	5	5	4	3	3	4
Roof	12	13	9	8	8	10	9	7	5	8	9
Walls	11	9	19	27	15	16	21	21	18	16	28
Structures	38	54	41	34	57	51	55	61	54	70	62
Bridges, dams, locks	-	8	-	-	-	-	-	-	4	-	-
Buildings--office, plant, residential	8	4	10	9	18	16	19	20	14	16	30
Mines, caves, tunnels	3	15	3	4	9	4	10	8	4	11	6
Scaffolds, staging	4	5	9	5	6	4	4	6	8	15	10
Towers, poles	15	19	12	9	14	16	15	13	16	17	11
Other structures	6	-	6	4	9	6	4	9	6	7	4
Wells	-	-	-	-	-	-	-	-	-	3	-
Machinery	594	500	498	479	466	555	481	494	484	461	439
Agricultural and garden machinery	143	118	100	91	81	109	101	78	66	66	68
Harvesting and threshing machinery	34	33	24	35	15	31	29	27	24	18	18
Balers	9	15	10	12	8	12	10	6	5	8	3
Combines	15	7	3	11	4	8	5	9	7	4	6
Harvesters, reapers	4	3	3	-	-	6	7	4	7	-	6
Mowing machinery	56	32	38	30	34	46	36	30	25	22	24
Lawn mowers--riding	5	5	6	5	3	11	8	8	7	7	9
Mowers, tractor	46	20	22	20	28	32	28	20	16	15	13
Plowing, planting, and fertilizing machinery	17	14	11	5	11	12	9	6	9	10	8
Plowing and cultivating machinery	3	5	-	-	3	6	5	-	-	3	3
Seed planting machinery	-	-	-	-	-	-	-	-	-	3	-
Spreading machinery--agricultural	5	-	4	-	6	3	-	-	6	-	-
Other agricultural and garden machinery	23	32	19	19	19	19	22	14	7	16	17
Feed grinders, crushers, mixers--agricultural	3	5	6	4	6	3	4	6	-	5	7
Spraying and dusting machinery--agricultural	-	3	-	3	-	-	-	-	-	3	-
Construction, logging, and mining machinery	189	188	183	197	175	204	175	191	185	175	174
Excavating machinery	46	52	56	59	56	65	64	60	69	45	59
Backhoes	22	19	21	19	19	21	28	29	36	24	25

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Bulldozers	21	25	24	28	26	28	25	19	26	13	22
Trenchers	—	—	3	3	—	3	3	3	—	—	4
Loaders	53	61	53	56	44	54	49	55	45	49	47
Bucket loaders	11	8	12	5	5	7	3	6	5	10	8
End loaders	—	—	7	—	—	—	—	—	3	3	—
Front end loaders	24	35	29	38	30	30	31	34	26	23	25
Logging and wood processing machinery--specialized	30	24	22	23	22	22	20	24	19	23	22
Chippers	7	3	3	4	3	—	—	7	6	4	3
Log loaders, including heel boom	—	—	3	4	6	—	—	3	—	4	3
Forwarder/yarder, skidder	6	8	4	5	3	6	7	6	5	4	3
Skidder--cable and grapple	9	5	8	5	7	6	7	—	6	3	8
Mining and drilling machinery	24	17	12	19	22	27	13	8	19	17	13
Drilling machines, drilling augers	6	6	3	6	14	12	9	—	14	10	11
Tunnelling machines	—	—	—	3	—	—	—	—	—	—	—
Road grading and surfacing machinery	27	24	28	27	20	20	18	34	23	29	28
Asphalt and mortar spreaders	3	—	—	—	—	—	—	—	—	—	—
Graders, levellers, planers, scrapers	13	9	16	10	14	11	12	15	9	12	15
Steam rollers, road pavers	5	8	8	14	4	7	3	14	7	14	11
Heating, cooling, and cleaning machinery and appliances	32	10	20	18	24	21	19	20	19	21	11
Cooling and humidifying machinery and appliances	13	5	9	8	13	11	11	12	9	12	7
Heating and cooking machinery and appliances	12	3	7	5	5	5	3	—	6	5	4
Washers, dryers, and cleaning machinery and appliances	7	—	4	5	6	5	4	7	3	4	—
Material handling (cranes, conveyers, jacks)	144	104	109	101	103	118	109	109	115	126	104
Conveyors--gravity	—	—	—	—	—	—	—	—	—	—	4
Conveyors--powered	28	30	33	23	26	33	24	19	33	29	18
Cranes	67	31	33	38	33	47	53	47	46	45	28
Cranes--gantry	—	—	—	—	—	—	—	—	—	4	—
Cranes--mobile, truck, rail mounted	15	8	11	8	8	13	18	26	9	17	6
Cranes--overhead	7	3	4	4	—	8	9	—	7	7	—
Cranes--portal, tower, pillar	—	—	—	—	—	—	—	—	4	—	—
Overhead hoists	7	—	7	4	4	—	—	4	4	10	6
Overhead hoists--electric powered	—	—	—	—	—	—	—	—	—	3	4
Derricks	7	—	—	—	3	—	—	—	—	—	—
Elevators	19	34	23	26	29	27	23	30	23	31	38
Bucket or basket hoist--truck mounted	6	6	3	6	5	7	6	10	8	14	20
Elevators--electric	3	3	—	3	—	5	3	4	3	3	3
Elevators--hydraulic	—	—	—	—	—	—	3	4	3	—	3
Manlifts	—	8	—	3	8	3	6	7	5	4	4

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Jacks	3	—	—	—	3	3	—	4	4	4	4
Metal, woodworking, and special material machinery	31	30	31	32	33	44	34	39	42	34	30
Bending, rolling, shaping machinery	6	5	—	4	6	3	3	5	—	3	3
Shearing machines	—	3	—	—	—	—	—	—	—	—	—
Rolling mills, rolling, calendaring machinery	—	—	—	3	—	—	—	—	—	—	—
Boring, drilling, planing, milling machinery	5	3	4	—	—	—	—	—	4	6	4
Extruding, injecting, forming, molding machinery	4	12	10	10	6	15	11	13	14	10	7
Casting machinery	—	—	—	—	—	5	3	4	3	—	—
Extruding machinery	—	—	—	—	—	—	—	—	6	—	—
Forging machinery	—	—	4	—	—	—	—	3	—	—	—
Plastic injection molding machinery	—	5	3	—	—	4	5	3	—	5	4
Grinding, polishing machinery	—	—	—	—	—	—	—	—	—	3	—
Lathes	3	—	3	—	—	5	3	5	—	—	4
Metal working lathes	3	—	—	—	—	—	—	3	—	—	—
Presses, except printing	—	3	3	4	5	7	5	4	11	5	4
Assembly presses	—	—	—	—	—	3	—	—	—	—	—
Punch presses	—	—	—	—	—	—	—	—	4	—	—
Sawing machinery, stationary	5	—	3	8	5	7	—	3	4	3	—
Other metal, woodworking, and special material machinery	3	—	3	3	4	—	7	7	6	3	—
Spot welding machinery	—	—	—	—	—	—	7	4	3	—	—
Special process machinery	27	26	29	26	23	35	20	29	36	25	27
Food and beverage processing machinery--specialized	3	6	6	3	5	5	6	4	6	8	6
Packaging, bottling, wrapping machinery	—	—	—	—	—	11	3	10	4	—	3
Paper production machinery	5	—	3	5	4	4	3	—	5	4	4
Printing machinery and equipment	3	—	3	3	—	3	—	—	—	—	—
Textile, apparel, leather production machinery	—	4	6	—	5	4	—	—	5	—	—
Miscellaneous machinery	22	19	19	12	19	19	20	18	19	12	24
Snow plows	—	—	3	—	—	—	—	—	—	—	—
Street sweeping and cleaning machinery	4	—	—	—	3	6	5	—	5	—	7
Parts and materials	408	464	443	466	410	393	404	400	403	421	357
Building materials--solid elements	114	121	120	105	106	117	113	121	133	135	105
Bricks, blocks, structural stone	12	18	15	15	11	15	17	18	19	20	21
Pipes, ducts, tubing	28	29	38	24	36	33	27	38	39	48	29
Structural metal materials	47	43	43	45	39	41	44	40	50	45	40
Bars, rods, reinforcing bar (rebar)	10	6	4	8	—	6	6	10	7	7	10
Plates, metal panels	4	8	5	7	5	3	3	3	6	7	3
Sheet metal	5	—	—	—	—	—	—	—	6	—	—
Wood, lumber	17	23	19	10	13	22	17	19	20	14	9

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Other building materials--solid elements	7	4	4	9	3	5	7	6	5	7	6
Fasteners, connectors, ropes, ties	41	44	43	46	52	40	40	50	68	75	62
Fasteners	—	3	3	—	—	3	—	—	4	—	—
Ropes, ties	35	37	35	44	49	35	34	48	61	70	57
Chains, n.e.c.	3	4	4	3	—	—	—	—	—	7	6
Rope, twine, string	15	13	16	20	29	13	13	25	36	35	26
Strapping	—	—	—	—	—	—	—	3	—	—	—
Wire--nonelectrical	4	3	—	—	3	4	—	—	4	—	4
Valves, nozzles	4	3	—	—	—	—	3	—	3	3	—
Fasteners, connectors, ropes, ties, n.e.c.	—	—	3	—	—	—	—	—	—	—	—
Hoisting accessories	3	—	6	3	—	5	—	4	—	7	4
Hooks, shackles, magnets, clamshells	—	—	—	—	—	—	—	—	—	4	—
Hoisting accessories, n.e.c.	—	—	3	—	—	3	—	3	—	—	3
Machine, tool, and electrical parts	212	235	226	243	199	169	188	171	157	157	144
Electric parts	181	214	210	215	175	145	159	155	130	141	122
Electrical wiring	47	72	61	75	59	44	56	46	47	62	59
Generators	3	—	—	—	—	—	—	5	—	—	—
Motors	—	6	—	—	—	—	—	—	—	—	—
Power lines, transformers, convertors	94	95	102	91	90	70	70	76	67	58	42
Relays, rheostats, starters, controls	—	—	—	—	—	—	3	—	3	—	—
Switchboards, switches, fuses	8	17	7	16	9	9	9	5	4	5	8
Metal materials--nonstructural	7	11	20	10	8	17	7	6	4	4	9
Metal sheets, ingots, bars--nonstructural	—	—	3	—	—	—	3	—	3	—	—
Molten or hot metals, slag	3	—	6	—	3	7	—	3	—	—	4
Tars, sealants, caulking, insulating material	—	3	—	—	3	3	5	—	—	—	3
Tarps and sheeting--nonmetal	—	—	—	—	—	—	—	—	3	—	—
Vehicle and mobile equipment parts	27	41	22	45	33	36	43	44	30	38	29
Tires, inner tubes, wheels	18	22	9	23	15	19	24	20	13	20	13
Wheels, tire rims	8	11	4	10	6	7	10	9	4	8	8
Engine parts and accessories	—	4	4	—	3	3	3	6	4	3	6
Trailers	4	7	6	14	9	10	8	8	9	9	7
Persons, plants, animals, and minerals	372	354	306	292	333	309	264	308	291	263	263
Animals and animal products	39	41	41	27	40	46	40	48	44	33	40
Insects, arachnids	4	6	9	5	5	11	9	5	6	3	8
Mammals, except humans	33	34	30	20	34	30	27	42	37	29	31
Cattle	21	20	14	13	22	17	14	24	19	16	21
Horses	8	8	13	4	10	9	8	15	15	12	9
Mammals, n.e.c.	4	4	—	—	—	—	—	—	—	—	—
Food products--fresh or processed	14	26	23	26	24	31	15	30	29	29	27
Infectious and parasitic agents	—	3	—	—	4	—	—	—	—	—	—

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Metallic minerals	—	6	—	—	—	—	—	—	—	—	—
Metal ores--nonradiating	—	5	—	—	—	—	—	—	—	—	—
Nonmetallic minerals, except fuel	48	50	56	36	43	31	39	50	25	35	30
Boulders	6	—	—	3	5	—	—	5	—	5	—
Dirt, earth	20	31	30	13	18	12	18	25	10	16	18
Rocks, crushed stone	16	9	12	16	16	15	13	15	9	9	5
Sand, gravel	5	5	8	—	3	—	5	5	3	4	—
Person--other than injured or ill worker	46	27	21	37	40	26	34	33	30	35	37
Co-worker, former co-worker or injured worker	—	—	3	4	4	—	3	—	3	—	7
Health care patient or resident of health care facility	—	—	3	—	—	—	—	—	—	5	4
Robber	—	—	—	—	—	—	12	11	8	6	5
Plants, trees, vegetation--not processed	171	176	159	150	179	170	127	139	154	124	125
Cash grain crops	—	10	4	—	3	—	8	—	—	5	—
Field crops	—	4	—	—	—	—	—	—	—	—	—
Trees, logs	160	161	150	147	174	162	116	135	150	117	122
Chemicals and chemical products	180	162	182	138	145	155	134	163	124	122	125
Acids	8	—	3	3	4	3	—	4	3	4	3
Alkalies	3	—	5	—	5	5	—	5	—	5	—
Aromatics and hydrocarbon derivatives, except halogenated	5	6	8	5	3	3	—	5	—	5	3
Halogens and halogen compounds	6	4	6	—	—	4	3	3	—	3	5
Metallic particulates, trace elements, dusts, powders, fumes	8	3	—	—	—	3	—	—	—	—	—
Agricultural chemicals and other pesticides	3	—	7	—	—	4	—	—	—	—	—
Chemical products--general	44	38	47	36	47	64	62	59	55	45	52
Drugs, alcohol, medicines	36	28	37	32	34	46	51	48	42	40	45
Explosives, blasting agents, n.e.c.	4	—	5	—	7	10	9	8	7	—	—
Pyrotechnics, fireworks	—	—	—	—	—	—	—	3	4	—	—
Paint, lacquer, shellac, varnish, n.e.c.	—	—	—	—	—	3	—	—	—	—	—
Solvents, degreasers, n.e.c.	—	—	—	—	—	—	—	—	3	—	—
Coal, natural gas, petroleum fuels and products	20	16	15	17	9	6	—	19	7	8	12
Coal and coal products	5	4	3	—	—	—	—	—	—	—	3
Natural gas	4	—	—	5	—	—	—	6	—	—	—
Petroleum, crude oil	—	3	—	—	—	—	—	—	—	—	—
Petroleum fuels, distillates, products, unspecified	6	8	9	9	—	4	—	7	3	4	7
Gasoline, diesel fuel, jet fuel	—	4	3	—	—	—	—	3	—	—	—
Propane	—	—	—	6	—	—	—	3	—	—	—
Other chemicals	74	88	86	66	69	60	54	60	47	51	45
Ammonia and ammonium compounds	—	10	6	—	4	3	—	—	6	4	—
Cyanide and cyanide compounds, n.e.c.	4	3	6	3	—	4	—	—	—	—	—

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Oxygen and oxygen compounds, n.e.c.	51	49	51	43	44	41	31	35	22	23	28
Carbon monoxide	45	41	44	35	38	38	21	26	18	21	21
Sewer gas, mine gas, methane	12	7	11	-	-	-	-	4	-	8	5
Sulfur and sulfur compounds	-	9	7	6	15	-	12	10	5	4	7
Multiple chemicals or chemical mixtures, n.e.c.	3	8	-	4	-	-	-	6	3	-	4
Tools, instruments, and equipment	150	139	138	135	137	143	129	132	127	122	145
Handtools--nonpowered	84	99	96	79	101	87	77	84	71	74	80
Cutting handtools	64	79	69	63	88	74	55	59	58	59	60
Bolt cutters	-	-	3	-	-	-	-	-	-	-	-
Knives	52	71	54	51	81	65	50	52	48	48	50
Striking and nailing handtools	3	4	11	4	3	3	5	6	6	-	4
Turning handtools, screwdrivers, wrenches	5	3	-	4	-	3	7	8	3	-	5
Handtools--powered	22	20	16	19	14	18	20	15	20	17	21
Boring handtools	-	5	3	-	-	3	6	-	3	-	-
Cutting handtools	12	7	5	7	5	6	8	7	9	10	12
Chainsaws	7	3	3	-	-	3	7	-	6	6	8
Saws--powered, except chainsaws	-	-	-	5	3	3	-	4	-	4	4
Striking and nailing handtools	-	-	-	-	3	-	-	-	-	-	-
Welding and heating handtools	3	3	5	8	-	4	5	5	3	-	5
Other handtools--powered	3	3	-	-	-	4	-	-	-	-	-
Handtools--power not determined	7	3	4	-	3	5	3	-	-	-	4
Cutting handtools	6	-	-	-	-	-	-	-	-	-	-
Ladders	16	9	9	17	9	17	18	11	17	15	22
Ladders--movable	14	6	6	11	5	14	16	10	14	15	19
Extension ladders	6	4	-	7	-	4	11	5	6	7	13
Protective equipment, except clothing	-	-	-	-	-	-	-	3	-	-	-
Recreation and athletic equipment	5	-	5	4	-	6	3	8	7	4	6
Other tools	7	-	5	5	3	-	-	3	5	3	6
Firearms	-	-	-	-	-	-	-	-	-	-	3
Containers	78	78	84	87	96	94	82	72	84	83	74
Containers--nonpressurized	43	40	36	42	38	43	35	29	43	37	33
Bags, sacks, totes	4	-	4	4	6	5	-	3	-	3	5
Barrels, kegs, drums	3	5	3	5	4	3	5	-	3	-	3
Bottles, jugs, flasks	-	3	-	-	-	-	-	-	-	-	-
Boxes, crates, cartons	5	-	4	8	6	5	3	4	10	6	7
Buckets, baskets, pails	-	3	-	-	-	4	-	-	-	-	-
Cans	-	-	-	-	-	-	-	-	3	-	-
Tanks, bins, vats	27	21	22	20	17	23	22	17	24	22	15
Containers--pressurized	18	16	17	19	25	24	22	18	18	21	16

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Primary source⁶ - continued											
Boilers	5	5	-	-	-	3	-	-	-	-	-
Hoses	-	-	-	3	-	-	5	-	-	4	4
Oxygen tanks	-	-	-	-	3	-	-	-	-	4	-
Pressure lines, except hoses	3	-	-	-	-	4	4	-	4	5	-
Propane tanks	-	-	-	4	-	-	-	-	-	-	-
Containers-variable restraint	9	19	24	22	27	21	19	22	18	23	24
Bundles, bales	7	13	19	13	18	12	14	11	8	16	17
Reels, rolls	-	6	5	8	7	9	5	11	10	7	7
Skids, pallets	6	-	5	-	3	-	6	3	4	-	-
Other	1,360	1,413	1,461	1,371	1,195	1,141	1,056	988	935	921	857
Furniture and fixtures	22	12	22	14	16	16	19	19	16	26	15
Cases, cabinets, racks, and shelves	7	3	8	3	5	4	5	7	4	7	4
Garment racks, other racks	-	-	4	-	-	-	-	-	-	-	-
Furniture	5	3	3	4	-	5	-	3	-	7	-
Other fixtures	10	5	11	7	8	6	9	7	12	10	10
Ammunition	989	1,039	1,074	1,026	880	848	722	645	655	638	582
Bullets	934	997	1,005	844	854	823	699	628	641	621	564
Explosive devices	-	7	-	128	3	4	-	-	-	-	-
Pellets	23	15	21	12	10	10	14	13	11	12	11
Atmospheric and environmental conditions	147	174	184	189	159	144	184	179	140	155	150
Avalanche, mud slide	4	-	-	-	-	-	-	-	-	-	-
Fire, flame, smoke	94	118	128	115	101	87	115	123	100	106	80
Fire, flame	44	71	70	75	64	61	85	93	72	73	55
Smoke, fire gases	38	31	51	33	23	21	14	25	20	27	19
Temperature extreme	16	27	35	43	20	23	36	37	23	26	45
Cold--environmental	5	4	7	8	-	-	-	-	-	-	5
Heat--environmental	11	23	28	35	18	22	34	36	21	24	40
Weather and atmospheric conditions	18	17	15	20	24	22	24	15	10	13	16
Ice, sleet, snow	-	-	-	-	6	-	-	-	3	-	-
Lightning	15	16	14	17	18	21	20	13	7	12	16
Steam, vapors, liquids	104	105	97	91	85	79	84	93	88	69	75
Steam, vapors--nonchemical	5	7	-	8	6	3	5	6	-	4	6
Liquids	99	98	96	83	79	76	79	87	87	65	68
Water	94	96	94	82	74	73	79	84	79	62	66
Scrap, waste, debris	7	7	10	5	5	5	4	6	4	5	5
Chips, particles, splinters	3	-	3	-	3	-	3	-	-	3	3
Sewage	-	3	-	-	-	-	-	-	-	-	-
Trash, garbage	-	-	-	-	-	-	-	3	-	-	-

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷											
Vehicles	827	960	1,001	911	979	949	1,028	1,006	982	1,048	926
Air vehicle	43	36	37	11	51	22	34	7	22	14	9
Aircraft--powered fixed wing	33	14	32	9	17	14	18	3	17	7	9
Jet	16	7	3	—	—	—	5	—	4	—	5
Propeller-driven aircraft	—	—	27	5	14	9	5	—	9	5	4
Aircraft--powered rotary wing	3	11	—	—	27	—	15	—	—	6	—
Helicopter	—	11	—	—	27	—	15	—	—	6	—
Aircraft--nonpowered	—	4	—	—	3	4	—	—	—	—	—
Highway vehicle, motorized	617	758	781	754	778	757	843	865	803	889	771
Automobile	177	202	188	181	180	200	193	182	179	162	156
Bus	8	8	5	3	8	6	13	13	7	11	7
Motorcycle, moped	—	3	—	—	—	—	—	—	—	4	—
Truck	334	423	472	442	474	448	530	585	532	622	523
Delivery truck	8	9	9	7	9	13	13	8	14	12	9
Dump truck	22	28	33	24	35	33	44	41	37	27	28
Pickup truck	43	63	84	72	90	69	83	99	98	110	93
Semitrailer, tractor trailer, trailer truck	151	206	222	208	228	234	270	335	275	324	292
Van--passenger or light delivery	31	20	28	28	27	31	32	34	35	30	39
Highway vehicle, nonmotorized	—	—	3	—	3	—	—	—	—	—	—
Offroad vehicle, nonindustrial	4	—	—	—	—	—	—	3	5	5	—
All terrain vehicle (ATV)	—	—	—	—	—	—	—	—	—	3	—
Plant and industrial powered vehicles, tractors	64	61	61	48	58	57	64	57	71	45	71
Forklift	28	28	43	24	39	37	39	46	56	32	43
Order picker high lift truck	—	—	—	—	3	—	—	—	—	3	—
Pallet lift truck--motorized	—	—	—	—	—	3	—	—	3	—	—
Platform lift truck--high or low lift	—	—	3	—	—	—	5	6	4	—	3
Reach rider lift truck	—	—	—	—	—	—	—	3	—	—	—
Powered industrial carrier, except forklift	3	4	—	—	—	3	—	—	3	—	—
Tractor	32	28	16	22	18	17	25	10	11	11	25
Rail vehicle	60	79	84	77	67	86	61	60	65	66	54
Train	59	75	80	72	62	81	55	55	60	57	51
Water vehicle	26	23	25	8	15	16	20	12	9	23	11
Barge	7	6	4	4	4	5	6	6	—	4	—
Canoe, kayak, rowboat, raft	—	—	3	—	—	—	—	—	—	—	—
Motorboat	—	—	3	—	—	—	—	—	3	—	—
Sailboat, sailing ship	3	—	—	—	—	—	—	—	—	—	—
Ships--other than sail powered	5	9	9	—	—	5	6	—	—	5	5
Tugboat, commercial fishing boat	5	5	—	—	—	4	—	—	—	6	—
Structures and surfaces	559	518	698	638	667	801	815	893	938	895	801

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Floors, walkways, ground surfaces	187	144	245	153	150	227	224	275	313	273	239
Floors	19	20	17	24	18	35	25	38	39	40	25
Ground	102	68	159	53	60	111	119	109	157	134	116
Sidewalks, paths, outdoor walkways	—	—	—	—	—	—	—	3	—	—	—
Street, road	15	18	12	14	14	7	10	18	24	22	16
Surfaces below ground level, n.e.c.	14	14	22	27	23	38	33	44	41	30	27
Ditches, channels, trenches, excavations	13	14	16	24	21	35	27	35	31	27	24
Parking lots	3	—	—	—	—	—	3	7	3	6	7
Other floors, walkways, ground surfaces	20	14	22	24	23	19	18	32	26	18	23
Piers, wharfs	3	—	3	—	—	—	3	6	3	—	5
Ramps, runways, loading docks	17	9	18	14	20	17	10	23	18	13	12
Floors, walkways, ground surfaces, n.e.c.	—	—	—	7	3	—	4	3	5	5	6
Other structural elements	118	138	148	169	183	203	226	220	211	233	205
Doors	4	—	—	6	—	—	3	5	—	6	6
Fences, fence panels	3	6	10	9	6	11	15	9	6	6	10
Gates	—	4	4	—	4	3	3	3	—	3	3
Roof	72	75	81	98	112	131	122	125	129	128	107
Walls	12	17	20	16	18	15	23	26	26	22	31
Windows	—	3	—	6	—	—	4	5	—	4	—
Structures	241	227	296	306	324	358	360	383	402	386	346
Bridges, dams, locks	33	43	44	51	44	33	35	39	49	38	40
Buildings--office, plant, residential	31	20	24	22	38	29	22	32	44	36	30
Mines, caves, tunnels	19	13	11	11	7	10	15	10	15	32	5
Scaffolds, staging	57	53	71	70	84	79	94	95	86	90	82
Towers, poles	44	48	59	68	61	85	69	71	100	72	74
Other structures	54	47	81	82	84	115	114	130	101	113	108
Guardrails, road dividers	32	35	61	66	70	88	79	91	71	89	87
Wells	—	—	3	—	—	—	—	—	—	—	—
Machinery	208	185	204	189	226	241	231	239	246	230	229
Agricultural and garden machinery	18	9	14	11	17	21	17	8	16	16	16
Harvesting and threshing machinery	5	—	—	—	—	8	5	4	4	7	4
Balers	—	—	—	—	—	3	—	—	—	—	—
Combines	3	—	—	—	—	—	—	—	—	5	—
Mowing machinery	—	3	6	—	7	6	5	—	5	4	7
Mowers, tractor	—	—	3	—	6	5	—	—	4	—	3
Plowing, planting, and fertilizing machinery	6	—	—	3	5	—	—	—	6	—	—
Other agricultural and garden machinery	5	3	3	6	3	6	4	—	—	—	3
Construction, logging, and mining machinery	47	39	34	38	51	42	50	52	56	51	39
Excavating machinery	15	16	11	9	16	13	13	18	22	15	15
Backhoes	9	8	—	4	5	5	7	7	8	6	6

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Bulldozers	5	8	7	3	8	3	4	5	9	5	6
Loaders	10	7	4	6	5	10	9	10	12	13	10
Bucket loaders	3	-	-	-	-	-	-	-	4	-	-
Front end loaders	6	4	4	4	-	3	3	7	3	7	7
Logging and wood processing machinery--specialized	11	8	8	11	9	8	13	7	10	6	5
Chippers	-	-	3	-	3	-	4	-	-	-	-
Log loaders, including heel boom	-	-	3	4	-	3	3	-	-	-	-
Forwarder/yarder, skidder	-	-	-	-	-	-	4	3	-	-	-
Skidder--cable and grapple	4	-	-	4	-	-	-	-	3	-	-
Mining and drilling machinery	3	3	4	9	11	3	5	8	5	9	3
Drilling machines, drilling augers	-	-	-	3	3	-	3	5	-	5	3
Road grading and surfacing machinery	6	-	3	-	7	3	5	5	4	4	4
Graders, levellers, planers, scrapers	3	-	-	-	-	-	-	-	-	-	3
Heating, cooling, and cleaning machinery and appliances	11	15	15	12	10	13	11	11	9	21	11
Cooling and humidifying machinery and appliances	5	4	4	4	4	5	4	3	5	7	3
Heating and cooking machinery and appliances	6	9	9	7	6	5	5	5	4	10	6
Washers, dryers, and cleaning machinery and appliances	-	-	-	-	-	3	-	3	-	3	-
Material handling (cranes, conveyers, jacks)	110	95	109	102	124	134	117	134	127	115	127
Conveyors--gravity	-	7	-	4	3	4	4	-	5	-	-
Conveyors--powered	11	-	8	10	8	7	8	8	8	6	8
Cranes	46	31	39	28	41	47	37	32	41	26	47
Cranes--mobile, truck, rail mounted	8	6	6	6	10	12	3	7	7	-	7
Cranes--overhead	7	5	6	6	7	6	6	5	7	10	10
Cranes--portal, tower, pillar	-	-	-	-	-	-	3	-	3	-	3
Overhead hoists	7	4	9	6	3	10	7	12	4	9	12
Overhead hoists--manual	-	-	-	-	-	-	-	3	-	-	4
Overhead hoists, n.e.c.	3	-	-	-	-	-	-	-	-	-	-
Derricks	-	6	3	-	-	-	-	-	-	-	3
Elevators	26	24	23	31	24	33	25	43	39	43	30
Bucket or basket hoist--truck mounted	12	13	7	12	5	17	12	26	16	26	16
Elevators--electric	3	-	-	-	-	-	-	-	-	-	-
Elevators--hydraulic	-	-	-	-	-	3	-	-	-	-	-
Manlifts	3	5	7	9	12	8	4	12	11	12	11
Jacks	14	18	23	19	39	28	31	37	26	28	23
Metal, woodworking, and special material machinery	14	13	16	14	10	20	23	15	25	14	16
Bending, rolling, shaping machinery	-	-	-	-	-	-	-	-	3	-	-
Boring, drilling, planing, milling machinery	-	-	-	-	-	-	-	-	4	-	-
Extruding, injecting, forming, molding machinery	-	5	5	5	-	-	6	4	4	-	4

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Forging machinery	-	5	5	3	-	-	4	-	3	-	3
Grinding, polishing machinery	-	-	-	-	-	-	-	-	-	3	-
Lathes	-	-	3	-	-	-	3	-	3	-	-
Presses, except printing	-	-	-	-	-	3	4	-	4	3	-
Punch presses	-	-	-	-	-	-	-	-	3	-	-
Sawing machinery, stationary	3	-	3	-	-	7	3	-	3	3	-
Other metal, woodworking, and special material machinery	3	-	-	3	-	3	-	-	-	-	4
Spot welding machinery	-	-	-	3	-	-	-	-	-	-	3
Special process machinery	3	6	8	8	5	-	7	8	6	5	7
Miscellaneous machinery	3	7	7	-	6	8	6	7	5	6	11
Parts and materials	210	159	206	202	210	239	252	218	222	273	260
Building materials--solid elements	41	32	37	42	56	48	48	51	49	57	51
Bricks, blocks, structural stone	7	4	4	3	9	5	6	6	-	9	7
Pipes, ducts, tubing	6	5	9	18	17	15	11	7	12	10	14
Structural metal materials	17	10	17	13	23	23	21	26	25	27	23
Bars, rods, reinforcing bar (rebar)	-	-	-	-	-	-	-	3	-	-	-
Plates, metal panels	3	-	-	-	-	-	3	-	-	-	-
Wood, lumber	7	7	4	6	4	-	7	9	9	9	6
Other building materials--solid elements	-	3	-	-	3	-	-	3	-	-	-
Fasteners, connectors, ropes, ties	16	18	14	14	20	19	11	13	17	25	15
Ropes, ties	12	14	11	11	15	16	8	11	14	21	12
Chains, n.e.c.	3	3	4	3	-	7	-	-	4	7	4
Rope, twine, string	3	-	-	4	3	-	-	-	-	5	3
Wire--nonelectrical	-	5	-	-	5	-	-	3	-	-	4
Valves, nozzles	-	-	3	-	-	-	-	-	-	-	-
Hoisting accessories	4	6	3	3	3	4	3	-	3	7	-
Slings	-	-	-	-	-	-	-	-	-	5	-
Hoisting accessories, n.e.c.	4	3	3	-	-	-	-	-	-	-	-
Machine, tool, and electrical parts	119	76	119	129	94	143	154	123	114	136	161
Electric parts	108	69	115	121	82	139	147	117	108	131	147
Electrical wiring	11	4	17	18	8	17	22	18	13	21	26
Generators	-	-	-	-	-	3	-	3	3	-	-
Power lines, transformers, convertors	86	58	85	95	65	106	115	83	85	97	111
Switchboards, switches, fuses	-	-	3	-	-	7	-	6	4	3	3
Metal materials--nonstructural	-	-	-	-	-	-	-	-	3	-	3
Tars, sealants, caulking, insulating material	3	-	4	-	5	-	-	-	-	-	-
Vehicle and mobile equipment parts	25	23	27	12	29	20	35	23	33	41	28
Tires, inner tubes, wheels	13	7	9	5	13	4	13	3	6	13	8
Wheels, tire rims	-	-	-	-	6	-	-	-	-	4	-

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Trailers	8	11	17	6	12	15	19	19	23	26	16
Persons, plants, animals, and minerals	1,305	1,301	1,347	1,296	1,160	1,058	959	919	869	874	854
Animals and animal products	15	12	26	41	27	15	28	27	21	23	42
Birds and fowl	—	—	—	24	—	—	—	—	—	—	—
Mammals, except humans	12	10	23	14	25	13	23	23	18	21	33
Cattle	7	3	6	—	6	5	4	8	6	4	8
Dogs	—	—	4	—	—	—	—	—	—	—	—
Horses	—	4	7	8	14	4	14	10	7	14	15
Mammals, n.e.c.	—	3	6	4	—	—	4	3	4	—	8
Food products--fresh or processed	—	—	3	3	4	—	9	4	—	—	4
Nonmetallic minerals, except fuel	19	13	21	20	14	21	17	21	13	24	24
Boulders	—	5	—	—	—	—	—	—	—	—	5
Dirt, earth	12	—	8	8	5	10	7	8	6	8	8
Rocks, crushed stone	—	5	7	8	7	7	8	6	4	11	9
Sand, gravel	—	—	3	—	—	4	—	3	—	3	—
Person--other than injured or ill worker	993	1,046	1,047	1,000	899	815	687	635	649	625	585
Co-worker, former co-worker or injured worker	49	70	60	94	78	61	67	68	73	59	64
Health care patient or resident of health care facility ...	3	—	—	—	3	—	8	4	—	5	4
Relative of injured worker	22	22	30	29	26	24	19	29	32	33	25
Robber	—	—	—	—	—	83	255	244	281	251	237
Plants, trees, vegetation--not processed	133	112	144	141	154	164	175	183	175	191	188
Shrubs, grasses	—	—	—	—	—	—	—	—	—	—	4
Trees, logs	122	106	140	137	148	159	167	176	172	189	182
Chemicals and chemical products	83	77	87	83	87	77	87	85	81	64	55
Aromatics and hydrocarbon derivatives, except halogenated	9	—	7	3	3	5	—	6	3	4	—
Metallic particulates, trace elements, dusts, powders, fumes	—	—	—	4	—	—	—	5	—	—	—
Chemical products--general	16	25	19	20	13	17	22	23	18	11	9
Cleaning and polishing agents, disinfectants, n.e.c.	—	3	—	—	—	—	—	—	—	—	—
Drugs, alcohol, medicines	9	3	—	—	3	—	3	—	—	4	—
Explosives, blasting agents, n.e.c.	4	7	12	6	8	9	12	9	7	3	3
Pyrotechnics, fireworks	—	5	—	—	3	5	7	7	—	3	—
Paint, lacquer, shellac, varnish, n.e.c.	—	—	3	—	—	3	—	—	4	—	—
Solvents, degreasers, n.e.c.	—	10	—	5	—	—	—	9	5	—	5
Coal, natural gas, petroleum fuels and products	29	32	43	31	40	35	54	37	47	28	25
Natural gas	4	—	7	6	6	13	17	9	5	—	—
Petroleum, crude oil	—	5	3	—	—	—	—	—	—	5	—
Petroleum fuels, distillates, products, unspecified	19	22	29	22	29	21	31	22	40	17	19

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Gasoline, diesel fuel, jet fuel	8	15	23	11	17	12	19	12	27	11	10
Lubricating greases, heating oil	-	-	-	3	-	-	-	-	-	-	-
Propane	-	3	4	4	6	5	6	-	8	3	3
Other chemicals	20	13	15	21	24	8	3	7	7	13	15
Oxygen and oxygen compounds, n.e.c.	-	6	3	5	-	5	-	5	3	6	5
Carbon monoxide	-	5	-	-	-	3	-	-	-	-	-
Sewer gas, mine gas, methane	11	-	-	-	5	-	-	-	-	-	-
Multiple chemicals or chemical mixtures, n.e.c.	4	-	-	5	-	-	-	-	-	-	-
Tools, instruments, and equipment	161	123	156	162	189	222	238	208	231	240	223
Handtools--nonpowered	11	7	7	12	6	5	5	6	8	7	6
Cutting handtools	-	-	3	-	-	-	-	-	-	-	-
Striking and nailing handtools	-	-	-	3	-	-	-	3	-	-	-
Handtools--powered	28	17	27	28	50	45	26	26	32	24	27
Boring handtools	-	-	3	-	-	-	-	-	-	-	-
Cutting handtools	16	7	6	10	31	24	10	11	11	11	13
Chainsaws	13	5	4	6	10	12	9	8	7	8	10
Saws--powered, except chainsaws	-	-	-	-	-	5	-	-	3	-	-
Surfacing handtools	4	-	-	-	-	-	-	-	3	-	-
Welding and heating handtools	6	8	13	16	13	16	16	12	15	12	5
Other handtools--powered	-	-	-	-	-	-	-	-	-	-	5
Handtools--power not determined	-	-	-	-	-	3	-	-	-	-	-
Ladders	70	73	83	95	98	112	111	101	115	128	130
Ladders--fixed	3	4	4	6	-	6	5	4	6	10	6
Ladders--movable	34	28	41	53	39	56	52	62	66	75	70
Extension ladders	12	7	6	17	10	18	20	20	21	27	25
Step ladders	7	6	10	6	3	11	9	11	13	17	11
Straight ladders	-	-	-	3	-	-	-	-	-	4	8
Medical and surgical instruments	5	4	4	3	5	6	-	5	3	9	-
Needles and syringes	5	4	4	3	5	6	-	5	3	9	-
Protective equipment, except clothing	4	9	8	7	4	4	-	6	4	4	8
Lifelines, lanyards, safety belts or harnesses	4	5	6	4	-	4	-	4	3	-	4
Recreation and athletic equipment	3	-	3	-	5	7	-	-	4	5	6
Other tools	37	10	21	15	19	40	92	63	64	61	45
Firearms	35	10	19	14	19	39	90	62	63	60	44
Pistol, handgun, revolver	14	3	12	4	7	13	55	32	39	30	27
Rifle	3	-	-	-	-	5	3	-	3	7	5
Shotgun	6	3	-	-	-	8	9	11	7	9	6
Containers	60	53	52	47	69	76	67	74	67	83	82
Containers-nonpressurized	38	33	34	25	48	37	49	50	40	52	51

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Boxes, crates, cartons	-	-	3	-	4	-	6	5	-	4	3
Buckets, baskets, pails	-	-	-	-	-	-	3	-	-	-	-
Tanks, bins, vats	33	28	26	19	40	32	38	42	32	41	44
Containers-pressurized	15	10	7	18	8	15	7	17	15	15	18
Boilers	-	5	-	6	-	-	-	8	-	-	-
Hoses	-	-	-	4	-	-	3	3	6	3	4
Oxygen tanks	-	-	-	-	-	5	-	-	-	-	-
Pressure lines, except hoses	4	-	-	5	3	-	-	3	4	6	9
Containers-variable restraint	6	10	9	4	8	14	8	5	7	15	9
Bundles, bales	5	10	7	3	6	10	5	3	6	13	8
Reels, rolls	-	-	-	-	-	3	-	-	-	-	-
Skids, pallets	-	-	-	-	4	8	-	-	4	-	3
Other	281	256	274	278	264	280	275	284	251	283	238
Furniture and fixtures	14	15	14	11	10	10	12	15	21	24	15
Cases, cabinets, racks, and shelves	4	9	4	-	5	4	5	6	13	11	4
Garment racks, other racks	-	-	-	-	-	-	-	3	4	-	-
Floor, wall, window coverings	-	-	-	-	-	-	-	-	-	-	3
Furniture	4	5	4	3	-	-	6	5	6	7	7
Chairs	-	-	-	-	-	-	3	-	-	-	4
Other fixtures	4	-	5	6	3	3	-	4	-	4	-
Ammunition	3	-	-	-	-	-	-	-	-	-	-
Atmospheric and environmental conditions	86	77	119	114	93	88	100	118	74	139	78
Avalanche, mud slide	3	-	-	-	-	-	-	-	-	-	-
Fire, flame, smoke	33	23	22	48	25	22	25	17	17	27	22
Fire, flame	20	16	14	31	10	16	14	13	13	18	16
Smoke, fire gases	6	4	6	14	15	4	8	3	-	7	5
Flood	-	5	-	4	-	-	3	-	-	-	-
Temperature extreme	-	5	-	-	3	4	-	-	-	-	-
Cold--environmental	-	3	-	-	-	-	-	-	-	-	-
Weather and atmospheric conditions	45	40	92	53	63	62	68	95	54	107	52
Fog	5	-	9	-	4	6	5	10	6	9	-
High winds, gusts	6	11	7	16	20	19	14	21	9	18	9
Ice, sleet, snow	19	13	61	18	30	23	29	39	30	49	20
Lightning	3	-	-	-	-	-	-	-	-	-	-
Rain	7	4	3	-	6	3	6	3	4	6	6
Tornado, hurricane, typhoon	-	6	-	-	-	-	3	5	-	-	-
Steam, vapors, liquids	140	131	108	122	118	131	126	111	113	93	111
Liquids	140	131	106	121	117	130	126	111	113	92	110
Water	139	131	105	117	117	130	125	110	112	90	109
Scrap, waste, debris	4	3	3	3	-	4	-	-	5	3	5

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Primary and secondary source - continued											
Secondary source⁷ - continued											
Not reported	2,523	2,699	2,607	2,469	2,351	2,295	2,103	2,128	2,033	1,925	1,866
Nature											
Traumatic injuries to bones, nerves, spinal cord	217	205	203	169	167	132	145	164	162	183	144
Fractures	44	32	42	35	39	30	29	29	37	33	37
Traumatic injuries to spinal cord	25	17	19	11	12	14	7	16	19	25	22
Traumatic injuries to nerves, except spinal cord	—	4	—	—	—	—	—	—	—	—	—
Multiple traumatic injuries to bones, nerves, spinal cord	130	143	134	117	111	83	100	106	96	108	74
Traumatic injuries to bones, nerves, spinal cord, n.e.c. ...	3	4	—	—	—	—	3	—	5	7	4
Traumatic injuries to muscles, tendons, ligaments, joints	6	8	9	4	9	5	10	15	9	16	8
Open wounds	1,141	1,188	1,196	1,024	1,015	981	845	759	777	745	688
Amputations	27	18	27	22	15	26	30	18	18	24	12
Avulsions	—	3	3	—	4	—	—	—	—	—	—
Cuts, lacerations	35	42	28	25	25	18	12	19	22	18	26
Gunshot wounds	989	1,029	1,073	898	876	843	718	641	653	628	575
Punctures, except bites	70	63	53	72	90	84	68	76	78	66	69
Multiple open wounds	12	19	6	—	—	5	7	—	3	6	—
Open wounds, n.e.c.	—	9	—	—	—	—	—	—	—	—	—
Surface wounds and bruises	—	3	5	3	4	—	—	—	4	7	—
Burns	133	159	181	180	155	168	175	184	155	153	132
Chemical burns	7	7	4	5	9	7	4	11	5	7	—
Electrical burns	7	—	—	—	—	—	—	4	—	6	3
Heat burns, scalds	94	135	164	165	137	155	157	163	145	135	122
Multiple burns	13	5	—	7	—	—	—	—	—	—	—
Burns, n.e.c.	5	3	5	—	—	—	3	—	—	4	—
Intracranial injuries	1,035	1,083	1,185	1,113	1,207	1,193	1,115	1,149	1,131	1,093	1,006
Cerebral hemorrhages	23	29	34	19	30	27	26	27	26	19	24
Concussions	—	—	—	—	5	—	6	3	—	14	—
Multiple intracranial injuries	602	553	593	579	665	677	613	704	741	778	682
Intracranial injuries, n.e.c.	23	22	23	13	12	6	13	6	6	14	9

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Nature - continued											
Effects of environmental conditions	18	34	35	51	27	29	43	41	26	29	47
Effects of reduce temperature	6	11	8	14	7	5	6	4	4	5	9
Hypothermia	6	9	6	12	7	5	5	4	4	5	9
Effects of heat and light	12	22	27	36	19	22	37	37	21	24	38
Heat stroke	9	15	22	31	14	18	30	32	17	21	33
Effects of heat and light, n.e.c.	—	6	5	5	3	3	6	4	3	3	4
Multiple traumatic injuries and disorders	1,550	1,511	1,623	1,688	1,673	1,808	1,862	1,880	1,947	2,096	1,933
Fractures and burns	4	—	—	—	—	—	—	—	—	—	—
Fractures and other injuries	28	4	21	4	3	4	6	—	4	7	3
Burns and other injuries	27	26	20	27	27	33	62	47	66	57	69
Intracranial injuries and injuries to internal organs	379	363	396	366	494	618	671	705	543	609	617
Other combinations of traumatic injuries	167	231	162	209	163	95	111	153	168	139	221
Other traumatic injuries and disorders	1,903	1,883	1,889	1,822	1,756	1,835	1,807	1,805	1,665	1,572	1,554
Asphyxiations/strangulations, suffocations	355	324	289	273	284	259	266	296	255	284	283
Drownings	222	239	207	190	197	207	202	196	185	155	168
Electrocutions, electric shocks	333	321	349	350	283	300	334	280	259	280	288
Internal injuries to organs and blood vessels of the trunk	797	808	836	814	793	872	828	852	807	682	649
Other poisonings and toxic effects	147	163	195	167	183	178	168	169	153	155	153
Animal or insect bites, venomous	3	6	9	6	5	11	10	5	7	3	8
Other poisonings and toxic effects, n.e.c.	142	154	177	156	175	163	156	159	143	147	136
Traumatic complications	11	—	—	9	—	—	—	3	—	—	—
Traumatic shock	—	—	—	7	—	—	—	—	—	—	—
Embolism, air or fat	3	—	—	—	—	—	—	—	—	—	—
Nonspecified injuries and disorders	13	12	—	6	5	7	4	6	4	5	5
Crushing injuries	7	8	—	3	3	7	—	—	3	4	3
Multiple nonspecified injuries	3	3	—	—	—	—	—	—	—	—	—
Other traumatic injuries, n.e.c.	15	6	6	9	8	4	—	—	—	—	—
Part of body											
Head	1,478	1,544	1,662	1,514	1,585	1,576	1,443	1,481	1,461	1,405	1,266
Cranial region, including skull	1,288	1,256	1,360	1,284	1,384	1,393	1,221	1,257	1,207	1,179	1,032
Brain	1,176	1,235	1,336	1,261	1,353	1,386	1,206	1,226	1,182	1,154	1,014
Skull	8	—	—	4	4	3	5	12	6	5	3
Multiple cranial region locations	24	8	11	12	14	3	4	6	5	10	5
Face	6	5	—	—	4	3	23	24	22	23	23
Multiple head locations	69	80	71	62	48	8	11	20	10	—	4

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Part of body - continued											
Neck, including throat	156	125	132	140	123	116	125	108	123	121	102
Neck, except internal location of diseases or disorders ...	149	123	131	140	122	116	124	108	123	121	102
Internal neck locations of diseases or disorders	7	—	—	—	—	—	—	—	—	—	—
Multiple internal neck locations	3	—	—	—	—	—	—	—	—	—	—
Trunk	1,320	1,383	1,355	1,231	1,247	1,253	1,180	1,189	1,154	1,047	965
Chest, including ribs, internal organs	679	641	630	531	626	639	595	575	592	493	447
Back, including spine, spinal cord	88	99	91	73	82	63	65	79	77	74	65
Abdomen	113	125	104	96	97	97	80	69	107	73	64
Pelvic region	40	29	34	34	35	31	34	36	41	38	36
Multiple trunk locations	287	351	331	365	313	324	325	352	247	294	270
Upper extremities	25	17	18	12	12	15	11	15	15	12	16
Lower extremities	48	50	70	52	60	57	58	49	49	61	48
Body systems	1,051	1,086	1,081	1,040	979	972	1,007	985	878	904	938
Multiple body parts	2,047	2,038	2,235	2,221	2,165	2,222	2,214	2,206	2,223	2,363	2,191
Worker activity											
Vehicular and transportation operations	2,312	2,372	2,660	2,448	2,534	2,504	2,528	2,567	2,529	2,503	2,326
Driving, operating	1,556	1,595	1,650	1,627	1,624	1,703	1,675	1,653	1,658	1,594	1,531
Automobile	448	472	452	457	419	389	371	335	330	312	273
Airplane	170	143	157	159	139	157	130	124	163	136	122
Truck	613	707	738	719	743	842	838	872	857	828	843
Industrial or construction vehicle	97	87	84	98	111	107	115	103	134	109	108
Boat	25	27	26	18	28	24	25	27	25	24	16
Train	3	8	7	8	9	7	3	7	5	4	3
Bus	5	8	6	10	6	8	9	19	13	12	9
Bicycle, motorcycle	26	17	29	21	19	24	14	21	27	33	28
Riding in, on	370	408	535	391	463	389	372	451	426	448	358
Automobile	44	48	50	40	33	45	39	43	48	36	28
Airplane	137	108	242	117	176	99	76	101	118	110	71
Truck	68	93	118	115	101	88	113	128	124	143	121
Industrial/construction vehicle	17	11	20	15	11	17	10	13	28	20	20
Boat	42	81	55	54	92	92	88	78	62	67	50
Train	4	9	12	12	10	6	4	9	5	3	8
Bus	3	—	—	—	—	—	—	—	—	8	4
Horse	4	8	12	9	11	9	12	17	15	15	9

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Worker activity - continued											
Boarding, alighting	33	38	67	48	48	46	33	50	51	51	39
Resurfacing, blacktopping, etc.	7	13	5	3	10	8	10	10	6	15	3
Directing, flagging traffic	29	36	33	34	21	32	45	48	33	38	36
Walking in or near roadway, etc., n.e.c.	82	77	88	89	104	94	116	118	131	141	130
Vehicular and transportation operations, n.e.c.	206	185	272	239	237	220	253	222	212	203	215
Driving, operating farm vehicle	150	145	209	184	196	170	196	181	170	168	176
Riding in, on farm vehicle	10	11	11	24	11	14	14	16	7	9	11
Boarding, alighting farm vehicle	5	4	10	4	5	9	6	5	11	7	9
Using or operating tools, machinery	585	698	637	572	594	653	542	554	529	498	488
Operating heavy equipment	220	307	252	213	198	226	198	171	143	172	138
Hydraulic equipment	4	7	4	10	14	13	10	15	10	16	15
Crane	31	12	20	20	17	24	26	18	13	13	12
Farm machinery	99	170	101	68	55	76	61	37	31	38	40
Mine machinery	17	26	10	18	27	16	21	18	13	34	12
Earth moving machinery	19	24	44	38	29	29	24	42	31	19	20
Materials handling machinery	31	24	30	22	25	24	25	15	26	24	17
Operating machinery	84	82	95	74	69	94	61	86	81	68	61
Using power tools	46	35	41	44	37	47	29	44	30	37	56
Using nonpowered hand tools	15	25	17	20	23	23	29	37	23	16	25
Operating or reading gauges, valves, switches	16	21	23	21	19	23	21	24	20	18	23
Welding	33	36	39	37	45	51	59	54	49	35	43
Logging, trimming, pruning	148	164	147	133	187	178	134	129	166	142	123
Using or operating tools, machinery, gauges, n.e.c.	8	17	16	14	6	7	5	3	10	5	14
Constructing, repairing, cleaning	978	1,075	1,177	1,182	1,145	1,215	1,225	1,255	1,230	1,207	1,181
Construction, assembling, dismantling	353	365	477	468	450	451	505	510	516	510	493
Constructing, assembling	80	95	116	141	113	100	120	152	149	132	133
Installing	104	108	171	132	150	165	193	200	201	197	171
Dismantling, removing	70	71	81	72	70	86	91	66	62	77	70
Planting (landscape work)	-	4	-	-	-	-	3	-	-	3	11
Repair, maintenance	347	422	405	426	411	476	439	429	401	435	428
Repairing	173	214	212	208	221	241	221	231	222	224	204
Maintenance	42	71	55	54	59	88	80	72	68	71	88
Adjusting	12	12	8	16	8	14	19	9	16	21	12
Unjamming	20	16	23	24	23	29	30	31	25	17	26
Inspecting or checking	57	67	71	57	58	54	66	92	74	68	55
Cleaning, washing	101	86	109	88	78	99	91	105	117	84	100
Clearing, spraying	22	20	13	17	13	15	17	12	26	23	29
Painting, etc.	30	47	44	46	46	52	43	47	47	45	39
Constructing, repairing, cleaning, n.e.c.	16	12	18	13	13	14	8	12	14	14	11
Protective service activities	156	176	217	207	171	184	164	160	150	180	163

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Worker activity - continued											
Fighting a fire	20	19	47	22	22	27	21	35	23	23	25
Tending to a hazardous materials incident	—	—	3	5	4	—	—	—	—	—	—
Apprehending, breaking up fight, chasing	26	34	29	43	33	45	35	37	31	41	39
Rescuing or evacuating	6	7	9	18	15	17	8	11	13	15	18
Materials handling operations	235	255	247	264	249	283	280	304	276	284	257
Lifting materials	13	13	12	8	7	12	10	7	11	8	15
Carrying materials	16	16	17	11	6	12	22	11	15	15	17
Holding materials	9	8	3	7	5	8	12	17	6	6	5
Loading, unloading (packing, unpacking) materials	92	108	116	129	101	108	99	122	101	123	96
Working with chemicals (except cleaning)	20	14	24	18	21	24	22	34	15	13	8
Retrieving objects	8	17	13	9	13	15	18	14	19	13	16
Materials handling, n.e.c.	53	62	43	57	69	67	70	59	76	82	70
Physical activity⁸, n.e.c.	308	364	364	297	346	407	430	408	394	406	379
All other activities	1,643	1,391	1,330	1,305	1,163	992	886	806	812	837	740
Tending a retail establishment	399	489	539	415	454	417	323	298	325	301	270
Office work	49	51	73	76	76	89	80	73	102	66	83
Health care and social services activities	14	26	29	19	27	17	30	27	17	35	33
Animal care and tending	28	33	28	27	38	38	32	43	28	37	36
Legal service activities	9	5	6	7	5	8	4	—	—	4	4
Teaching	6	7	4	—	9	3	7	7	9	11	13
Activity, n.e.c.	1,118	772	636	751	534	405	399	349	320	376	297
Location											
Street or highway	1,692	1,752	1,916	1,827	1,821	1,890	1,899	1,966	1,878	1,886	1,826
Street and highway, unspecified	—	80	367	207	159	132	85	76	52	116	82
Interstate, freeway, or expressway	—	10	411	388	384	392	444	495	443	468	471
Other highway (State or U.S.)	—	10	495	560	544	616	641	610	649	585	521
Local road or street	—	7	603	562	605	574	556	649	615	573	610
Road construction ⁹	—	—	19	31	46	58	76	71	63	73	78
Industrial place or premise	1,252	1,384	1,507	1,446	1,482	1,521	1,412	1,464	1,409	1,342	1,187
Industrial place and premises, unspecified	—	232	211	189	87	85	64	43	71	64	50
Dockyard	—	39	47	40	38	46	44	41	36	25	27
Loading platform, factory or store	—	74	67	70	39	45	34	51	29	29	28
Railway yard, includes railway line, tracks	—	85	69	75	66	80	44	66	53	60	49
Warehouse	—	76	86	53	77	77	66	84	83	66	50
Construction site	—	400	481	512	474	483	499	491	489	500	452
Factory, plant	—	—	—	—	288	360	335	377	357	338	279

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Location - continued											
Industrial place or premises, nec	—	384	461	439	323	253	237	225	208	192	190
Other specified place¹⁰	888	1,027	972	821	896	836	816	799	847	781	708
Parking lot, garage (employer's premises)	—	153	107	113	134	126	141	134	159	150	135
Parking lot, garage (except employer's premises)	—	62	68	65	69	67	68	79	65	85	64
River	—	69	63	53	73	71	82	71	75	62	87
Sea	—	121	79	84	185	120	107	127	87	90	58
Public building¹¹	853	975	1,009	1,002	852	821	720	690	724	717	684
Bank	—	—	14	9	11	21	13	11	11	7	13
Hotel, motel	—	18	37	35	32	37	33	32	39	34	25
Convenience store	—	246	246	180	137	144	99	94	117	94	73
Office building	—	126	111	226	105	106	95	94	99	97	113
Restaurant, cafe	—	128	129	106	116	107	85	87	94	83	86
Shop, commercial, store, (except grocery)	—	228	273	253	248	218	195	175	191	209	198
School (State, public, private)	—	42	38	36	48	38	31	41	39	44	36
Farm	540	648	665	629	592	631	645	574	512	526	520
Farm, unspecified	—	252	187	205	185	163	182	145	116	157	141
Farm buildings	—	66	70	58	46	44	45	50	53	44	40
Farm land under cultivation, fields, meadows	—	207	293	258	236	278	275	245	269	220	249
Farm pond, creek, canal, irrigation ditch	—	26	22	21	23	20	21	22	13	11	16
Manure pit	—	—	3	—	5	—	3	5	4	—	—
Silos, grain bin	—	—	—	23	30	37	40	37	24	34	27
Farm, nec	—	95	90	62	67	87	79	70	33	58	44
Private residence¹²	235	236	253	257	302	302	344	340	353	434	425
Apartment	—	54	53	45	33	41	46	49	28	70	57
Farm house	—	10	3	6	3	9	7	8	9	7	5
Residential construction ¹³	—	—	—	—	—	—	52	123	145	146	152
Mine, quarry	84	104	93	91	71	82	70	84	73	74	60
Gravel, sand pit	—	13	16	12	12	23	13	14	14	3	12
Mine tunnel under construction	—	—	4	—	—	—	—	5	—	—	—
Mine	—	48	32	48	42	36	35	43	36	51	30
Place for recreation and sport	73	71	73	52	79	82	86	85	81	104	83
Amusement park	—	6	6	5	4	8	7	6	3	11	9
Recreation, sports center on employer's premises	—	14	11	12	9	9	30	24	14	10	14
Recreational and sports areas	—	40	52	32	59	56	45	55	52	73	55
Residential institution¹⁴	41	39	28	24	29	23	19	21	19	16	18
Prison, jail, detention home	—	15	10	5	7	8	9	7	8	—	6

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Location - continued											
Unspecified place	559	95	116	126	78	50	44	31	24	35	23
Occupation¹⁵											
Managerial and professional specialty	708	692	774	708	723	668	642	605	644	640	514
Executive, administrative, and managerial	443	433	491	469	444	417	410	375	397	381	319
Chief executives and general administrators, public administration	3	—	5	3	—	—	3	3	—	—	—
Administrators and officials, public administration	22	16	11	23	9	8	10	3	3	6	6
Administrators, protective services	3	—	—	4	7	6	7	—	—	4	—
Financial managers	8	5	14	14	10	8	8	6	6	8	8
Personnel and labor relations managers	—	—	—	—	3	—	—	—	—	—	—
Purchasing managers	—	3	—	—	—	—	—	—	—	—	—
Managers, marketing, advertising, and public relations	18	11	30	16	9	11	7	9	10	10	17
Administrators, education and related fields	11	6	6	6	5	8	3	4	5	9	5
Managers, medicine and health	—	—	3	5	5	8	3	3	6	3	3
Postmasters and mail superintendents	3	—	—	—	—	—	—	—	—	—	—
Managers, food serving and lodging establishments	79	86	75	58	75	89	56	73	70	63	46
Managers, properties and real estate	22	20	20	20	23	20	16	20	19	17	12
Funeral directors	11	3	—	—	3	—	3	—	—	4	4
Managers, service organizations, n.e.c.	11	15	9	11	10	10	10	8	12	7	4
Managers and administrators, n.e.c.	206	215	255	246	228	207	217	198	226	216	158
Management related occupations	45	46	56	60	52	37	62	45	34	31	48
Accountants and auditors	6	13	13	13	13	7	18	11	11	8	11
Other financial officers	6	3	5	9	—	3	10	8	7	3	4
Management analysts	3	—	6	—	—	—	—	3	—	—	—
Personnel, training, and labor relations specialists ..	3	—	—	—	—	5	—	—	3	—	—
Purchasing agents and buyers, farm products	—	5	3	—	—	—	3	—	—	3	—
Buyers, wholesale and retail trade except farm products	3	3	3	—	—	3	—	—	—	3	3
Purchasing agents and buyers, n.e.c.	—	—	3	5	4	—	—	6	—	—	—
Business and promotion agents	—	—	—	4	4	—	4	—	—	—	—
Construction inspectors	6	5	3	8	8	—	6	—	—	—	8
Inspectors and compliance officers, except construction	9	6	10	10	7	6	10	7	7	7	7
Professional specialty	265	259	283	239	279	251	232	230	247	259	195
Engineers, architects, and surveyors	49	53	70	66	54	45	48	46	44	42	26
Architects	—	—	—	3	—	—	—	—	3	—	—
Engineers	46	45	64	62	52	40	46	41	38	36	19

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Aerospace	3	7	-	-	5	-	-	-	-	-	-
Petroleum	3	3	-	-	-	-	-	-	-	-	-
Chemical	4	-	5	-	-	-	-	-	-	-	-
Civil engineers	6	14	6	18	3	5	9	11	3	7	4
Electrical and electronic	11	8	15	6	12	13	9	7	11	7	7
Industrial	3	-	10	6	4	3	4	4	4	3	3
Mechanical	6	-	3	8	6	6	3	7	7	7	-
Marine and naval architects	-	-	-	-	5	3	3	-	-	-	-
Surveyors and mapping scientists	-	6	4	-	-	-	-	3	-	5	5
Mathematical and computer scientists	7	6	15	5	6	10	9	5	13	5	5
Computer systems analysts and scientists	6	-	11	4	5	8	9	3	10	5	5
Operations and systems researchers and analysts	-	3	4	-	-	-	-	-	3	-	-
Natural scientists	25	14	17	10	19	12	10	12	13	4	9
Chemists, except biochemists	3	4	4	-	-	4	-	-	-	-	-
Geologists and geodesists	7	-	3	3	-	4	-	-	3	-	-
Agricultural and food scientists	-	3	-	-	-	-	-	-	3	-	-
Biological and life scientists	8	3	6	3	6	-	3	5	-	-	3
Forestry and conversation scientists	3	-	-	-	4	-	3	-	4	-	-
Health diagnosing occupations	21	19	15	19	19	12	14	12	18	12	15
Physicians	13	11	10	12	14	9	8	11	14	7	9
Dentists	4	5	4	-	-	-	-	-	-	-	-
Veterinarians	-	3	-	5	-	-	3	-	3	3	-
Health assessment and treating occupations	22	32	28	17	27	29	18	36	25	25	20
Registered nurses	14	21	23	12	15	20	15	20	17	20	17
Teachers, postsecondary	3	8	9	6	11	9	12	10	10	5	10
Teachers, except postsecondary	33	29	17	20	24	24	37	30	28	45	19
Teachers, elementary school	6	6	-	-	5	-	5	-	4	5	-
Teachers, secondary school	3	4	3	6	4	6	8	4	3	6	-
Counselors, educational and vocational	-	-	-	-	3	3	3	3	3	5	-
Librarians, archivists, and curators	-	-	-	-	-	-	-	-	-	-	5
Social, recreation, and religious workers	32	33	33	22	41	28	23	19	35	36	27
Social workers	10	11	11	7	19	13	11	8	16	16	9
Clergy	15	12	16	12	13	7	7	4	10	14	7
Lawyers and judges	14	11	18	17	17	12	17	13	8	4	8
Lawyers	13	11	16	17	16	11	17	13	8	4	8
Writers, artists, entertainers, and athletes	51	48	55	50	54	64	40	43	47	72	47
Actors and directors	5	5	-	-	-	-	-	-	-	-	5
Photographers	9	6	6	9	5	14	6	6	4	6	7
Artists, performers, and related workers	7	7	11	6	5	8	8	7	6	10	3
Public relations specialists	-	5	-	-	3	-	-	-	-	4	-
Athletes	10	15	20	14	23	26	14	19	28	27	23

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Technical, sales, and administrative support	841	849	955	829	774	741	679	616	686	643	597
Technicians and related support occupations	202	166	213	194	165	172	167	158	194	155	155
Health technologists and technicians	19	17	20	15	20	15	21	17	15	17	22
Clinical laboratory technologists and technicians	5	5	3	—	—	4	3	—	—	—	—
Engineering and related technologists and technicians	35	18	27	31	23	33	29	22	32	21	24
Electrical and electronic technicians	19	8	15	13	11	16	14	11	15	11	16
Technicians, except health, engineering, and science	140	124	152	141	112	114	112	113	142	111	103
Airplane pilots and navigators	120	105	133	115	102	100	91	94	130	87	90
Sales occupations	517	563	595	500	512	462	398	362	386	389	349
Supervisors and proprietors, sales occupations	241	250	252	217	231	226	186	144	185	191	162
Sales representatives, finance and business services	46	45	40	33	51	40	31	39	22	23	30
Real estate sales occupations	9	11	7	12	12	11	6	5	6	6	8
Securities and financial services sales occupations	5	6	4	3	7	—	—	10	—	6	—
Sales representatives, commodities except retail	36	35	45	32	35	13	24	28	15	25	21
Sales representatives, mining, manufacturing, and											
wholesale	34	33	44	29	33	13	24	28	14	24	19
Sales workers, retail and personal services	191	228	256	215	195	183	153	145	162	149	133
Sales workers, motor vehicles and boats	12	17	17	11	19	10	20	6	6	10	4
Sales workers, furniture and home furnishings	—	5	—	—	—	—	—	—	—	—	—
Sales workers, parts	3	9	3	—	5	3	—	7	4	4	4
Sales counter clerks	16	25	27	10	14	12	15	12	9	16	10
Cashiers	82	101	111	116	96	84	52	55	68	55	47
Street and door-to-door sales workers	12	7	15	7	4	—	6	14	8	9	11
News vendors	9	14	23	22	10	22	15	15	26	19	21
Administrative support occupations, including clerical	122	120	147	135	97	107	114	96	106	99	93
Supervisors, administrative support											
occupations	4	7	5	7	—	4	6	—	5	4	5
Secretaries, stenographers, and typists	14	19	13	21	10	8	12	7	12	6	5
Secretaries	13	19	12	21	10	7	12	6	12	6	5
Information clerks	10	3	19	13	4	7	13	7	18	11	13
Records processing occupations, except financial	3	—	3	6	—	4	7	—	—	—	—
Financial records processing occupations	6	8	15	7	6	5	5	5	8	7	—
Bookkeepers, accounting and auditing clerks	5	6	11	3	5	5	—	3	5	3	—
Mail and message distributing occupations	24	29	37	25	19	28	25	30	24	25	34
Postal clerks, except mail carriers	3	—	—	—	—	4	3	—	—	—	3
Mail carriers, postal service	9	12	7	11	8	7	12	12	10	9	16
Mail clerks, except postal service	—	4	4	3	—	3	—	—	—	—	3
Messengers	12	12	25	8	9	14	9	17	13	11	12
Material recording, scheduling, and distributing clerks	25	20	28	22	22	27	22	19	21	18	10
Dispatchers	4	5	6	—	3	6	—	3	3	—	—
Traffic, shipping, and receiving											
clerks	8	8	7	6	5	8	10	4	4	11	4

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Stock and inventory clerks	6	4	3	6	6	10	5	8	8	3	3
Adjusters and investigators	8	9	5	9	14	6	4	10	6	11	10
Miscellaneous administrative support	23	21	21	22	17	17	19	12	11	14	11
General office clerks	15	13	8	13	11	7	5	6	4	-	4
Bank tellers	3	-	-	4	-	3	-	-	-	-	4
Data-entry keyers	-	-	-	-	-	-	-	-	-	3	-
Service occupations	540	546	605	541	498	492	441	469	433	515	485
Private household occupations	7	7	12	5	11	4	6	4	4	10	4
Private household cleaners and servants	3	4	6	3	6	-	4	-	3	7	-
Protective service occupations	279	293	332	317	249	283	259	261	257	288	273
Firefighting and fire prevention occupations, including supervisors	34	39	56	39	37	49	45	57	43	50	53
Fire inspection and fire prevention occupations	6	-	-	-	-	-	-	-	-	-	-
Firefighting occupations	27	36	50	35	35	45	43	48	41	47	48
Police and detectives, including supervisors	140	151	149	175	114	156	138	132	142	160	140
Police and detectives, public services	95	102	102	120	77	97	86	79	88	101	80
Sheriffs, bailiffs, and other law enforcement officers	34	29	28	37	29	36	34	39	38	45	46
Correctional institution officers	5	12	7	12	5	16	9	8	8	6	13
Guards, including supervisors	105	103	127	103	98	78	76	72	72	78	80
Crossing guards	-	8	7	5	5	6	-	3	5	10	5
Guards and police, except public service	93	89	113	93	82	68	66	63	57	62	67
Service occupations, except protective and household	254	245	261	219	238	205	176	204	172	217	208
Food preparation and service occupations	85	76	82	74	53	63	50	67	41	57	63
Supervisors, food preparation and service occupations	16	5	8	5	5	4	10	4	3	6	9
Bartenders	14	8	19	15	11	3	6	12	4	12	7
Waiters and waitresses	11	13	16	8	11	10	8	7	7	11	9
Cooks	19	16	18	24	11	26	13	20	11	13	23
Food counter, fountain and related occupations	11	9	8	7	5	9	-	3	4	5	4
Kitchen workers, food preparation	3	8	-	5	4	3	7	5	4	3	-
Waiters', waitresses' assistants	3	3	3	-	-	-	-	4	-	-	-
Miscellaneous food preparation occupations	8	14	9	8	5	7	3	12	7	6	8
Health service occupations	21	17	27	32	29	20	17	17	15	21	20
Dental assistants	-	3	-	-	-	-	-	-	-	-	-
Nursing aides, orderlies, and attendants	16	12	21	25	24	15	15	13	10	15	14
Cleaning and building service occupations, except household	106	108	95	76	78	85	69	81	79	79	93
Supervisors, cleaning and building services workers	8	11	8	-	6	5	4	4	9	4	6
Maids and housemen	10	7	4	4	4	6	5	9	5	6	-
Janitors and cleaners	84	84	80	67	64	73	56	64	60	69	77
Pest control occupations	-	6	3	-	4	-	4	-	5	-	8

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Personal service occupations	42	44	57	37	78	37	40	39	37	60	32
Barbers	—	—	—	5	3	—	4	5	—	9	6
Hairdressers and cosmetologists	7	7	4	7	3	7	—	—	—	7	—
Attendants, amusement and recreation facilities	9	7	18	7	11	6	7	13	9	17	10
Guides	9	11	—	—	3	6	11	5	3	4	3
Public transportation attendants	6	—	8	—	38	3	—	—	5	8	—
Farming, forestry, and fishing	936	966	949	869	891	925	930	904	806	804	841
Farming operators and managers	344	412	379	334	379	387	374	368	320	321	337
Farmers, except horticultural	259	330	261	244	305	296	281	234	251	305	306
Horticultural specialty farmers	6	7	12	17	9	16	11	11	7	4	8
Managers, farms, except horticultural	69	67	102	73	61	72	81	123	59	11	20
Managers, horticultural specialty farms	10	8	4	—	4	3	—	—	3	—	3
Other agricultural and related occupations	344	321	366	359	303	350	365	336	320	327	367
Farm occupations, except managerial	263	217	268	267	194	229	242	212	168	185	198
Supervisors, farm workers	55	25	10	18	22	13	17	8	7	13	10
Farm workers	205	187	256	243	169	200	221	199	159	170	183
Nursery workers	3	3	—	5	3	16	4	4	—	—	4
Related agricultural occupations	81	104	98	92	109	121	123	124	152	142	169
Supervisors, related agricultural occupations	10	11	10	5	13	11	10	8	14	12	15
Groundskeepers and gardeners, except farm	68	87	79	78	91	104	108	106	130	120	146
Animal caretakers, except farm	3	6	7	8	4	4	3	9	5	8	7
Forestry and logging occupations	155	142	137	116	135	128	119	122	113	94	104
Supervisors, forestry, and logging workers	13	11	19	12	10	11	20	12	10	10	14
Forestry workers, except logging	9	7	6	6	6	7	9	8	8	3	18
Timber cutting, including supervisors	146	135	131	110	129	121	110	114	105	91	86
Fishers, hunters, and trappers	93	91	67	60	74	60	72	78	53	62	33
Fishers, including vessel captains and officers	92	91	67	58	74	58	71	78	52	62	33
Precision production, craft, and repair	1,080	1,105	1,096	1,049	1,081	1,094	1,090	1,143	1,105	1,142	1,107
Mechanics and repairers	279	320	298	269	283	326	287	353	322	288	275
Supervisors, mechanics and repairers	18	28	22	25	14	17	12	22	23	15	23
Mechanics and repairers, except supervisors	261	292	276	244	269	309	275	331	299	273	252
Vehicle and mobile equipment mechanics, repairers	113	139	114	117	132	135	136	157	128	119	115
Automobile mechanics and apprentices	39	61	50	49	35	49	48	48	49	37	42
Bus, truck, and stationary engine mechanics	26	26	17	22	34	31	39	39	27	27	26
Aircraft engine mechanics	5	7	6	3	7	5	5	8	7	3	5
Automobile body and related repairers	12	5	12	10	11	11	8	9	8	10	11
Heavy equipment mechanics	20	33	24	24	38	32	28	43	29	34	21
Farm equipment mechanics	4	4	3	—	4	3	5	5	3	—	6
Industrial machinery repairers	23	24	17	16	20	32	18	27	30	31	21
Machinery maintenance occupations	12	11	11	6	5	12	3	7	5	5	6

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Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Electrical and electronic equipment repairers	43	38	38	31	32	36	43	42	53	32	31
Electronic repairers, communications and industrial equipment	13	16	19	13	15	10	25	20	27	13	16
Data processing equipment repairers	3	—	—	—	—	—	—	—	—	—	—
Household appliance and power tool repairers	4	—	3	5	3	7	8	—	3	4	—
Telephone line installers and repairers	8	4	7	4	4	10	6	7	4	8	6
Telephone installers and repairers	6	7	4	4	7	—	—	8	9	4	4
Miscellaneous electrical and electronic equipment repairers	9	9	5	5	—	6	4	5	10	3	4
Heating, air conditioning, and refrigeration mechanics	19	16	12	17	21	14	17	24	18	18	25
Miscellaneous mechanics and repairers	51	64	84	57	59	80	58	74	65	68	54
Locksmiths and safe repairers	—	4	—	—	—	—	—	—	—	—	—
Office machine repairers	—	—	—	3	3	—	—	8	—	—	—
Mechanical controls and valve repairers	—	—	—	—	—	—	—	—	—	3	—
Elevator installers and repairers	6	6	7	8	3	11	5	7	3	5	5
Millwrights	13	4	14	11	12	13	4	7	8	8	7
Construction trades	590	569	615	610	598	592	633	634	613	667	684
Supervisors, construction occupations	91	95	111	89	85	73	89	91	109	100	108
Supervisors, carpenters and related workers	12	6	5	—	—	7	4	7	7	7	9
Supervisors, electricians and power transmission installers	4	7	5	6	—	10	7	12	6	6	9
Supervisors, painters, paperhangers, and plasterers	3	—	6	3	4	4	—	—	5	3	3
Supervisors, plumbers, pipefitters, and steamfitters	—	—	5	3	6	—	—	—	5	3	8
Supervisors, n.e.c.	64	78	87	74	68	49	73	66	85	78	78
Construction trades, except supervisors	499	474	504	521	513	519	544	543	504	567	576
Brickmasons, stonemasons, and apprentices	11	20	12	23	12	13	14	21	15	15	21
Carpenters and apprentices	92	91	87	96	89	97	91	103	91	112	109
Drywall installers	—	10	9	8	8	7	6	10	12	11	9
Electricians and apprentices	89	72	99	118	99	94	124	105	89	109	117
Electrical power installers and repairers	37	41	35	36	39	48	34	35	28	36	41
Painters, construction and maintenance	45	51	40	45	44	39	41	38	45	42	46
Plumbers, pipefitters, steamfitters, and apprentices	33	41	40	33	34	36	33	39	37	45	34
Insulation workers	4	—	7	—	4	8	10	3	8	6	5
Paving, surfacing, and tamping equipment operators	8	5	—	4	4	—	6	8	4	5	4
Roofers	50	47	53	60	61	55	50	59	65	78	87
Structural metal workers	47	34	48	38	52	45	52	43	47	45	39
Drillers, earth	—	5	7	4	8	10	8	6	5	8	8
Extractive occupations	86	97	76	67	87	75	61	47	69	97	58
Supervisors, extractive occupations	13	12	11	3	10	14	10	7	9	7	8

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Drillers, oil wells	10	27	22	17	22	11	15	3	15	21	7
Mining machine operators	38	25	29	28	28	21	20	20	27	34	17
Precision production occupations	125	119	107	103	113	101	109	109	101	90	90
Precision metal working occupations	39	32	35	27	31	24	34	38	31	25	28
Tool and die makers	-	4	-	3	-	-	-	-	-	-	-
Machinists	15	12	15	9	9	13	18	16	11	8	12
Boilermakers	7	6	7	6	4	-	3	7	5	8	-
Sheet metal workers	7	7	7	7	8	6	10	9	12	6	6
Precision woodworking occupations	6	-	3	6	-	3	-	-	6	4	3
Precision textile, apparel, and furnishings machine workers	4	4	-	-	4	4	6	4	4	-	-
Precision workers, assorted materials	-	3	3	-	6	6	-	-	3	-	-
Precision food production occupations	13	12	3	4	8	7	4	3	7	4	4
Butchers and meat cutters	9	6	-	-	6	4	-	-	4	3	-
Bakers	4	5	-	-	-	3	-	-	-	-	-
Precision inspectors, testers, and related workers	3	4	7	4	-	4	-	4	-	3	-
Inspectors, testers, and graders	3	4	5	4	-	4	-	4	-	3	-
Plant and system operators	26	24	19	25	20	28	13	15	14	18	17
Water and sewage treatment plant operators	5	4	4	7	4	13	3	5	-	10	6
Stationary engineers	7	11	6	8	7	5	5	-	5	-	6
Operators, fabricators, and laborers	1,916	1,979	2,067	2,070	2,040	2,170	2,155	2,201	2,119	2,047	1,897
Machine operators, assemblers, and inspectors	227	207	258	239	221	222	221	216	237	208	169
Machine operators and tenders, except precision	140	125	163	145	136	127	135	125	136	111	95
Metal working and plastic working machine operators	9	6	15	11	17	7	10	11	15	8	7
Fabricating machine operators, n.e.c.	-	-	3	-	-	-	-	-	-	-	-
Metal and plastic processing machine operators	9	11	3	10	4	7	6	-	9	4	4
Molding and casting machine operators	4	9	-	6	-	4	4	-	6	4	-
Metal plating machine operators	3	-	-	-	-	-	-	-	-	-	-
Woodworking machine operators	17	14	15	10	10	13	9	7	9	5	5
Sawing machine operators	15	10	10	7	8	10	6	4	7	3	3
Printing machine operators	9	5	3	7	3	3	-	4	6	3	3
Printing press operators	5	4	-	6	-	3	-	4	4	-	-
Textile, apparel, and furnishings machine operators	11	7	10	13	4	6	8	9	7	7	3
Textile sewing machine operators	3	5	3	3	-	-	-	-	-	-	-
Laundering and dry cleaning machine operators	3	-	3	7	3	-	5	6	3	-	-
Machine operators, assorted materials	84	80	114	93	97	89	100	89	90	83	71
Packaging and filling machine operators	3	-	6	-	-	4	3	-	5	-	3
Extruding and forming machine operators	-	3	-	-	3	-	-	-	5	-	-
Mixing and blending machine operators	5	3	9	3	6	3	3	4	5	4	4
Separating, filtering, and clarifying machine operators	-	-	4	5	7	3	5	6	-	-	6

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Compressing and compacting machine operators	—	—	—	3	—	3	—	—	4	—	—
Painting and paint spraying machine operators ...	—	3	9	7	3	7	4	5	4	—	—
Furnace, kiln, and oven operators, except food ...	10	8	8	7	6	5	9	4	8	4	6
Crushing and grinding machine operators	4	—	5	4	—	—	6	5	—	—	6
Slicing and cutting machine operators	3	—	4	5	3	—	8	4	6	—	4
Photographic process machine operators	—	—	—	—	3	—	—	—	—	—	—
Miscellaneous machine operators, n.e.c.	26	24	37	24	33	32	35	31	27	34	24
Machine operators, not specified	24	27	29	30	29	27	22	24	23	27	14
Fabricators, assemblers, and hand working occupations	76	74	87	87	75	83	79	82	92	86	63
Welders and cutters	65	58	67	72	63	61	65	67	68	69	53
Assemblers	9	10	12	10	9	15	12	12	19	16	9
Hand painting, coating, and decorating occupations	—	4	4	—	—	—	—	—	—	—	—
Production inspectors, testers, samplers, and weighers	11	8	8	7	10	12	7	9	9	11	11
Transportation and material moving occupations	1,118	1,194	1,177	1,161	1,175	1,277	1,260	1,322	1,264	1,188	1,143
Motor vehicle operators	873	927	930	931	927	1,032	1,023	1,065	1,002	969	952
Truck drivers	699	739	766	758	796	862	882	900	852	802	808
Driver-sales workers	46	42	30	35	35	44	36	42	45	55	58
Bus drivers	14	15	11	18	11	13	13	36	21	27	19
Taxicab drivers and chauffeurs	106	113	113	100	66	100	82	74	70	62	51
Parking lot attendants	—	5	—	8	—	5	—	3	3	—	—
Transportation occupations, except motor vehicles	82	86	73	63	71	76	40	52	47	36	38
Rail transportation occupations	27	42	31	25	22	27	15	24	21	13	11
Railroad conductors and yardmasters	6	12	9	16	3	10	4	15	6	—	6
Locomotive operating occupations	4	12	7	6	11	8	5	3	4	6	—
Railroad brake, signal, and switch operators	13	17	11	3	7	9	5	6	11	5	—
Water transportation occupations	55	44	42	38	49	49	25	28	26	23	27
Ship captains and mates, except fishing boats	14	11	13	4	9	14	3	12	7	9	13
Sailors and deckhands	40	31	25	30	38	32	18	15	17	13	14
Material moving equipment operators	163	181	174	167	177	169	197	205	215	183	153
Operating engineers	37	39	42	44	38	47	46	57	51	51	33
Hoist and winch operators	10	9	12	12	12	7	14	8	13	18	5
Crane and tower operators	13	13	11	15	14	15	12	14	16	14	13
Excavating and loading machine operators	13	22	22	16	26	23	24	21	29	22	16
Grader, dozer, and scraper operators	22	27	23	23	18	15	20	26	20	14	13
Industrial truck and tractor equipment operators	41	44	39	33	46	36	46	56	54	47	49
Handlers, equipment cleaners, helpers, and laborers	571	578	632	670	644	671	674	663	618	651	585
Helpers, mechanics and repairers	6	6	3	5	5	—	6	6	4	3	4
Helpers, construction and extractive occupations	13	15	22	10	14	14	19	15	21	13	14
Helpers, construction trades	11	11	16	7	12	11	17	14	16	11	14
Helpers, surveyor	—	4	4	—	—	—	—	—	4	—	—
Construction laborers	228	236	247	311	294	333	335	343	289	350	303

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Occupation¹⁵ - continued											
Production helpers	6	4	12	12	4	8	4	6	5	—	3
Freight, stock, and material handlers	84	81	76	76	71	68	80	65	80	79	51
Garbage collectors	20	18	23	29	21	21	25	19	23	31	17
Stevedores	5	10	—	6	6	11	11	9	4	—	4
Stock handlers and baggers	29	21	17	13	23	11	10	12	17	10	16
Machine feeders and offbearers	7	8	4	5	4	3	—	—	3	—	—
Garage and service station related occupations	31	34	23	28	17	19	24	14	28	20	11
Vehicle washers and equipment cleaners	9	7	15	12	12	13	12	14	9	10	11
Hand packers and packagers	8	4	—	—	6	3	—	—	—	4	3
Laborers, except construction	176	188	229	213	218	210	193	196	178	167	181
Military occupations¹⁶	96	74	86	108	104	61	54	55	55	88	56
Industry¹⁷											
Private industry	5,497	5,643	5,959	5,495	5,597	5,616	5,457	5,488	5,347	5,281	4,978
Agriculture, forestry and fishing	808	864	852	800	806	833	840	814	720	741	790
Agricultural production - crops	405	400	443	363	337	373	380	356	277	301	338
Cash grains	20	44	29	28	26	31	31	21	17	23	27
Wheat	3	3	4	3	7	—	4	—	—	—	—
Rice	3	—	—	—	—	—	3	—	—	—	—
Corn	—	5	—	6	6	23	4	4	—	3	3
Soybeans	—	—	—	—	—	—	—	—	—	—	3
Cash grains, n.e.c.	5	5	7	3	8	4	6	—	—	3	3
Field crops, except cash grains	15	21	26	34	43	53	33	46	41	44	25
Cotton	5	—	8	5	4	3	—	3	3	—	4
Tobacco	3	—	4	3	3	5	5	9	—	—	3
Sugarcane and sugar beets	3	8	—	—	5	—	—	—	—	—	—
Irish potatoes	—	—	7	—	—	—	—	—	—	3	—
Field crops, except grains, n.e.c.	3	7	6	9	14	24	16	12	16	13	8
Vegetables and melons	9	14	10	7	8	10	13	9	8	4	16
Fruits and tree nuts	19	24	20	26	14	24	23	30	17	27	34
Berry crops	—	—	—	3	—	3	4	—	—	3	4
Grapes	—	—	6	6	—	—	4	4	—	4	6
Tree nuts	—	—	—	—	—	6	—	—	—	4	—
Citrus fruits	3	5	4	6	5	4	—	—	5	9	8
Deciduous tree fruits	3	12	3	7	6	6	10	8	5	3	8
Fruits and tree nuts, n.e.c.	—	—	3	—	—	3	3	13	—	3	5
Horticultural specialties	8	8	14	4	9	8	11	13	9	5	11
Ornamental nursery products	5	7	10	4	9	8	10	12	6	4	9
General farms, primarily crop	224	185	248	209	199	224	249	220	180	174	214

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Agricultural production - livestock	165	214	172	162	157	183	174	164	132	129	129
Livestock, except dairy and poultry	48	61	49	66	62	63	58	64	50	45	54
Beef cattle feedlots	3	10	7	8	9	12	6	6	3	4	8
Beef cattle, except feedlots	21	25	23	31	30	42	37	50	34	23	31
Hogs	6	5	5	9	4	5	6	—	3	—	5
Sheep and goats	4	—	4	4	4	—	—	—	—	—	—
General livestock, n.e.c.	9	9	3	3	7	3	5	3	—	5	—
Dairy farms	53	75	70	47	57	60	35	50	43	57	49
Poultry and eggs	6	5	8	8	—	13	12	13	9	6	—
Broiler, fryer, and roaster chickens	—	—	—	5	—	5	4	6	4	4	—
Chicken eggs	—	—	—	—	—	—	3	3	—	—	—
Turkeys and turkey eggs	—	—	—	—	—	4	—	—	—	—	—
Poultry hatcheries	—	3	4	—	—	—	3	—	—	—	—
Animal specialties	4	8	8	7	4	6	10	8	7	6	6
Horses and other equines	3	4	—	3	—	3	7	7	4	4	4
Animal aquaculture	—	3	3	—	—	—	—	—	—	—	—
Animal specialties, n.e.c.	—	—	3	3	—	—	—	—	—	—	—
General farms, primarily animal	42	52	24	28	21	37	54	23	16	10	11
Agricultural services	137	155	163	156	172	178	170	164	213	191	199
Soil preparation services	3	4	5	—	—	—	—	3	—	—	—
Crop services	30	31	38	36	28	47	29	31	47	31	15
Crop planting and protecting	9	17	23	23	19	28	11	18	28	13	8
Crop harvesting	4	3	—	4	3	7	8	5	9	7	—
Crop preparation services for market	4	4	8	—	4	8	8	4	7	7	—
Cotton ginning	5	3	4	6	—	—	—	3	3	3	3
Veterinary services	—	3	—	6	5	—	3	4	—	7	—
Veterinary services, specialties	—	—	—	3	4	—	—	3	—	3	—
Animal services, except veterinary	5	8	6	9	5	7	8	6	9	8	8
Livestock services, except veterinary	—	—	—	—	—	3	—	—	—	—	—
Animal specialty services	3	6	6	8	5	4	7	6	8	6	7
Farm labor and management services	9	11	10	13	11	11	18	9	16	10	8
Farm labor contractors	—	—	8	11	9	10	16	6	10	9	8
Farm management services	3	4	—	—	—	—	—	—	6	—	—
Landscape and horticultural services	86	93	100	92	123	110	112	107	139	133	163
Landscape counseling and planning	9	6	14	6	10	5	12	4	13	6	17
Lawn and garden services	18	18	29	34	40	34	47	35	49	40	57
Ornamental shrub and tree services	35	53	43	40	68	66	51	60	73	74	70
Forestry	18	8	10	14	11	6	13	8	7	10	33
Timber tracts	9	—	6	6	7	4	7	5	4	—	—
Forest products	—	—	—	—	—	—	—	—	—	3	—
Forestry services	8	3	4	5	4	—	5	3	3	4	28
Fishing, hunting, and trapping	83	87	64	63	75	63	75	81	47	61	33
Commercial fishing	79	84	64	60	73	61	71	79	46	60	31

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	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Finfish	33	31	17	20	25	19	29	16	18	7	15
Shellfish	33	42	27	32	27	28	33	48	21	24	5
Miscellaneous marine products	5	-	3	-	7	5	-	-	-	-	-
Mining¹⁸	181	174	180	156	153	158	147	122	156	170	122
Metal mining	12	17	16	13	12	14	11	12	9	13	-
Copper ores	-	7	-	4	-	3	-	-	-	-	-
Lead and zinc ores	3	-	-	-	-	-	-	-	-	-	-
Gold and silver ores	6	5	9	4	7	6	-	6	3	6	-
Gold ores	6	5	7	4	6	6	-	5	3	4	-
Metal mining services	-	-	-	-	-	-	-	3	-	-	-
Miscellaneous metal ores	-	-	-	-	-	-	-	-	-	4	-
Metal ores, n.e.c.	-	-	-	-	-	-	-	-	-	3	-
Coal mining	60	40	41	43	39	32	30	35	40	42	25
Bituminous coal and lignite mining	51	39	38	38	36	32	26	28	38	28	25
Bituminous coal and lignite-surface	12	7	19	6	6	5	6	9	9	4	6
Bituminous coal-underground	34	32	18	32	26	24	20	19	18	13	19
Anthracite mining	-	-	-	4	-	-	-	4	-	-	-
Oil and gas extraction	82	94	99	77	83	85	76	50	83	98	72
Crude petroleum and natural gas	10	14	9	9	11	8	9	11	8	12	11
Natural gas liquids	-	-	4	-	-	-	-	-	-	-	-
Oil and gas field services	70	79	85	68	72	76	63	39	74	84	60
Drilling oil and gas wells	27	22	24	20	27	28	20	7	26	26	20
Oil and gas exploration services	-	-	5	7	3	4	6	7	3	3	3
Oil and gas field services, n.e.c.	41	53	55	40	39	44	37	25	45	53	37
Nonmetallic minerals, except fuels	27	23	24	23	19	27	30	25	24	16	22
Dimension stone	-	4	-	-	-	-	3	-	-	-	-
Crushed and broken stone	10	6	13	9	9	9	12	9	10	4	8
Crushed and broken limestone	5	3	7	3	6	5	6	8	5	-	7
Crushed and broken granite	-	-	-	-	-	-	3	-	-	-	-
Crushed and broken stone, n.e.c.	-	3	3	3	-	3	3	-	3	-	-
Sand and gravel	10	7	8	5	7	11	11	11	10	8	11
Construction sand and gravel	9	6	7	5	6	8	10	10	9	7	10
Chemical and fertilizer minerals	-	4	-	7	-	-	-	-	-	-	-
Potash, soda, and borate minerals	-	-	-	5	-	-	-	-	-	-	-
Nonmetallic minerals services	3	-	-	-	-	-	-	-	-	-	-
Miscellaneous nonmetallic minerals	-	-	-	-	-	4	-	-	-	-	-
Construction	919	932	1,028	1,055	1,047	1,107	1,174	1,191	1,155	1,226	1,125
General building contractors	175	156	190	176	184	194	213	183	175	202	189
Residential building construction	84	66	83	84	83	89	115	98	97	99	92
Single-family housing construction	42	40	50	64	65	65	87	79	62	80	67
Residential construction, n.e.c.	14	11	20	14	9	16	20	14	29	14	14

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(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Operative builders	—	—	—	—	4	—	—	—	—	5	6
Nonresidential building construction	73	70	96	82	88	92	79	76	67	84	75
Industrial buildings and warehouses	21	28	37	29	33	33	24	30	25	27	13
Nonresidential construction, n.e.c.	41	33	48	48	51	53	51	44	41	53	57
Heavy construction, except building	241	255	246	246	248	252	272	280	284	267	246
Highway and street construction	92	72	76	90	91	82	104	86	82	98	84
Heavy construction, except highway	138	176	165	155	155	163	167	189	199	168	159
Bridge, tunnel, and elevated highway	23	26	20	30	19	22	19	20	33	31	21
Water, sewer, and utility lines	56	86	90	63	77	72	96	103	98	96	88
Heavy construction, n.e.c.	58	63	55	61	54	69	50	64	68	41	47
Special trade contractors	503	521	592	618	606	648	680	710	673	735	665
Plumbing, heating and air-conditioning	53	48	71	63	64	61	65	66	73	79	68
Painting and paper hanging	37	39	40	47	41	45	42	36	45	50	43
Electrical work	75	68	78	92	72	82	115	107	81	94	105
Masonry, stonework, tile setting, and plastering ..	32	42	53	66	52	42	53	57	65	60	51
Masonry and other stonework	20	24	15	36	26	23	27	36	31	29	30
Plastering, drywall, and insulation	11	14	26	24	25	17	22	20	30	27	17
Terrazzo, tile, marble, mosaic work	—	3	10	5	—	—	3	—	4	4	4
Carpentry and floor work	36	40	31	38	37	44	42	46	58	66	64
Carpentry work	30	35	28	37	29	39	37	43	48	61	56
Floor laying and floor work, n.e.c.	4	5	3	—	6	3	5	3	9	5	8
Roofing, siding, and sheet metal work	80	84	89	97	99	104	91	96	98	116	113
Concrete work	21	18	34	34	29	32	28	42	28	31	27
Water well drilling	5	10	8	—	11	10	10	5	5	15	8
Miscellaneous special trade contractors	161	159	183	174	199	223	227	245	216	218	184
Structural steel erection	42	41	52	42	55	48	57	56	50	60	43
Glass and glazing work	3	—	3	3	7	3	7	3	5	3	4
Excavation work	35	33	47	39	50	50	42	43	49	57	34
Wrecking and demolition work	22	14	22	19	15	27	20	22	18	22	16
Installing building equipment, n.e.c.	14	14	12	10	16	17	12	20	13	11	13
Special trade contractors, n.e.c.	45	56	47	61	55	77	87	100	81	63	73
Manufacturing	765	767	789	709	725	744	698	722	668	598	564
Food and kindred products	92	84	79	75	73	78	72	83	68	57	64
Meat products	28	19	15	21	29	16	23	25	22	17	13
Meat packing plants	18	12	3	11	15	5	5	8	5	5	4
Sausages and other prepared meats	—	—	3	—	—	—	4	5	3	—	4
Poultry slaughtering and processing	6	6	9	9	12	9	14	12	13	10	5
Dairy products	5	6	5	5	4	7	6	7	4	7	5
Cheese, natural and processed	—	—	—	—	—	—	3	—	—	3	—
Fluid milk	3	—	4	4	—	5	—	4	—	3	—
Preserved fruits and vegetables	11	10	9	6	—	4	10	5	5	5	5
Grain mill products	12	12	13	15	9	15	8	11	11	7	13

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**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Flour and other grain mill products	3	3	3	4	-	-	-	-	-	-	-
Prepared flour mixes and doughs	-	-	-	-	-	-	-	3	-	-	-
Prepared feeds, n.e.c.	5	3	8	5	6	12	6	4	8	3	6
Bakery products	3	8	7	9	9	7	5	11	6	5	6
Sugar and confectionery products	6	8	5	3	4	10	-	-	5	4	-
Fats and oils	-	5	-	-	6	4	6	6	4	3	5
Beverages	12	8	11	-	6	5	4	10	8	-	6
Miscellaneous food and kindred products	14	8	13	12	4	10	8	5	3	9	10
Canned and cured fish and seafoods	3	-	-	-	-	-	-	-	-	-	-
Fresh or frozen prepared fish	3	4	4	5	-	3	3	-	-	-	3
Potato chips and similar snacks	-	-	4	-	-	-	-	-	-	3	-
Manufactured ice	4	-	-	-	-	-	-	-	-	-	3
Food preparations, n.e.c.	-	-	-	5	-	5	5	-	-	4	3
Tobacco products	-	-	-	-	-	-	5	-	-	-	-
Textile mill products	8	19	12	9	12	12	9	10	13	17	5
Broadwoven fabric mills, cotton	-	3	-	-	-	-	-	-	-	-	-
Knitting mills	-	3	3	4	-	-	-	-	-	-	-
Textile finishing, except wool	-	4	-	-	3	3	-	-	-	4	-
Carpets and rugs	-	-	-	-	3	4	-	-	-	6	-
Miscellaneous textile goods	-	3	4	-	3	-	-	-	6	-	-
Apparel and other textile products	10	12	8	5	6	7	9	10	4	4	-
Men's and boys' furnishings	-	3	-	-	-	-	-	-	-	-	-
Women's and misses' outerwear	3	4	-	-	-	-	-	3	-	-	-
Miscellaneous fabricated textile products	4	-	4	-	-	3	6	4	-	-	-
Lumber and wood products	228	205	199	183	204	199	172	190	186	151	142
Logging	166	147	130	139	156	136	125	138	122	103	100
Sawmills and planing mills	41	29	35	22	28	32	24	21	19	20	21
Sawmills and planing mills, general	38	28	28	16	24	25	20	18	17	18	16
Hardwood dimension and flooring mills	-	-	-	5	-	4	-	3	-	-	-
Special product sawmills, n.e.c.	-	-	4	-	3	-	-	-	-	-	-
Millwork, plywood and structural members	12	12	13	10	7	15	11	13	14	10	8
Millwork	5	3	5	-	-	4	3	4	4	-	-
Wood kitchen cabinets	-	3	6	4	-	-	4	-	5	-	-
Hardwood veneer and plywood	3	-	-	-	-	5	-	3	-	-	-
Softwood veneer and plywood	-	-	-	3	-	-	-	4	-	-	-
Wood containers	-	3	6	-	3	4	5	6	7	4	-
Wood buildings and mobile homes	-	3	6	4	5	-	-	5	13	5	-
Miscellaneous wood products	5	9	7	7	5	10	4	3	8	8	8
Furniture and fixtures	17	8	11	11	10	7	12	8	11	12	3
Household furniture	10	3	7	5	5	5	9	7	5	4	-
Office furniture	-	-	-	-	-	-	-	-	3	-	-
Partitions and fixtures	3	-	-	-	-	-	-	-	-	3	-
Miscellaneous furniture and fixtures	3	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Paper and allied products	28	15	33	28	19	24	16	27	17	12	22
Paper mills	10	4	14	7	6	11	9	6	10	6	12
Paperboard mills	4	—	—	—	—	—	—	5	—	—	5
Paperboard containers and boxes	7	4	11	8	8	6	4	7	—	—	3
Miscellaneous converted paper products	3	3	4	9	3	5	—	8	4	4	—
Printing and publishing	32	38	28	42	31	35	28	25	34	32	34
Newspapers	14	21	18	24	22	25	16	14	23	17	27
Periodicals	—	—	3	3	—	—	—	—	—	—	—
Books	—	—	—	—	—	—	—	—	—	3	—
Miscellaneous publishing	—	3	—	4	—	3	—	—	—	—	—
Commercial printing	15	9	5	11	5	—	7	8	7	8	4
Commercial printing, lithographic	8	6	—	5	—	—	4	4	4	4	3
Chemicals and allied products	34	32	46	38	26	33	48	47	27	43	30
Industrial inorganic chemicals	6	4	9	8	5	6	8	5	—	3	5
Industrial gases	—	—	3	3	—	—	—	4	—	—	—
Plastics materials and synthetics	6	5	10	4	—	5	3	—	4	10	3
Drugs	4	4	3	10	—	6	—	—	—	4	3
Medicinals and botanicals	—	—	—	7	—	—	—	—	—	—	—
Pharmaceutical preparations	—	4	3	3	—	5	—	—	—	4	3
Soap, cleaners, and toilet goods	—	—	3	5	3	—	5	3	—	3	4
Paints and allied products	—	—	3	—	—	—	3	—	—	4	—
Industrial organic chemicals	5	3	—	—	—	7	7	11	—	—	3
Agricultural chemicals	5	4	7	—	3	4	3	4	8	5	5
Miscellaneous chemical products	6	7	8	9	9	—	18	15	6	10	6
Adhesives and sealants	—	3	—	—	—	—	—	—	—	—	—
Explosives	—	—	—	3	—	—	5	4	—	—	—
Chemicals and chemical preparations, n.e.c. ...	4	4	4	5	8	—	11	9	5	7	5
Petroleum and coal products	10	17	10	19	13	11	18	9	5	7	—
Petroleum refining	7	15	5	13	9	4	10	5	3	5	—
Asphalt paving and roofing materials	—	—	4	5	3	6	6	—	—	—	—
Miscellaneous petroleum and coal products	—	—	—	—	—	—	—	3	—	—	—
Rubber and miscellaneous plastics products	32	29	34	23	21	22	16	19	26	20	23
Tires and inner tubes	3	—	5	—	3	4	—	—	—	—	—
Hose and belting and gaskets and packing	—	—	—	—	—	—	—	—	3	—	—
Fabricated rubber products, n.e.c.	4	4	3	6	—	—	—	3	3	—	3
Miscellaneous plastics products, n.e.c.	24	23	24	14	17	17	14	15	18	16	14
Unsupported plastics film and sheet	—	3	4	—	—	—	—	—	—	—	—
Plastics foam products	—	—	4	—	—	3	—	—	3	—	—
Leather and leather products	—	—	—	3	—	—	—	—	—	—	—
Stone, clay, glass and concrete products	43	53	41	40	53	48	50	44	45	52	52
Flat glass	—	—	—	—	—	—	—	—	3	—	—
Glass and glassware, pressed or blown	—	—	4	—	5	—	—	—	—	3	—
Products of purchased glass	—	—	—	—	—	4	—	—	—	—	—

See footnotes at end of table.

**Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Cement, hydraulic	-	-	-	-	-	-	-	-	-	-	4
Structural clay products	4	-	4	-	3	-	3	3	4	-	3
Concrete, gypsum, and plaster products	29	37	24	25	29	31	37	34	28	42	38
Concrete block and brick	7	7	4	5	-	3	4	5	5	4	-
Ready-mixed concrete	9	14	13	11	20	19	17	16	12	22	23
Lime	-	-	-	-	-	-	4	-	-	-	4
Cut stone and stone products	-	3	6	4	9	6	-	3	5	-	4
Miscellaneous nonmetallic mineral products	3	4	-	5	4	4	4	-	-	-	-
Primary metal industries	63	71	64	54	68	59	46	51	52	35	31
Blast furnace and basic steel products	26	32	36	25	32	25	23	18	17	14	12
Blast furnaces and steel mills	18	24	26	17	26	17	18	14	12	10	9
Steel wire and related products	-	-	4	-	-	-	-	-	-	-	-
Cold finishing of steel shapes	4	3	3	4	3	4	3	3	4	-	-
Steel pipe and tubes	-	-	-	4	-	-	-	-	-	-	-
Iron and steel foundries	7	10	8	8	17	17	6	17	13	7	11
Gray and ductile iron foundries	3	8	3	7	9	10	4	11	10	3	6
Primary nonferrous metals	8	5	4	4	3	-	5	-	-	-	-
Secondary nonferrous metals	4	5	6	-	5	4	3	3	4	3	-
Nonferrous rolling and drawing	7	6	7	7	6	3	4	3	9	4	-
Copper rolling and drawing	-	5	-	-	-	-	-	-	-	-	-
Aluminum extruded products	-	-	-	-	-	-	3	-	3	-	-
Nonferrous wiredrawing and insulating	-	-	-	-	-	-	-	-	3	-	-
Nonferrous foundries (castings)	4	9	-	6	3	5	3	4	5	3	-
Miscellaneous primary metal products	-	-	-	-	-	-	-	-	-	-	3
Fabricated metal products	39	46	51	47	54	50	49	46	46	51	41
Metal cans and shipping containers	-	4	-	-	-	-	-	-	-	-	-
Cutlery, handtools, and hardware	-	3	-	-	-	-	-	-	3	-	-
Fabricated structural metal products	17	19	22	20	21	28	30	21	15	27	20
Fabricated structural metal	7	4	5	7	12	11	11	8	6	13	9
Metal doors, sash, and trim	3	-	-	-	-	-	3	-	-	-	-
Fabricated plate work (boiler shops)	5	5	8	4	-	7	7	6	4	7	4
Sheet metal work	-	5	4	4	3	4	3	3	3	3	4
Architectural metal work	-	-	-	-	3	-	-	-	-	-	-
Prefabricated metal buildings	-	-	-	-	-	4	3	-	-	-	-
Screw machine products, bolts, etc.	-	-	-	-	-	-	-	-	3	-	-
Metal forgings and stampings	7	6	11	6	8	8	6	4	5	5	4
Iron and steel forgings	-	-	-	-	5	3	3	-	3	3	-
Automotive stampings	3	-	8	5	-	-	-	-	-	-	-
Metal services, n.e.c.	4	7	9	8	11	5	5	8	8	7	4
Miscellaneous fabricated metal products	5	4	4	7	8	9	-	10	8	7	8
Industrial machinery and equipment	44	44	69	47	45	69	63	55	51	38	49
Engines and turbines	-	-	-	-	-	5	-	-	-	-	-
Farm and garden machinery	4	-	-	-	4	3	3	-	7	-	-

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Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Construction and related machinery	9	9	20	17	14	24	12	17	16	8	6
Construction machinery	4	6	6	8	4	9	3	9	6	4	4
Oil and gas field machinery	-	-	6	-	5	-	4	-	6	-	-
Elevators and moving stairways	-	-	-	-	-	3	-	-	-	-	-
Conveyors and conveying equipment	-	-	-	-	3	-	-	-	-	-	-
Hoists, cranes, and monorails	-	-	-	-	-	3	-	-	-	-	-
Industrial trucks and tractors	-	-	4	-	-	4	4	4	-	-	-
Metalworking machinery	3	9	15	7	5	9	9	13	5	9	13
Special industry machinery	5	4	5	4	3	-	3	-	5	-	-
General industrial machinery	3	4	5	4	3	3	8	-	-	-	5
Computer and office equipment	-	-	-	-	-	4	6	-	-	-	-
Refrigeration and service machinery	5	3	3	-	-	4	6	3	6	5	3
Industrial machinery, n.e.c.	10	8	13	10	8	16	14	11	9	7	17
Electronic and other electronic equipment	20	18	24	16	16	13	10	13	13	13	7
Electric distribution equipment	-	-	-	-	3	-	-	-	-	-	-
Electrical industrial apparatus	-	-	-	-	4	-	-	-	-	-	-
Household appliances	-	-	-	-	4	-	-	-	-	-	-
Electric lighting and wiring equipment	-	-	-	-	-	3	-	3	-	-	-
Communications equipment	3	-	6	-	-	-	-	-	-	3	-
Electronics components and accessories	6	6	9	8	-	6	4	-	4	4	-
Miscellaneous electrical equipment and supplies	4	4	-	-	-	-	-	-	-	3	-
Transportation equipment	45	55	51	51	54	57	61	68	49	33	39
Motor vehicles and equipment	12	16	17	18	18	24	24	33	17	18	14
Motor vehicles and car bodies	5	5	7	6	6	7	5	12	5	9	7
Truck and bus bodies	-	-	3	-	-	-	-	3	-	-	-
Motor vehicle parts and accessories	3	8	6	7	10	15	8	12	7	9	5
Aircraft and parts	14	15	7	10	14	10	4	9	10	8	7
Ship and boat building and repairing	15	18	18	10	15	17	27	20	14	4	16
Railroad equipment	-	-	-	4	-	-	-	-	4	3	-
Miscellaneous transportation equipment	-	-	-	5	5	5	-	3	3	-	-
Instruments and related products	9	6	13	9	4	4	5	-	7	4	9
Search and navigation equipment	-	-	5	-	-	-	-	-	-	-	-
Measuring and controlling devices	3	-	5	-	-	-	3	-	-	-	4
Medical instruments and supplies	4	-	-	5	-	-	-	-	-	-	4
Miscellaneous manufacturing industries	9	15	14	7	10	14	8	11	11	14	7
Toys and sporting goods	-	-	-	-	-	-	-	5	-	3	-
Miscellaneous manufactures	7	11	12	5	8	13	7	6	8	8	6
Transportation and public utilities	895	894	949	901	970	1,008	911	1,008	957	915	910
Railroad transportation	30	44	31	35	31	33	17	32	25	18	20
Railroads	30	44	31	34	31	33	16	32	25	16	19
Local and interurban passenger transportation	126	130	114	117	79	106	85	102	84	80	60

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Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Local and suburban transportation	16	11	8	17	11	11	18	20	14	21	16
Taxicabs	100	106	102	92	60	93	63	66	61	46	37
Intercity and rural bus transportation	—	—	—	—	—	—	—	—	—	3	—
Bus charter service	4	4	3	5	5	—	—	6	3	4	3
School buses	3	3	—	—	3	—	—	7	5	6	—
Trucking and warehousing	450	471	505	476	520	573	564	607	566	536	584
Trucking and courier services, except air	412	429	475	439	482	520	538	564	523	505	556
Local trucking, without storage	110	109	110	109	111	128	148	141	127	115	144
Trucking, except local	173	211	280	276	282	329	328	362	345	329	352
Local trucking with storage	7	4	8	11	8	9	9	8	9	10	13
Courier services, except by air	21	13	17	8	31	28	10	19	22	24	13
Public warehousing and storage	13	19	18	11	15	28	14	21	19	16	21
Farm product warehousing and storage	6	6	6	—	4	8	—	6	—	—	6
Refrigerated warehousing and storage	—	—	4	—	—	—	—	—	—	5	—
General warehousing and storage	3	5	6	8	8	12	11	7	11	6	9
Trucking terminal facilities	4	8	7	8	5	6	8	3	10	6	5
Water transportation	70	51	48	52	69	72	52	55	47	42	47
Deep sea foreign transportation of freight	11	5	6	8	9	16	9	6	—	7	4
Deep sea domestic transportation of freight	3	—	—	4	—	5	3	—	4	—	—
Water transportation of freight, n.e.c.	9	—	7	6	13	3	7	6	4	8	7
Water transportation of passengers	—	—	—	—	8	—	—	—	—	—	—
Deep sea transportation of passengers, except by ferry	—	—	—	—	8	—	—	—	—	—	—
Water transportation services	44	40	30	30	36	46	32	39	33	20	34
Marine cargo handling	12	12	12	13	15	19	20	17	17	9	15
Towing and tugboat services	20	16	8	7	11	12	7	11	7	5	11
Marinas	3	3	—	3	6	4	3	5	6	4	5
Transportation by air	90	79	99	80	115	83	74	74	97	85	71
Air transportation, scheduled	24	33	45	26	72	23	23	21	34	35	15
Air transportation, scheduled	19	24	36	15	67	10	8	13	15	19	4
Air courier services	4	5	7	8	4	13	13	6	18	13	10
Air transportation, nonscheduled	42	27	35	39	32	44	41	41	44	32	42
Airports, flying fields, and services	19	19	18	12	8	16	10	10	16	17	13
Pipelines, except natural gas	—	—	—	—	—	—	—	—	3	3	—
Transportation services	15	21	29	22	17	23	13	21	15	25	11
Passenger transportation arrangement	—	3	13	6	—	3	3	5	—	4	—
Freight transportation arrangement	11	11	10	10	9	12	8	8	9	10	4
Miscellaneous transportation services	—	6	5	6	6	8	—	8	4	9	6
Communications	24	25	32	25	42	25	19	30	36	33	33
Telephone communications	17	14	14	11	19	15	6	18	17	16	14
Radiotelephone communications	—	—	3	—	3	—	—	3	3	3	3
Telephone communications, except radio	15	11	10	9	16	11	6	14	12	11	10
Radio and television broadcasting	4	7	9	5	10	4	—	6	5	5	7

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Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Cable and other pay television services	3	3	8	7	10	5	10	5	12	10	9
Electric, gas, and sanitary services	86	72	89	91	89	89	83	86	84	88	81
Electric services	37	23	35	34	29	34	27	24	28	25	35
Gas production and distribution	—	7	9	3	13	6	6	7	4	10	6
Combination utility services	16	11	8	6	7	10	9	5	5	8	—
Electric and other services combined	10	6	6	—	4	6	5	—	—	4	—
Gas and other services combined	—	—	—	—	3	—	—	—	—	—	—
Water supply	3	—	3	—	—	3	—	—	4	—	—
Sanitary services	26	30	33	46	35	34	39	45	41	43	35
Refuse systems	21	27	26	42	34	32	31	38	38	38	26
Wholesale trade	253	252	271	256	270	241	229	238	230	220	205
Wholesale trade-durable goods	140	139	158	158	154	140	138	132	126	124	113
Motor vehicles, parts, and supplies	23	16	24	31	31	26	27	23	17	20	19
Automobiles and other motor vehicles	4	3	5	5	4	10	7	7	3	7	3
Motor vehicle supplies and new parts	10	6	8	11	14	5	10	7	11	4	8
Tires and tubes	—	—	—	6	3	3	—	—	—	3	—
Furniture and homefurnishings	7	4	6	6	4	5	—	—	—	3	—
Lumber and construction materials	13	18	25	12	16	20	12	12	16	16	13
Professional and commercial equipment	5	13	14	10	8	6	10	13	8	6	5
Metals and minerals, except petroleum	8	9	8	5	5	5	5	11	11	8	4
Electrical goods	9	3	6	10	13	6	7	10	7	9	5
Hardware, plumbing and heating equipment	18	10	9	7	10	6	9	5	4	6	6
Machinery, equipment, and supplies	30	31	29	33	27	23	27	28	27	26	39
Miscellaneous durable goods	27	34	37	44	40	43	39	25	31	28	20
Toys and hobby goods and supplies	—	—	—	—	—	5	—	—	—	—	—
Scrap and waste materials	22	25	34	39	31	33	30	22	23	25	16
Jewelry and precious stones	—	—	—	—	4	—	—	—	—	—	—
Durable goods, n.e.c.	—	4	—	4	—	3	4	3	—	—	3
Wholesale trade-nondurable goods	113	113	113	97	116	100	91	106	104	96	88
Paper and paper products	3	—	6	4	7	4	3	—	5	—	—
Drugs, proprietaries, and sundries	3	—	3	—	—	—	—	5	7	3	—
Apparel, piece goods, and notions	4	—	3	—	4	—	—	—	—	3	—
Groceries and related products	36	42	39	33	37	32	28	44	25	31	31
Packaged frozen foods	—	—	—	4	3	5	—	—	—	—	—
Dairy products, except dried or canned	—	7	—	3	—	4	—	—	—	3	3
Poultry and poultry products	—	—	—	—	—	—	—	—	—	3	—
Fish and seafoods	—	4	4	—	—	—	—	—	5	3	—
Meats and meat products	—	—	—	3	—	—	3	3	—	3	—
Fresh fruits and vegetables	3	7	4	6	3	7	3	6	—	6	3
Farm-product raw materials	10	17	20	13	11	14	17	10	13	17	14
Chemicals and allied products	6	5	3	—	9	4	—	3	6	6	8
Petroleum and petroleum products	21	13	13	19	18	16	22	16	24	5	16

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Petroleum bulk stations and terminals	5	5	3	5	8	5	3	8	7	-	5
Petroleum and petroleum products wholesalers, except bulk stations and terminals	13	7	9	13	10	10	18	7	16	3	11
Beer, wine, and distilled beverages	6	11	-	5	3	5	5	5	-	-	-
Miscellaneous nondurable goods	21	21	24	19	26	22	15	17	21	26	13
Retail trade	734	795	808	687	681	670	570	513	594	538	488
Building materials and garden supplies	30	32	43	37	40	28	43	29	35	24	29
Lumber and other building materials	13	20	25	26	24	17	26	19	21	16	18
Hardware stores	9	3	4	-	-	4	6	4	-	4	5
Retail nurseries and garden stores	3	3	6	4	6	-	-	-	6	-	4
Mobile home dealers	5	5	7	3	7	4	7	5	6	-	-
General merchandise stores	26	26	33	19	25	16	27	24	27	21	25
Department stores	11	14	15	8	9	6	13	14	10	9	12
Variety stores	6	5	4	6	8	5	3	5	7	3	8
Miscellaneous general merchandise stores	9	5	14	5	7	5	10	5	10	9	4
Food stores	212	227	237	190	180	192	135	118	145	132	100
Grocery stores	187	201	218	175	168	172	120	97	128	111	89
Meat and fish markets	4	3	-	-	5	3	3	3	3	4	-
Fruit and vegetable markets	3	3	4	3	-	4	-	4	6	4	3
Dairy products stores	-	3	-	-	-	4	-	-	-	-	-
Retail bakeries	11	13	11	6	5	6	6	8	3	9	3
Miscellaneous food stores	-	3	-	4	-	-	4	3	4	4	3
Automotive dealers and service stations	115	139	123	125	98	115	120	83	95	83	68
New and used car dealers	23	30	34	27	31	20	37	15	23	27	24
Used car dealers	7	7	11	18	10	14	15	3	11	5	-
Auto and home supply stores	20	23	17	23	18	23	14	22	24	15	14
Gasoline service stations	54	68	55	49	36	43	40	28	33	24	20
Boat dealers	4	-	-	-	-	3	-	5	-	6	-
Recreational vehicle dealers	-	-	-	3	-	4	-	-	-	-	-
Motorcycle dealers	4	-	4	4	-	6	8	-	-	3	-
Automotive dealers, n.e.c.	-	-	-	-	-	-	4	3	-	-	3
Apparel and accessory stores	22	23	12	20	12	10	11	5	12	12	6
Men's and boys' clothing stores	-	-	-	-	4	-	-	-	-	3	-
Women's clothing stores	4	-	-	-	3	-	-	-	-	-	-
Children's and infants' wear stores	-	3	-	-	-	-	-	-	-	-	-
Family clothing stores	5	7	-	11	-	7	-	-	-	-	3
Shoe stores	4	5	3	3	-	-	-	-	-	-	-
Miscellaneous apparel and accessory stores	5	-	3	-	-	-	4	-	3	3	-
Furniture and homefurnishings stores	13	25	34	21	32	28	25	16	21	22	23
Furniture and homefurnishings stores	6	10	16	11	18	18	14	6	12	13	15
Household appliance stores	-	4	-	-	-	3	-	-	4	-	-

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Radio, television, and computer stores	6	11	16	9	13	7	8	8	5	8	6
Eating and drinking places	190	201	184	168	166	151	107	146	138	148	126
Eating places	114	115	121	95	93	106	69	97	107	101	94
Drinking places	37	39	39	38	58	29	27	39	23	36	23
Miscellaneous retail	126	122	142	104	126	126	101	92	118	93	107
Drug stores and proprietary stores	4	8	7	6	7	8	5	5	6	3	9
Liquor stores	24	23	23	18	18	20	23	20	13	16	11
Used merchandise stores	17	16	22	10	15	30	11	8	13	11	6
Miscellaneous shopping goods stores	32	24	19	15	28	19	18	15	30	17	21
Sporting goods and bicycle shops	10	7	4	4	12	7	6	—	13	7	10
Book stores	3	3	—	4	—	—	—	—	—	3	—
Stationery stores	3	—	—	—	—	—	—	—	4	—	—
Jewelry stores	9	8	10	5	8	3	7	6	6	—	5
Gift, novelty, and souvenir shops	5	—	—	—	4	—	—	—	4	3	—
Nonstore retailers	18	23	34	20	25	18	21	19	33	28	32
Catalog and mail-order houses	—	—	—	—	—	—	—	—	3	—	—
Merchandising machine operators	—	—	—	3	4	3	—	—	4	3	4
Direct selling establishments	12	17	32	17	21	15	17	16	26	25	28
Fuel dealers	16	10	10	20	10	17	7	3	9	5	11
Fuel oil dealers	4	4	3	8	—	5	3	—	3	4	5
Liquefied petroleum gas dealers	10	5	5	11	6	12	4	3	3	—	5
Fuel dealers, n.e.c.	—	—	—	—	—	—	—	—	3	—	—
Retail stores, n.e.c.	13	16	26	14	23	14	16	20	14	13	17
Florists	5	5	7	4	7	3	3	—	—	5	5
News dealers and newsstands	—	—	3	—	—	—	—	—	—	—	—
Finance, insurance, and real estate	122	118	113	125	116	97	92	107	79	86	88
Depository institutions	21	10	22	31	16	14	20	14	13	15	19
Commercial banks	13	7	18	8	9	8	14	7	7	9	8
Credit unions	—	—	—	19	—	—	—	—	—	—	—
Functions closely related to banking	5	—	3	3	5	3	—	—	—	3	8
Nondepository institutions	—	—	6	—	5	9	5	6	—	—	3
Personal credit institutions	—	—	3	—	3	4	—	—	—	—	—
Mortgage bankers and brokers	—	—	—	—	—	—	—	3	—	—	—
Security and commodity brokers	5	8	—	7	7	—	4	7	3	9	3
Security brokers and dealers	3	6	—	—	3	—	3	6	—	4	—
Security and commodity services	—	—	—	4	3	—	—	—	—	4	—
Insurance carriers	14	13	15	8	11	10	8	10	5	5	13
Life insurance	8	4	5	3	5	3	—	5	—	—	4
Medical service and health insurance	—	3	4	4	3	5	6	—	—	3	5
Fire, marine, and casualty insurance	3	6	3	—	—	—	—	4	—	—	—
Insurance agents, brokers, and service	17	15	12	11	20	10	12	14	7	10	6
Real estate	61	66	51	66	57	48	42	49	46	46	43

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002
(revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Real estate operators and lessors	29	35	31	36	29	21	23	28	20	29	20
Nonresidential building operators	5	5	—	8	8	6	5	3	—	9	—
Apartment building operators	13	23	21	22	16	11	12	19	11	18	13
Dwelling operators, except apartments	—	—	—	3	—	—	3	—	3	—	—
Mobile home site operators	3	—	6	—	—	—	3	—	3	—	3
Real estate agents and managers	27	27	16	23	24	23	16	14	21	15	16
Title abstract offices	—	—	—	—	—	—	—	—	—	—	3
Subdividers and developers	5	4	3	5	3	3	3	6	4	—	—
Holdings and other investment offices	3	5	4	—	—	3	—	7	3	—	—
Holding offices	—	—	3	—	—	—	—	—	—	—	—
Miscellaneous investing	—	—	—	—	—	—	—	6	—	—	—
Services	757	774	853	749	776	727	763	736	769	772	682
Hotels and other lodging places	52	33	44	33	32	44	36	37	39	37	38
Hotels and motels	40	25	37	27	31	41	30	29	32	33	28
Camps and recreational vehicle parks	9	7	7	5	—	3	3	7	5	4	10
Personal services	47	31	32	39	39	35	50	43	34	45	31
Laundry, cleaning, and garment services	26	13	13	19	18	12	23	24	18	12	10
Photographic studios, portrait	—	—	4	—	—	—	3	—	4	—	3
Beauty shops	7	9	—	7	7	8	—	—	3	10	—
Barber shops	—	—	5	6	6	3	5	6	—	9	6
Funeral service and crematories	3	—	—	4	6	—	6	5	3	4	7
Miscellaneous personal services	5	5	6	—	—	7	11	5	3	8	—
Business services	210	192	255	212	168	183	196	161	199	192	165
Advertising	6	13	18	16	7	8	9	9	6	5	12
Credit reporting and collection	—	—	—	—	—	3	—	—	—	—	—
Mailing, reproduction, stenographic	8	3	9	12	5	14	5	3	3	6	—
Services to buildings	34	32	33	30	21	27	30	30	35	31	47
Disinfecting and pest control services	4	5	6	3	4	5	5	4	5	4	8
Building maintenance services, n.e.c.	23	23	27	27	17	22	25	26	30	27	39
Miscellaneous equipment rental and leasing	15	8	14	22	15	20	19	13	15	29	18
Medical equipment rental	—	—	—	—	—	—	3	—	3	—	4
Heavy construction equipment rental	6	4	3	12	5	11	11	4	5	22	6
Personnel supply services	36	45	35	34	24	19	35	23	43	34	12
Employment agencies	7	5	7	4	3	—	—	5	7	4	—
Help supply services	27	39	28	30	19	17	32	17	36	30	12
Computer and data processing services	14	7	16	6	9	9	11	7	23	16	10
Miscellaneous business services	94	84	130	92	87	83	87	72	70	71	64
Detective and armored car services	42	51	73	49	47	36	36	39	35	40	43
Security systems services	—	3	5	7	3	7	3	—	3	5	3
Automotive repair, services, and parking	80	120	91	117	104	110	133	133	132	116	114
Automotive rentals, no drivers	11	8	14	6	9	4	16	11	12	11	9
Automobile parking	—	—	—	6	—	4	3	6	3	3	—

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Automotive repair shops	53	85	62	80	68	69	80	82	81	66	78
Top, body, and upholstery repair shops and paint shops	4	12	23	19	19	17	12	20	15	15	14
Automotive exhaust system repair shops	-	-	-	-	-	-	-	-	-	-	3
Tire retreading and repair shops	5	4	-	5	4	4	6	8	8	5	4
Automotive transmission repair shops	-	5	-	-	-	-	3	3	-	-	-
General automotive repair shops	24	42	27	44	39	35	48	39	52	37	44
Automotive repair shops, n.e.c.	3	6	4	4	-	4	8	6	-	5	5
Automotive services, except repair	15	25	15	25	24	32	34	33	36	36	26
Automotive services, n.e.c.	11	18	10	19	21	25	28	22	27	34	19
Miscellaneous repair services	46	49	38	51	52	37	41	53	46	46	43
Electrical repair shops	10	11	9	15	13	5	13	14	10	9	8
Reupholstery and furniture repair	-	-	-	-	3	-	-	-	4	-	-
Miscellaneous repair shops	33	35	29	34	36	31	26	36	32	36	32
Motion pictures	16	23	13	5	20	14	7	6	14	8	9
Motion picture production and services	10	11	4	3	5	6	3	4	10	-	4
Motion picture theaters	-	-	-	-	3	-	-	-	-	-	-
Video tape rental	5	10	7	-	9	6	4	-	-	6	-
Amusement and recreation services	64	78	82	61	71	80	76	83	67	94	79
Producers, orchestras, entertainers	8	-	8	8	3	6	4	7	4	8	4
Bowling centers	-	-	-	-	-	-	-	-	3	-	-
Commercial sports	7	6	18	13	24	15	9	19	20	28	20
Sports clubs, managers, and promoters	-	-	-	4	3	-	-	-	-	4	3
Racing, including track operations	5	4	17	9	21	13	9	16	18	24	17
Miscellaneous amusement, recreation services ..	47	71	55	38	43	59	61	55	40	57	52
Physical fitness facilities	-	-	-	-	4	-	-	-	-	4	-
Public golf courses	-	-	4	-	6	-	7	4	3	3	9
Coin-operated amusement devices	-	5	6	-	-	-	-	3	3	-	-
Amusement parks	3	-	-	3	-	3	-	-	-	5	5
Membership sports and recreation clubs	-	18	7	7	4	5	15	10	11	8	6
Health services	73	69	87	62	95	70	65	71	67	70	66
Offices and clinics of medical doctors	15	6	11	9	9	6	13	7	9	6	16
Offices and clinics of dentists	5	7	6	3	-	-	-	-	-	-	5
Offices of other health practitioners	3	-	3	3	4	-	3	-	3	4	3
Nursing and personal care facilities	9	10	11	9	15	6	5	8	12	11	8
Hospitals	20	27	28	20	34	21	24	30	17	33	15
General medical and surgical hospitals	17	15	22	15	25	18	22	25	14	26	14
Psychiatric hospitals	-	4	-	3	-	-	-	-	-	3	-
Medical and dental laboratories	7	4	4	-	-	6	-	-	3	3	5
Home health care services	11	8	20	15	19	23	16	13	13	6	9
Health and allied services, n.e.c.	-	5	-	-	6	3	3	-	8	4	4
Legal services	12	14	11	13	15	16	18	16	8	6	8
Educational services	35	28	30	27	27	30	33	29	41	44	27

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Elementary and secondary schools	6	7	5	—	5	4	7	—	5	20	4
Colleges and universities	12	7	12	10	5	9	4	9	9	5	9
Vocational schools	3	3	—	—	—	—	—	—	—	—	—
Schools and educational services, n.e.c.	13	10	10	17	16	15	20	16	25	15	13
Social services	15	29	33	30	39	21	27	27	23	32	21
Individual and family services	3	7	8	7	14	5	6	7	11	10	8
Job training and related services	3	9	10	5	5	—	3	3	6	5	3
Child day care services	—	—	4	7	—	—	6	6	3	4	—
Residential care	6	10	6	6	17	9	7	9	—	7	4
Social services, n.e.c.	—	—	5	5	—	5	5	—	—	3	4
Museums, botanical, zoological gardens	—	3	3	—	—	—	—	—	3	3	—
Museums and art galleries	—	—	—	—	—	—	—	—	3	—	—
Membership organizations	37	41	43	28	43	31	31	25	39	27	34
Business associations	4	7	3	—	—	—	—	—	—	—	—
Labor organizations	3	—	—	—	—	—	—	—	3	—	—
Civic and social associations	3	6	8	8	7	4	7	5	4	3	3
Political organizations	—	—	—	—	—	—	—	—	—	—	6
Religious organizations	25	26	27	18	29	25	20	19	27	21	22
Membership organizations, n.e.c.	—	—	—	—	—	—	—	—	—	—	3
Engineering and management services	53	45	71	57	51	42	37	39	46	36	39
Engineering and architectural services	24	21	35	29	25	21	16	16	24	21	15
Engineering services	19	14	22	24	15	7	11	10	9	12	10
Architectural services	—	—	—	3	—	5	—	—	4	—	—
Surveying services	3	3	10	—	7	9	3	4	11	8	3
Accounting, auditing, and bookkeeping	5	6	9	—	7	5	6	5	8	—	3
Research and testing services	14	10	11	14	12	7	7	10	7	4	13
Management and public relations	10	8	16	12	7	9	8	7	7	9	8
Private households	14	14	13	9	15	7	11	4	4	10	6
Services, n.e.c.	—	5	7	—	—	6	—	8	5	3	—
Government¹⁹	720	688	673	780	605	622	598	566	573	634	556
Federal government (including resident armed forces)	256	189	211	301	184	162	162	148	149	162	138
Agriculture, forestry and fishing	—	—	5	—	—	—	—	—	—	6	3
Forestry	—	—	4	—	—	—	—	—	—	6	3
Forestry services	—	—	4	—	—	—	—	—	—	5	3
Manufacturing	—	—	—	3	3	—	—	4	—	—	—
Transportation equipment	—	—	—	—	—	—	—	3	—	—	—
Ship and boat building and repairing	—	—	—	—	—	—	—	3	—	—	—

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Transportation and public utilities	20	17	11	18	15	14	25	17	17	17	21
Trucking and warehousing	3	—	—	—	—	—	—	—	—	—	—
U.S. Postal Service	14	14	11	16	14	14	17	17	14	15	19
Electric, gas, and sanitary services	—	—	—	—	—	—	6	—	—	—	—
Electric services	—	—	—	—	—	—	5	—	—	—	—
Services	8	5	8	5	4	—	—	5	8	4	4
Health services	3	4	4	3	3	—	—	—	—	—	—
Hospitals	3	4	4	3	—	—	—	—	—	—	—
General medical and surgical hospitals	—	3	4	3	—	—	—	—	—	—	—
Engineering and management services	—	—	—	—	—	—	—	—	6	—	—
Engineering and architectural services	—	—	—	—	—	—	—	—	6	—	—
Engineering services	—	—	—	—	—	—	—	—	6	—	—
Public administration	222	162	183	270	159	143	133	118	121	131	108
Executive, legislative, and general government	—	6	3	97	—	—	—	—	3	—	—
Justice, public order, and safety	4	7	12	4	9	3	7	4	—	7	8
Public order and safety	4	7	11	4	9	—	6	3	—	7	8
Police protection	3	7	7	—	5	—	5	—	—	5	3
Correctional institutions	—	—	—	—	4	—	—	—	—	—	—
Administration of human resources	—	—	—	—	—	3	—	7	—	3	—
Environmental quality and housing	8	3	27	8	7	20	14	5	11	—	3
Administration of economic programs	12	12	21	3	3	6	7	—	6	5	3
National security and international affairs	195	130	118	157	140	111	100	98	95	110	90
National security	194	130	117	156	139	109	97	97	94	110	90
State government	115	147	114	127	130	125	136	109	109	112	92
Agriculture, forestry and fishing	—	—	—	—	3	—	—	—	3	3	—
Construction	14	17	21	18	19	14	16	14	10	16	11
Heavy construction, except building	14	17	21	18	18	14	16	14	9	16	11
Highway and street construction	14	17	21	18	18	14	16	14	9	15	10
Transportation and public utilities	6	7	3	5	6	6	3	6	5	8	4
Electric, gas, and sanitary services	4	4	—	—	—	—	—	—	—	—	—
Services	24	31	22	25	29	26	27	23	20	18	22
Amusement and recreation services	—	—	—	—	—	3	—	—	—	—	—
Miscellaneous amusement, recreation services ..	—	—	—	—	—	3	—	—	—	—	—
Health services	6	7	—	4	—	—	5	—	3	—	4
Hospitals	4	4	—	—	—	—	4	—	—	—	3

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Educational services	11	18	17	18	21	19	15	14	15	14	14
Elementary and secondary schools	4	6	3	—	3	3	3	4	—	—	—
Colleges and universities	7	11	14	15	18	16	12	10	15	10	10
Social services	4	4	3	—	—	—	4	5	—	—	—
Individual and family services	—	3	—	—	—	—	—	—	—	—	—
Public administration	70	91	65	78	70	77	90	66	66	67	52
Executive, legislative, and general government	4	11	4	3	4	—	10	4	—	3	—
Justice, public order, and safety	27	37	31	43	28	43	34	36	31	33	24
Public order and safety	27	36	30	43	28	42	34	35	31	33	24
Police protection	18	23	14	28	17	26	20	20	18	23	12
Legal counsel and prosecution	—	—	—	3	—	—	—	—	—	—	—
Correctional institutions	6	12	11	8	7	11	12	12	7	7	12
Fire protection	—	—	—	—	—	—	—	—	4	—	—
Finance, taxation, and monetary policy	—	—	—	—	—	—	8	—	—	—	—
Administration of human resources	—	10	3	7	12	5	9	6	6	8	4
Environmental quality and housing	11	10	5	9	5	3	13	12	12	10	12
Administration of economic programs	25	21	22	16	20	21	15	8	15	13	10
Local government	341	345	338	341	289	331	296	303	311	335	314
Construction	30	21	27	24	29	15	17	21	18	22	15
Heavy construction, except building	30	19	25	23	28	14	17	18	17	20	13
Highway and street construction	24	17	20	19	20	13	16	14	15	19	12
Heavy construction, except highway	6	—	5	4	8	—	—	4	—	—	—
Water, sewer, and utility lines	—	—	—	—	4	—	—	—	—	—	—
Heavy construction, n.e.c.	4	—	—	—	3	—	—	—	—	—	—
Manufacturing	—	—	—	3	—	—	—	—	—	—	—
Transportation and public utilities	34	47	41	41	22	35	36	33	31	37	38
Local and interurban passenger transportation	9	15	8	11	—	7	6	9	3	8	7
Local and suburban transportation	7	15	7	10	—	6	6	7	3	7	6
Trucking and warehousing	3	—	—	—	—	—	—	—	—	—	—
Trucking and courier services, except air	3	—	—	—	—	—	—	—	—	—	—
Transportation by air	3	—	—	—	—	—	—	—	5	—	—
Airports, flying fields, and services	—	—	—	—	—	—	—	—	5	—	—
Electric, gas, and sanitary services	16	29	32	27	18	26	28	21	21	27	26
Electric services	—	8	4	3	4	4	4	6	3	4	3
Combination utility services	3	—	—	4	—	3	—	—	—	—	3
Water supply	—	3	8	6	3	9	7	3	3	7	9
Sanitary services	11	12	17	11	9	8	13	10	10	15	9
Sewerage systems	5	5	7	—	—	5	—	5	—	9	—

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Refuse systems	6	7	8	8	7	3	11	5	7	6	7
Irrigation systems	-	4	-	-	-	-	-	-	-	-	-
Finance, insurance, and real estate	-	-	-	-	-	4	-	-	-	-	-
Real estate	-	-	-	-	-	3	-	-	-	-	-
Real estate agents and managers	-	-	-	-	-	3	-	-	-	-	-
Services	53	62	34	44	45	54	42	48	57	59	49
Amusement and recreation services	7	7	5	-	-	4	3	-	6	5	6
Miscellaneous amusement, recreation services ..	7	7	5	-	-	4	3	-	6	4	6
Health services	4	7	-	8	9	6	4	9	3	5	6
Hospitals	-	3	-	7	4	4	-	6	-	3	4
General medical and surgical hospitals	-	-	-	7	4	-	-	6	-	3	4
Psychiatric hospitals	-	-	-	-	-	3	-	-	-	-	-
Home health care services	-	-	-	-	3	-	-	-	-	-	-
Educational services	32	43	20	28	28	38	32	34	34	39	29
Elementary and secondary schools	28	35	19	26	26	34	27	32	32	35	21
Colleges and universities	-	3	-	-	-	-	-	-	-	-	3
Social services	6	3	5	5	3	6	-	4	13	5	4
Individual and family services	6	-	-	4	-	4	-	3	9	5	3
Public administration	216	211	231	229	185	221	199	197	203	216	206
Executive, legislative, and general government	61	60	42	40	41	32	34	32	21	14	27
Executive offices	13	13	9	4	4	3	-	4	3	4	8
Legislative bodies	7	-	-	3	6	-	6	4	6	-	-
Executive and legislative combined	31	30	21	15	28	10	10	8	4	3	6
Justice, public order, and safety	131	130	161	167	121	166	152	144	160	174	159
Public order and safety	129	130	160	165	119	166	150	144	159	174	159
Police protection	102	88	117	110	76	114	102	91	112	121	108
Correctional institutions	3	3	-	7	-	-	3	-	6	-	-
Fire protection	23	35	38	41	39	50	42	50	39	44	46

See footnotes at end of table.

Fatal occupational injuries to all workers by selected characteristics: State of incident, employee status, sex, age, race, event or exposure, nature, source, secondary source, worker activity, location, occupation, and industry, 1992-2002 (revised final counts) — Continued

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹	2002
Industry¹⁷ - continued											
Administration of human resources	4	3	7	—	—	3	—	3	6	3	4
Environmental quality and housing	9	12	16	12	12	9	5	13	9	15	12
Administration of economic programs	8	5	5	8	10	11	7	4	5	10	—
National security and international affairs	3	—	—	—	—	—	—	—	—	—	—
National security	3	—	—	—	—	—	—	—	—	—	—

¹ Totals for 2001 exclude fatalities resulting from the September 11 terrorist attacks.

² May include volunteers and other workers receiving compensation.

³ Includes paid and unpaid family workers, and may include owners of incorporated businesses, or members of partnerships.

⁴ Persons identified as Hispanic may be of any race. The individual racial categories shown exclude data for Hispanics.

⁵ May include fatalities that occurred in structures that do not meet the definition of permit required confined spaces as defined by Occupational Safety and Health Administration regulations. Excludes fatalities from trench cave-ins and from being caught in collapsing materials.

⁶ The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For transportation incidents, the source identifies the vehicle in which the deceased was an occupant.

⁷ 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. The category "Robber" was instituted beginning with 1997 data, which was partial year reporting.

⁸ Includes walking, sitting, running, and climbing ladders or stairs.

⁹ The road construction location category was implemented in 1995.

¹⁰ Primarily includes outdoor areas such as bodies of water, woods, noncultivated fields, and parking lots.

¹¹ 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 Includes children's home, dormitory, hospital, jail, nursing home, and reform school.

¹⁵ Based on the 1990 Census Occupation Classification System.

¹⁶ Includes fatalities to persons identified as resident armed forces regardless of individual occupation listed.

¹⁷ Based on the 1987 Standard Industrial Classification (SIC) system.

¹⁸ 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.

¹⁹ Includes fatalities to workers employed by governmental organizations regardless of industry.

NOTE: Totals for all years include updated data. Totals for major categories may include subcategories not shown separately. 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