

TABLE A-8. Fatal occupational injuries by event or exposure and age, All U.S., 2011

Event or exposure <sup>1</sup>	Total fatal injuries (number)	Age								
		Under 16 years	16-17 years	18-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
Total	4693	10	13	61	292	714	875	1222	936	569
<b>Violence and other injuries by persons or animals</b>	791	2	2	10	41	149	175	209	139	64
Intentional injury by person	718	1	2	10	35	138	167	189	123	53
Intentional injury by other person	468	1	2	8	25	96	102	123	77	34
Shooting by other person--intentional	365	--	2	4	22	80	85	96	62	14
Stabbing, cutting, slashing, piercing	42	--	--	2	2	9	7	10	3	9
Hitting, kicking, beating, shoving	27	--	--	--	--	--	4	7	6	5
Strangulation by other person	6	1	--	--	--	--	--	3	--	1
Bombing, arson	--	--	--	--	--	--	--	--	--	1
Multiple violent acts by other person	10	--	--	--	--	1	--	4	3	2
Self-inflicted injury--intentional	250	--	--	--	10	42	65	66	46	19
Shooting--intentional self-harm	113	--	--	--	6	14	23	35	22	12
Hanging, strangulation, asphyxiation--intentional self-harm	86	--	--	1	4	17	29	17	14	4
Jumping from building or other structure--intentional self-harm	18	--	--	--	--	5	4	5	3	1
Cutting, stabbing--intentional self-harm	7	--	--	--	--	--	--	1	4	--
Drug overdose--intentional self-harm	7	--	--	--	--	--	4	--	--	--
Inhalation of substance--intentional self-harm	10	--	--	--	--	--	--	4	1	--
Injury by person--unintentional or intent unknown	36	--	--	--	4	7	7	8	7	3
Injury by other person--unintentional or intent unknown	16	--	--	--	--	4	3	--	4	--
Shooting by other person--unintentional	9	--	--	--	--	2	--	--	1	--
Injured by physical contact with other person in sporting event or physical training	1	--	--	--	--	1	--	--	--	--
Injured by physical contact with person while restraining, subduing--unintentional	4	--	--	--	--	--	1	--	3	--
Self-inflicted injury--unintentional or intent unknown	20	--	--	--	--	3	4	6	3	--

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Self-inflicted shooting--unintentional	7	--	--	--	1	--	--	1	3	--
Drug overdose--intent unknown	10	--	--	--	--	--	3	4	--	--
Animal and insect related incidents	37	1	--	--	--	4	1	12	9	8
Bites and stings	13	--	--	--	--	--	1	6	3	--
Stings and venomous bites	12	--	--	--	--	--	1	6	3	--
Struck by animal	23	1	--	--	--	--	--	6	6	6
Trampled by or stepped on by animal	8	--	--	--	--	--	--	1	--	3
Kicked by animal	4	1	--	--	--	--	--	--	1	--
Gored or rammed by animal	5	--	--	--	--	1	--	2	--	--
<b>Transportation incidents</b>	<b>1937</b>	<b>4</b>	<b>7</b>	<b>24</b>	<b>131</b>	<b>248</b>	<b>356</b>	<b>493</b>	<b>421</b>	<b>252</b>
Aircraft incidents	145	--	1	--	8	26	20	35	36	18
Aircraft crash during takeoff or landing	44	--	1	--	--	3	5	15	11	7
Aircraft crash during takeoff or landing--due to mechanical failure	15	--	--	--	1	2	2	6	2	2
Aircraft crash during takeoff or landing--with ground vehicle	--	--	--	--	--	1	--	--	--	--
Aircraft crash during takeoff or landing--into structure, object, or ground	27	--	1	--	--	--	3	9	9	4
Explosion or fire on aircraft	--	--	--	--	--	--	1	1	--	--
Aircraft crash due to low-altitude entanglement	5	--	--	--	--	1	--	--	--	--
Other in-flight crash	82	--	--	--	5	18	10	17	21	10
Other in-flight crash due to mechanical failure	7	--	--	--	1	--	1	--	--	--
Other in-flight crash between air vehicles	7	--	--	--	1	--	--	--	--	--
Other in-flight crash into structure, object, or ground	64	--	--	--	3	11	8	15	17	9
Parachuting incident	7	--	--	--	--	--	--	--	--	1
Rail vehicle incidents	50	--	--	--	--	6	11	16	13	4
Collision between rail vehicle and another vehicle	42	--	--	--	--	5	10	12	11	4
Collision between two rail vehicles	7	--	--	--	--	--	3	2	--	--

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		Under 16 years	16-17 years	18-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
Collision between rail and roadway vehicles	34	--	--	--	--	4	6	10	10	4
Pedestrian struck by rail vehicle--transportation incident	4	--	--	--	--	--	--	2	--	--
Animal and other non-motorized vehicle transportation incidents	29	1	--	2	4	4	6	--	4	5
Animal transportation incident	25	1	--	2	2	4	5	1	4	5
Animal transportation collision in nonroadway area	1	--	--	--	--	1	--	--	--	--
Thrown, fell, or jumped from animal being ridden	18	--	--	1	1	--	4	1	3	5
Thrown, tipped, or fell from animal-drawn vehicle	5	1	--	--	1	1	1	--	1	--
Pedal cycle incident	4	--	--	--	--	--	--	--	--	--
Pedal cycle collision in roadway	3	--	--	--	--	--	--	--	--	--
Pedestrian vehicular incident	316	--	1	7	19	40	53	95	73	27
Pedestrian struck by vehicle in work zone	63	--	--	--	3	12	13	22	11	1
Pedestrian struck by vehicle propelled by another vehicle in work zone	--	--	--	--	--	--	1	--	--	--
Pedestrian struck by forward-moving vehicle in work zone	40	--	--	--	3	10	9	12	5	--
Pedestrian struck by vehicle backing up in work zone	20	--	--	--	--	--	3	8	6	1
Pedestrian struck by vehicle in roadway	73	--	--	--	4	6	16	22	16	8
Pedestrian struck by vehicle propelled by another vehicle in roadway	9	--	--	--	--	1	--	4	2	--
Pedestrian struck by forward-moving vehicle in roadway	61	--	--	--	4	5	13	17	14	7
Pedestrian struck by vehicle backing up in roadway	1	--	--	--	--	--	1	--	--	--
Pedestrian struck by vehicle on side of road	50	--	--	1	--	10	8	14	9	6
Pedestrian struck by vehicle propelled by another vehicle on side of road	9	--	--	1	--	1	--	3	2	--
Pedestrian struck by forward-moving vehicle on side of road	37	--	--	--	--	9	7	9	6	6
Pedestrian struck by vehicle in nonroadway area	116	--	1	4	7	10	16	32	35	10
Pedestrian struck by vehicle propelled by another vehicle in nonroadway area	3	--	--	--	--	--	--	--	1	--
Pedestrian struck by forward-moving vehicle in nonroadway area	48	--	--	1	1	3	7	12	16	7

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Pedestrian struck by vehicle backing up in nonroadway area	58	--	1	3	6	6	8	19	13	--
Water vehicle incidents	72	--	--	1	9	12	13	17	10	8
Water vehicle collisions	8	--	--	--	--	--	--	3	--	--
Collision between water vehicles	5	--	--	--	--	--	--	--	--	--
Collision between water vehicle and object	3	--	--	--	--	--	--	--	--	--
Capsized or sinking water vehicle	21	--	--	1	4	6	6	--	--	--
Fall or jump from water vehicle	22	--	--	--	3	--	2	7	5	2
Machinery or equipment incident on water vehicle	4	--	--	--	--	--	--	--	--	--
Fall on water vehicle	6	--	--	--	--	--	--	4	1	--
Roadway incidents involving motorized land vehicle	1103	--	--	11	84	136	223	286	241	121
Roadway collision with other vehicle	525	--	--	7	35	68	109	134	109	63
Roadway collision--moving in same direction	150	--	--	--	7	22	32	39	34	14
Roadway collision--moving in opposite directions, oncoming	172	--	--	3	11	21	34	52	34	17
Roadway collision--moving perpendicularly	111	--	--	1	14	18	19	20	21	18
Roadway collision--moving and standing vehicle in roadway	63	--	--	--	3	6	16	13	12	13
Roadway collision--moving and standing vehicle on side of roadway	23	--	--	--	--	--	6	8	6	1
Roadway collision with object other than vehicle	313	--	--	--	18	34	67	94	70	28
Vehicle struck object or animal in roadway	15	--	--	--	--	4	1	4	4	2
Vehicle struck object or animal on side of roadway	292	--	--	--	16	30	64	89	66	25
Vehicle struck by falling or flying object--roadway	3	--	--	--	1	--	1	1	--	--
Roadway noncollision incident	262	--	--	--	31	34	47	57	60	30
Jack-knifed or overturned, roadway	208	--	--	--	23	27	41	46	49	20
Ran off roadway	23	--	--	--	5	--	3	--	7	3
Fall or jump from and struck by same vehicle in normal operation, roadway	12	--	--	--	--	1	--	4	--	3
Fall or jump from vehicle in normal operation, roadway	11	--	--	--	--	--	2	3	3	--

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		Under 16 years	16-17 years	18-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
Nonroadway incident involving motorized land vehicles	222	--	--	--	7	24	30	42	44	69
Nonroadway collision with other vehicle	8	--	--	--	--	3	1	--	--	--
Collision between a moving and standing vehicle, nonroadway	5	--	--	--	--	--	1	--	--	--
Nonroadway collision with object other than vehicle	42	--	--	--	--	4	9	10	6	11
Part of occupant's body caught between vehicle and other object in nonroadway transport incident	12	--	--	--	--	--	4	3	2	--
Nonroadway noncollision incident	169	--	1	--	6	16	19	30	37	56
Jack-knifed or overturned, nonroadway	113	--	--	--	3	11	15	22	19	41
Ran off driving surface, nonroadway	5	--	--	--	--	--	--	--	1	--
Fall or jump from and struck by same vehicle in normal operation, nonroadway	28	--	--	--	3	3	2	3	7	10
Fall or jump from vehicle in normal operation, nonroadway	10	--	--	--	--	1	--	--	3	4
Struck bump, hole, rough terrain on driving surface, nonroadway	3	--	1	--	--	--	--	--	--	--
<b>Fires and Explosions</b>	144	--	--	--	18	28	24	36	19	17
Fires	62	--	--	--	6	9	14	13	8	11
Collapsing building, structure, or structural element during fire	7	--	--	--	1	--	3	1	--	--
Other structural fire without collapse	17	--	--	--	--	3	6	5	2	--
Vehicle or machinery fire	7	--	--	--	--	3	1	--	--	2
Small-scale (limited) fire	--	--	--	--	--	--	--	--	--	1
Forest or brush fire	12	--	--	--	2	--	--	3	--	--
Ignition of vapors, gases, or liquids	16	--	--	--	--	2	1	4	--	4
Explosions	82	--	--	1	12	19	10	23	11	6
Dust explosion	7	--	--	--	--	--	--	--	--	--
Explosion of nonpressurized vapors, gases, or liquids	17	--	--	--	--	6	--	--	6	1
Explosion of pressure vessel, piping, or tire	35	--	--	1	--	7	7	10	5	3
Demolition or blasting explosion	1	--	--	--	--	1	--	--	--	--

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<b>Falls, slips, trips</b>	681	--	1	3	22	73	107	190	160	125
Falls on same level	111	--	--	--	--	5	4	21	34	46
Fall on same level due to tripping	13	--	--	--	--	--	--	--	--	9
Fall on same level due to tripping on uneven surface	2	--	--	--	--	--	--	1	--	1
Fall on same level due to tripping over an object	7	--	--	--	--	--	--	--	1	6
Fall on same level due to slipping	22	--	--	--	--	--	--	6	6	6
Fall while sitting	4	--	--	--	--	--	--	--	1	--
Falls to lower level	553	--	1	3	21	66	99	168	119	76
Fall from collapsing structure or equipment	38	--	--	--	5	5	8	12	6	--
Fall from collapsing structure or equipment less than 6 feet	--	--	--	--	--	--	--	1	--	--
Fall from collapsing structure or equipment 11 to 15 feet	4	--	--	--	--	--	--	--	--	1
Fall from collapsing structure or equipment 16 to 20 feet	9	--	--	--	1	--	--	4	1	--
Fall from collapsing structure or equipment 26 to 30 feet	5	--	--	--	--	--	--	--	--	--
Fall from collapsing structure or equipment more than 30 feet	15	--	--	--	4	3	2	4	--	--
Fall through surface or existing opening	60	--	--	--	3	3	18	21	11	3
Fall through surface or existing opening 6 to 10 feet	6	--	--	--	--	--	--	--	--	--
Fall through surface or existing opening 11 to 15 feet	9	--	--	--	--	--	--	--	3	--
Fall through surface or existing opening 16 to 20 feet	11	--	--	--	--	--	--	5	--	--
Fall through surface or existing opening 26 to 30 feet	9	--	--	--	--	--	5	--	--	--
Fall through surface or existing opening more than 30 feet	18	--	--	--	--	1	6	7	--	1
Other fall to lower level	441	--	1	--	13	58	69	132	98	68
Other fall to lower level less than 6 feet	52	--	--	--	--	3	6	15	14	14
Other fall to lower level 6 to 10 feet	56	--	--	--	--	4	4	22	12	12
Other fall to lower level 11 to 15 feet	65	--	--	--	1	7	11	13	23	10
Other fall to lower level 16 to 20 feet	46	--	--	--	--	7	11	15	8	5

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Other fall to lower level 21 to 25 feet	28	--	--	--	3	3	8	8	--	4
Other fall to lower level 26 to 30 feet	33	--	--	--	--	8	6	9	7	--
Other fall to lower level more than 30 feet	85	--	--	--	4	19	20	26	12	2
Jumps to lower level	3	--	--	--	--	--	--	--	3	--
<b>Exposure to harmful substances or environments</b>	419	3	--	9	30	104	102	102	53	14
Exposure to electricity	174	3	--	3	16	47	42	44	12	6
Direct exposure to electricity	95	2	--	1	8	23	25	21	9	5
Direct exposure to electricity, 220 volts or less	26	--	--	--	--	5	9	6	--	--
Direct exposure to electricity, greater than 220 volts	56	1	--	1	6	14	14	13	5	--
Indirect exposure to electricity	75	1	--	2	8	21	17	22	3	--
Indirect exposure to electricity, 220 volts or less	11	--	--	--	--	4	--	4	--	--
Indirect exposure to electricity, greater than 220 volts	62	--	--	2	7	17	15	18	--	--
Exposure to temperature extremes	63	--	--	3	4	15	18	12	9	--
Exposure to environmental heat	61	--	--	3	4	15	17	12	9	1
Exposure to environmental cold	--	--	--	--	--	--	1	--	--	--
Exposure to other harmful substances	144	--	--	3	7	33	28	39	29	4
Nonmedical use of drugs or alcohol--unintentional overdose	73	--	--	--	5	22	16	18	11	--
Inhalation of harmful substance	57	--	--	--	--	11	10	14	14	4
Inhalation of harmful substance--single episode	55	--	--	--	--	11	9	13	14	4
Exposure to harmful substance through skin, eyes, or other exposed tissue	9	--	--	--	--	--	--	4	3	--
Exposure through intact skin, eyes, or other exposed tissue	8	--	--	--	--	--	--	4	3	--
Exposure to other harmful substance--multiple routes of exposure	1	--	--	--	--	--	1	--	--	--
Exposure to oxygen deficiency, n.e.c.	35	--	--	--	3	8	13	6	3	--
Choking on object or substance	9	--	--	--	--	--	--	3	--	1
Depletion of oxygen	3	--	--	--	--	--	--	--	--	--

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<b>Contact with objects and equipment</b>	710	1	--	13	49	112	108	190	141	95
Struck by object or equipment	476	--	--	7	25	69	65	134	106	70
Struck by powered vehicle--nontransport	196	--	--	3	9	20	21	52	47	44
Caught between rolling powered vehicle and other object	37	--	--	--	--	5	5	14	9	--
Struck or run over by rolling powered vehicle	68	--	--	--	--	3	6	10	21	28
Struck by swinging part of powered vehicle	9	--	--	--	--	4	--	--	--	--
Struck by falling part of powered vehicle still attached	35	--	--	1	4	4	--	10	9	6
Struck by powered vehicle tipping over--nontransport	7	--	--	--	--	--	1	--	--	--
Struck by other falling powered vehicle	38	--	--	--	--	3	8	15	6	4
Struck by rolling object or equipment--other than powered vehicle	8	--	--	--	--	--	--	--	4	--
Struck by rolling object or equipment being pushed by injured worker	3	--	--	--	--	1	--	--	--	--
Struck by object or equipment rolling freely	4	--	--	--	--	--	--	--	--	--
Struck by falling object or equipment--other than powered vehicle	219	--	--	4	10	31	36	68	48	22
Struck by object or equipment dropped by injured worker	3	--	--	--	--	--	--	1	1	--
Struck by object falling from vehicle or machinery--other than vehicle part	55	--	--	--	3	5	10	19	11	7
Struck by discharged or flying object	24	--	--	--	4	6	3	5	4	--
Struck by dislodged flying object, particle	15	--	--	--	4	4	1	3	3	--
Struck by discharged object or substance	5	--	--	--	--	--	--	--	--	--
Injured by handheld object or equipment	6	--	--	--	--	1	--	4	1	--
Injured by slipping or swinging object held by injured worker	5	--	--	--	--	1	--	4	--	--
Struck by swinging or slipping object, other than handheld	18	--	--	--	--	9	3	--	--	--
Struck by or caught in swinging door or gate	3	--	--	--	--	--	--	--	--	--
Struck against object or equipment	5	--	--	--	--	1	--	--	--	--
Struck against stationary object or equipment	3	--	--	--	--	1	--	1	--	--
Struck against stationary object or equipment while rising	1	--	--	--	--	1	--	--	--	--



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Caught in or compressed by equipment or objects	145	1	--	4	17	26	29	32	22	14
Caught in running equipment or machinery	118	1	--	4	16	23	21	24	16	13
Caught in running equipment or machinery during maintenance, cleaning	62	1	--	1	8	13	10	13	10	6
Caught in running equipment or machinery during regular operation	45	--	--	--	7	8	9	9	5	5
Compressed or pinched by shifting objects or equipment	9	--	--	--	--	--	--	2	1	--
Entangled in other object or equipment	3	--	--	--	--	--	1	--	--	--
Struck, caught, or crushed in collapsing structure, equipment, or material	84	--	--	2	7	16	14	22	12	10
Excavation or trenching cave-in	19	--	--	1	--	3	4	7	--	--
Struck, caught, or crushed in other collapsing structure or equipment	47	--	--	--	2	12	7	10	9	6
Engulfment in other collapsing material	9	--	--	1	3	--	--	2	--	--
<b>Overexertion and bodily reaction</b>	7	--	--	--	--	--	--	--	--	--
Overexertion involving outside sources	5	--	--	--	--	--	--	--	--	--
Overexertion in lifting, lowering	5	--	--	--	--	--	--	--	--	--
Overexertion in lifting--single episode	4	--	--	--	--	--	--	--	--	--

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<sup>1</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

NOTE: Data for all years are revised and final. Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified". CFOI fatal injury counts exclude illness-related deaths unless precipitated by an injury event.

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, April 25, 2013.